

# Videocard Benchmarks

Over 1,000,000 Video Cards Benchmarked

## Video Card List

Below is an alphabetical list of all Video Card types that appear in the charts. Clicking on a specific Video Card will take you to the chart it appears in and will highlight it for you.

### Single Video Card

Find Videocard

| Videocard Name                              | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                |
|---|--------------------------------------|------------------------|------------------------------------|----------------------------|
| <a href="#">GeForce RTX 4090</a>            | 38575                                | 1                      | <a href="#">21.43</a>              | <a href="#">\$1,799.99</a> |
| <a href="#">GeForce RTX 4090 D</a>          | 37631                                | 2                      | NA                                 | NA                         |
| <a href="#">GeForce RTX 4080</a>            | 34615                                | 3                      | <a href="#">29.53</a>              | <a href="#">\$1,172.31</a> |
| <a href="#">RTX 5880 Ada Generation</a>     | 34568                                | 4                      | NA                                 | NA                         |
| <a href="#">GeForce RTX 4080 SUPER</a>      | 34164                                | 5                      | <a href="#">34.16</a>              | <a href="#">\$999.99</a>   |
| <a href="#">GeForce RTX 4070 Ti</a>         | 31796                                | 6                      | <a href="#">42.97</a>              | <a href="#">\$739.99</a>   |
| <a href="#">GeForce RTX 4070 Ti SUPER</a>   | 31668                                | 7                      | <a href="#">39.64</a>              | <a href="#">\$799.00</a>   |
| <a href="#">Radeon RX 7900 XTX</a>          | 30986                                | 8                      | <a href="#">37.79</a>              | <a href="#">\$819.99</a>   |
| <a href="#">GeForce RTX 4070 SUPER</a>      | 30187                                | 9                      | <a href="#">50.31</a>              | <a href="#">\$599.99</a>   |
| <a href="#">GeForce RTX 3090 Ti</a>         | 29700                                | 10                     | <a href="#">15.27</a>              | <a href="#">\$1,944.56</a> |
| <a href="#">Radeon PRO W7900</a>            | 29062                                | 11                     | NA                                 | NA                         |
| <a href="#">Radeon RX 7900 XT</a>           | 28737                                | 12                     | <a href="#">44.21</a>              | <a href="#">\$649.99</a>   |
| <a href="#">Radeon PRO W7800</a>            | 28601                                | 13                     | NA                                 | NA                         |
| <a href="#">Radeon RX 6950 XT</a>           | 28190                                | 14                     | <a href="#">28.19</a>              | <a href="#">\$999.99*</a>  |
| <a href="#">GeForce RTX 4090 Laptop GPU</a> | 27806                                | 15                     | NA                                 | NA                         |

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">RTX 6000 Ada Generation</a>            | 27645                                   | 17                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 3080 Ti</a>                | 27126                                   | 18                        | <a href="#">24.65</a>                 | <a href="#">\$1,100.65</a>  |
| <a href="#">GeForce RTX 4070</a>                   | 26961                                   | 19                        | <a href="#">49.93</a>                 | <a href="#">\$539.99</a>    |
| <a href="#">Radeon RX 6900 XT</a>                  | 26808                                   | 20                        | <a href="#">17.76</a>                 | <a href="#">\$1,509.67</a>  |
| <a href="#">Radeon RX 7900 GRE</a>                 | 26786                                   | 21                        | <a href="#">43.91</a>                 | <a href="#">\$609.99</a>    |
| <a href="#">GeForce RTX 3090</a>                   | 26746                                   | 22                        | <a href="#">15.00</a>                 | <a href="#">\$1,783.35</a>  |
| <a href="#">GeForce RTX 3080 12GB</a>              | 26675                                   | 23                        | NA                                    | NA                          |
| <a href="#">RTX 5000 Ada Generation</a>            | 26592                                   | 24                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 3080</a>                   | 25236                                   | 25                        | <a href="#">37.11</a>                 | <a href="#">\$679.99</a>    |
| <a href="#">GeForce RTX 4080 Laptop GPU</a>        | 25180                                   | 26                        | NA                                    | NA                          |
| <a href="#">RTX 4000 Ada Generation</a>            | 25172                                   | 27                        | NA                                    | NA                          |
| <a href="#">Radeon RX 6800 XT</a>                  | 25034                                   | 28                        | <a href="#">28.35</a>                 | <a href="#">\$882.96</a>    |
| <a href="#">Radeon RX 7800 XT</a>                  | 24209                                   | 29                        | <a href="#">53.80</a>                 | <a href="#">\$449.99</a>    |
| <a href="#">RTX 5000 Ada Generation Laptop GPU</a> | 23971                                   | 30                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 3070 Ti</a>                | 23590                                   | 31                        | <a href="#">36.23</a>                 | <a href="#">\$651.08</a>    |
| <a href="#">RTX 4000 Ada Generation Laptop GPU</a> | 22974                                   | 32                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 4060 Ti</a>                | 22891                                   | 33                        | <a href="#">61.04</a>                 | <a href="#">\$374.99</a>    |
| <a href="#">GeForce RTX 4060 Ti 16GB</a>           | 22854                                   | 34                        | <a href="#">53.15</a>                 | <a href="#">\$429.99</a>    |
| <a href="#">RTX A5000</a>                          | 22842                                   | 35                        | <a href="#">10.24</a>                 | <a href="#">\$2,229.99*</a> |
| <a href="#">RTX A6000</a>                          | 22548                                   | 36                        | <a href="#">5.49</a>                  | <a href="#">\$4,109.99*</a> |
| <a href="#">GeForce RTX 3070</a>                   | 22373                                   | 37                        | <a href="#">45.66</a>                 | <a href="#">\$489.99</a>    |
| <a href="#">Radeon RX 7900M</a>                    | 22365                                   | 38                        | NA                                    | NA                          |
| <a href="#">RTX A5500</a>                          | 22282                                   | 39                        | <a href="#">10.27</a>                 | <a href="#">\$2,169.99*</a> |
| <a href="#">Radeon RX 6800</a>                     | 22212                                   | 40                        | <a href="#">63.47</a>                 | <a href="#">\$349.99</a>    |
| <a href="#">Radeon RX 7700 XT</a>                  | 22207                                   | 41                        | <a href="#">63.45</a>                 | <a href="#">\$349.99</a>    |
| <a href="#">NVIDIA A10</a>                         | 22064                                   | 42                        | NA                                    | NA                          |
| <a href="#">GRID RTX6000-6Q</a>                    | 21986                                   | 43                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 2080 Ti</a>                | 21751                                   | 44                        | <a href="#">16.73</a>                 | <a href="#">\$1,299.99*</a> |
| <a href="#">RTX A4500</a>                          | 21705                                   | 45                        | <a href="#">13.30</a>                 | <a href="#">\$1,632.45</a>  |
| <a href="#">Radeon 610M Ryzen 9 7845HX</a>         | 21622                                   | 46                        | NA                                    | NA                          |
| <a href="#">RTX 4000 SFF Ada Generation</a>        | 20909                                   | 47                        | NA                                    | NA                          |
| <a href="#">Radeon RX 6750 XT</a>                  | 20787                                   | 48                        | <a href="#">69.29</a>                 | <a href="#">\$299.99</a>    |
| <a href="#">GeForce RTX 3060 Ti</a>                | 20506                                   | 49                        | <a href="#">60.32</a>                 | <a href="#">\$339.99</a>    |
| <a href="#">TITAN RTX</a>                          | 19945                                   | 50                        | <a href="#">7.98</a>                  | <a href="#">\$2,499.00*</a> |

 **Video Card** ▼

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Radeon PRO W7000</a>                   | 19007                                   | 51                        | <a href="#">10.75</a>                 | <a href="#">\$1,849.99</a>  |
| <a href="#">Radeon RX 6700 XT</a>                  | 19878                                   | 52                        | <a href="#">25.77</a>                 | <a href="#">\$771.42</a>    |
| <a href="#">GeForce RTX 4060</a>                   | 19874                                   | 53                        | <a href="#">67.37</a>                 | <a href="#">\$294.99</a>    |
| <a href="#">Quadro GV100</a>                       | 19824                                   | 54                        | <a href="#">2.20</a>                  | <a href="#">\$8,999.00*</a> |
| <a href="#">GeForce RTX 3080 Ti Laptop GPU</a>     | 19758                                   | 55                        | NA                                    | NA                          |
| <a href="#">TITAN V</a>                            | 19742                                   | 56                        | <a href="#">9.87</a>                  | <a href="#">\$1,999.99*</a> |
| <a href="#">GeForce RTX 2080 SUPER</a>             | 19578                                   | 57                        | <a href="#">28.59</a>                 | <a href="#">\$684.86*</a>   |
| <a href="#">GeForce RTX 4070 Laptop GPU</a>        | 19527                                   | 58                        | NA                                    | NA                          |
| <a href="#">RTX A4000</a>                          | 19405                                   | 59                        | <a href="#">25.87</a>                 | <a href="#">\$749.99*</a>   |
| <a href="#">Radeon RX 6700</a>                     | 19322                                   | 60                        | NA                                    | NA                          |
| <a href="#">Radeon RX 6750 GRE 12GB</a>            | 19296                                   | 61                        | NA                                    | NA                          |
| <a href="#">Quadro RTX 8000</a>                    | 19278                                   | 62                        | <a href="#">4.07</a>                  | <a href="#">\$4,741.49*</a> |
| <a href="#">Radeon PRO W7700</a>                   | 19227                                   | 63                        | NA                                    | NA                          |
| <a href="#">TITAN Xp COLLECTORS EDITION</a>        | 19105                                   | 64                        | NA                                    | NA                          |
| <a href="#">RTX 3500 Ada Generation Laptop GPU</a> | 18942                                   | 65                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 2080</a>                   | 18795                                   | 66                        | <a href="#">23.48</a>                 | <a href="#">\$800.61*</a>   |
| <a href="#">NVIDIA A10G</a>                        | 18773                                   | 67                        | NA                                    | NA                          |
| <a href="#">NVIDIA TITAN Xp</a>                    | 18733                                   | 68                        | <a href="#">11.39</a>                 | <a href="#">\$1,645.00*</a> |
| <a href="#">Quadro RTX 6000</a>                    | 18733                                   | 69                        | <a href="#">2.97</a>                  | <a href="#">\$6,300.00*</a> |
| <a href="#">GeForce GTX 1080 Ti</a>                | 18560                                   | 70                        | <a href="#">38.36</a>                 | <a href="#">\$483.82*</a>   |
| <a href="#">Radeon RX 6750 GRE 10GB</a>            | 18240                                   | 71                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 2070 SUPER</a>             | 18228                                   | 72                        | <a href="#">33.76</a>                 | <a href="#">\$539.99*</a>   |
| <a href="#">GeForce RTX 3070 Ti Laptop GPU</a>     | 17988                                   | 73                        | NA                                    | NA                          |
| <a href="#">RTX 2000 Ada Generation</a>            | 17691                                   | 74                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 4060 Laptop GPU</a>        | 17671                                   | 75                        | NA                                    | NA                          |
| <a href="#">RTX A4500 Laptop GPU</a>               | 17507                                   | 76                        | NA                                    | NA                          |
| <a href="#">Radeon RX 6850M XT</a>                 | 17473                                   | 77                        | NA                                    | NA                          |
| <a href="#">RTX A5500 Laptop GPU</a>               | 17353                                   | 78                        | NA                                    | NA                          |
| <a href="#">Radeon RX 7600 XT</a>                  | 17258                                   | 79                        | <a href="#">55.67</a>                 | <a href="#">\$309.99</a>    |
| <a href="#">Radeon RX 6650 XT</a>                  | 17235                                   | 80                        | <a href="#">82.08</a>                 | <a href="#">\$209.99</a>    |
| <a href="#">GeForce RTX 3060 12GB</a>              | 17004                                   | 81                        | <a href="#">60.73</a>                 | <a href="#">\$279.99</a>    |
| <a href="#">TITAN V CEO Edition</a>                | 16987                                   | 82                        | NA                                    | NA                          |
| <a href="#">Radeon VII</a>                         | 16679                                   | 83                        | <a href="#">8.78</a>                  | <a href="#">\$1,899.95*</a> |
| <a href="#">RTX 3000 Ada Generation Laptop GPU</a> | 16662                                   | 84                        | NA                                    | NA                          |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|  |       |    |                       |                           |
|--|-------|----|-----------------------|---------------------------|
| <a href="#">Radeon RX 5700 X1 50th Anniversary</a> | 16572 | 86 | NA                    | NA                        |
| <a href="#">GeForce RTX 2060 SUPER</a>             | 16539 | 87 | <a href="#">39.76</a> | <a href="#">\$415.98*</a> |
| <a href="#">Radeon RX 6600 XT</a>                  | 16514 | 88 | <a href="#">33.10</a> | <a href="#">\$499.00</a>  |
| <a href="#">Radeon RX 7600</a>                     | 16457 | 89 | <a href="#">65.83</a> | <a href="#">\$249.99</a>  |
| <a href="#">GeForce RTX 3080 Laptop GPU</a>        | 16445 | 90 | NA                    | NA                        |
| <a href="#">Quadro GP100</a>                       | 16374 | 91 | NA                    | NA                        |
| <a href="#">GeForce RTX 2070</a>                   | 16154 | 92 | <a href="#">41.48</a> | <a href="#">\$389.46*</a> |
| <a href="#">RTX A5000 Laptop GPU</a>               | 15997 | 93 | NA                    | NA                        |
| <a href="#">Quadro RTX 5000</a>                    | 15951 | 94 | NA                    | NA                        |
| <a href="#">GeForce RTX 2060 12GB</a>              | 15916 | 95 | NA                    | NA                        |
| <a href="#">Radeon PRO W6600</a>                   | 15601 | 96 | NA                    | NA                        |
| <a href="#">Radeon Pro Vega II</a>                 | 15596 | 97 | NA                    | NA                        |
| <a href="#">GeForce GTX 1080</a>                   | 15541 | 98 | <a href="#">35.10</a> | <a href="#">\$442.79*</a> |
| <a href="#">GeForce RTX 3070 Laptop GPU</a>        | 15476 | 99 | NA                    | NA                        |

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Radeon RX 6800S</a>                    | 15400                                   | 100                       | NA                                    | NA                          |
| <a href="#">Quadro RTX 4000</a>                    | 15381                                   | 101                       | <a href="#">17.11</a>                 | <a href="#">\$899.00*</a>   |
| <a href="#">GeForce RTX 3060 8GB</a>               | 15358                                   | 102                       | NA                                    | NA                          |
| <a href="#">RTX A4000 Laptop GPU</a>               | 15308                                   | 103                       | NA                                    | NA                          |
| <a href="#">Quadro P6000</a>                       | 15307                                   | 104                       | <a href="#">4.71</a>                  | <a href="#">\$3,250.00*</a> |
| <a href="#">RTX 2000 Ada Generation Laptop GPU</a> | 15296                                   | 105                       | NA                                    | NA                          |
| <a href="#">Radeon RX 6600</a>                     | 15142                                   | 106                       | <a href="#">75.72</a>                 | <a href="#">\$199.99</a>    |
| <a href="#">GeForce RTX 2080 (Mobile)</a>          | 15107                                   | 107                       | NA                                    | NA                          |
| <a href="#">Radeon RX 6650M</a>                    | 15084                                   | 108                       | NA                                    | NA                          |
| <a href="#">Radeon Pro W5700</a>                   | 15057                                   | 109                       | <a href="#">23.17</a>                 | <a href="#">\$649.99*</a>   |
| <a href="#">Radeon RX 7700S</a>                    | 15006                                   | 110                       | NA                                    | NA                          |
| <a href="#">Radeon RX 6700S</a>                    | 14953                                   | 111                       | <a href="#">49.85</a>                 | <a href="#">\$299.99</a>    |
| <a href="#">Quadro RTX 5000 (Mobile)</a>           | 14832                                   | 112                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1070 Ti</a>                | 14698                                   | 113                       | <a href="#">25.79</a>                 | <a href="#">\$569.99*</a>   |
| <a href="#">NVIDIA A40</a>                         | 14664                                   | 114                       | NA                                    | NA                          |
| <a href="#">Radeon RX 7600S</a>                    | 14564                                   | 115                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 4050 Laptop GPU</a>        | 14483                                   | 116                       | NA                                    | NA                          |
| <a href="#">Radeon RX 5700</a>                     | 14461                                   | 117                       | <a href="#">46.65</a>                 | <a href="#">\$309.99*</a>   |
| <a href="#">L40S</a>                               | 14397                                   | 118                       | NA                                    | NA                          |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">Radeon RX vega b4</a>                        | 14312                                   | 120                       | <a href="#">19.08</a>                 | <a href="#">\$749.99*</a>   |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Radeon PRO W7500</a>                         | 14225                                   | 121                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 2060</a>                         | 14150                                   | 122                       | <a href="#">34.60</a>                 | <a href="#">\$409.00</a>    |
| <a href="#">Radeon Pro Vega II Duo</a>                   | 14018                                   | 123                       | NA                                    | NA                          |
| <a href="#">RTX 1000 Ada Generation Laptop GPU</a>       | 13994                                   | 124                       | NA                                    | NA                          |
| <a href="#">Radeon PRO W7600</a>                         | 13949                                   | 125                       | NA                                    | NA                          |
| <a href="#">RadeonT RX 6850M XT</a>                      | 13847                                   | 126                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 2080 Super with Max-Q Design</a> | 13845                                   | 127                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 980 Ti</a>                       | 13807                                   | 128                       | <a href="#">21.42</a>                 | <a href="#">\$644.61*</a>   |
| <a href="#">Radeon RX 6600M</a>                          | 13783                                   | 129                       | <a href="#">68.92</a>                 | <a href="#">\$199.99*</a>   |
| <a href="#">GeForce RTX 2070 Super with Max-Q Design</a> | 13771                                   | 130                       | NA                                    | NA                          |
| <a href="#">RTX A2000</a>                                | 13756                                   | 131                       | <a href="#">31.67</a>                 | <a href="#">\$434.33*</a>   |
| <a href="#">Radeon Pro Vega 64X</a>                      | 13708                                   | 132                       | NA                                    | NA                          |
| <a href="#">RTX A2000 12GB</a>                           | 13705                                   | 133                       | NA                                    | NA                          |
| <a href="#">Radeon RX 6600S</a>                          | 13678                                   | 134                       | NA                                    | NA                          |
| <a href="#">NVIDIA TITAN X</a>                           | 13659                                   | 135                       | <a href="#">22.46</a>                 | <a href="#">\$608.10*</a>   |
| <a href="#">Radeon RX 5600 XT</a>                        | 13641                                   | 136                       | <a href="#">25.03</a>                 | <a href="#">\$545.00*</a>   |
| <a href="#">Radeon Pro WX 8200</a>                       | 13526                                   | 137                       | <a href="#">8.46</a>                  | <a href="#">\$1,599.39*</a> |
| <a href="#">GeForce GTX 1070</a>                         | 13501                                   | 138                       | <a href="#">25.48</a>                 | <a href="#">\$529.99*</a>   |
| <a href="#">Radeon RX 6700M</a>                          | 13489                                   | 139                       | <a href="#">49.96</a>                 | <a href="#">\$269.99*</a>   |
| <a href="#">Quadro RTX 5000 with Max-Q Design</a>        | 13475                                   | 140                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 3060 Laptop GPU</a>              | 13358                                   | 141                       | <a href="#">43.09</a>                 | <a href="#">\$309.99*</a>   |
| <a href="#">Radeon RX 6800M</a>                          | 13268                                   | 142                       | NA                                    | NA                          |
| <a href="#">Radeon RX Vega 56</a>                        | 13230                                   | 143                       | <a href="#">17.57</a>                 | <a href="#">\$752.99*</a>   |
| <a href="#">Radeon Vega Frontier Edition</a>             | 13225                                   | 144                       | <a href="#">7.87</a>                  | <a href="#">\$1,679.99*</a> |
| <a href="#">Radeon PRO W6600X</a>                        | 13113                                   | 145                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 2080 with Max-Q Design</a>       | 13091                                   | 146                       | <a href="#">6.23</a>                  | <a href="#">\$2,099.99*</a> |
| <a href="#">Intel Arc A770</a>                           | 12995                                   | 147                       | <a href="#">43.32</a>                 | <a href="#">\$299.99</a>    |
| <a href="#">Radeon RX 7600M XT</a>                       | 12979                                   | 148                       | NA                                    | NA                          |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">GeForce GTX TITAN X</a>                      | 12943                                   | 149                       | <a href="#">11.80</a>                 | <a href="#">\$1,096.99*</a> |
| <a href="#">Radeon Pro Vega 64</a>                       | 12920                                   | 150                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1660 Ti</a>                      | 12915                                   | 151                       | <a href="#">41.96</a>                 | <a href="#">\$307.79</a>    |
| <a href="#">GeForce RTX 3050 8GB</a>                     | 12807                                   | 152                       | <a href="#">69.24</a>                 | <a href="#">\$184.99</a>    |

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">GeForce GTX 1660 SUPER</a>             | 12753                                   | 154                       | <a href="#">55.94</a>                 | <a href="#">\$227.99</a>    |
| <a href="#">Tesla T10</a>                          | 12650                                   | 155                       | NA                                    | NA                          |
| <a href="#">Radeon Pro 5700 XT</a>                 | 12613                                   | 156                       | NA                                    | NA                          |
| <a href="#">Quadro P5000</a>                       | 12542                                   | 157                       | <a href="#">6.71</a>                  | <a href="#">\$1,868.99*</a> |
| <a href="#">Quadro P5200 with Max-Q Design</a>     | 12530                                   | 158                       | NA                                    | NA                          |
| <a href="#">RTX A3000 Laptop GPU</a>               | 12520                                   | 159                       | NA                                    | NA                          |
| <a href="#">Quadro RTX 4000 with Max-Q Design</a>  | 12487                                   | 160                       | NA                                    | NA                          |
| <a href="#">Radeon Pro WX 9100</a>                 | 12470                                   | 161                       | NA                                    | NA                          |
| <a href="#">Quadro RTX 4000 (Mobile)</a>           | 12368                                   | 162                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 2070 (Mobile)</a>          | 12354                                   | 163                       | NA                                    | NA                          |
| <a href="#">Radeon Pro Vega 56</a>                 | 12353                                   | 164                       | NA                                    | NA                          |
| <a href="#">Tesla V100-PCIE-16GB</a>               | 12328                                   | 165                       | NA                                    | NA                          |
| <a href="#">Radeon RX 6850M</a>                    | 12274                                   | 166                       | NA                                    | NA                          |
| <a href="#">Radeon Pro V520 MxGPU</a>              | 12257                                   | 167                       | NA                                    | NA                          |
| <a href="#">Quadro P5200</a>                       | 12238                                   | 168                       | NA                                    | NA                          |
| <a href="#">Tesla P40</a>                          | 12190                                   | 169                       | NA                                    | NA                          |
| <a href="#">Radeon RX 5600 OEM</a>                 | 12004                                   | 170                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 3050 OEM</a>               | 11974                                   | 171                       | <a href="#">68.44</a>                 | <a href="#">\$174.97*</a>   |
| <a href="#">Intel Arc A750</a>                     | 11914                                   | 172                       | <a href="#">66.19</a>                 | <a href="#">\$179.99</a>    |
| <a href="#">Quadro M6000 24GB</a>                  | 11882                                   | 173                       | NA                                    | NA                          |
| <a href="#">Radeon Pro 5700</a>                    | 11844                                   | 174                       | NA                                    | NA                          |
| <a href="#">Quadro M6000</a>                       | 11746                                   | 175                       | <a href="#">2.43</a>                  | <a href="#">\$4,827.53*</a> |
| <a href="#">GeForce RTX 2070 with Max-Q Design</a> | 11689                                   | 176                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1660</a>                   | 11680                                   | 177                       | <a href="#">44.83</a>                 | <a href="#">\$260.53</a>    |
| <a href="#">Quadro P4000</a>                       | 11631                                   | 178                       | <a href="#">20.91</a>                 | <a href="#">\$556.19*</a>   |
| <a href="#">Intel Arc A580</a>                     | 11612                                   | 179                       | <a href="#">64.52</a>                 | <a href="#">\$179.99</a>    |
| <a href="#">RTX 500 Ada Generation Laptop GPU</a>  | 11599                                   | 180                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1080 with Max-Q Design</a> | 11520                                   | 181                       | NA                                    | NA                          |
| <a href="#">Intel Arc A770M</a>                    | 11518                                   | 182                       | NA                                    | NA                          |
| <a href="#">Radeon RX 5600</a>                     | 11489                                   | 183                       | NA                                    | NA                          |
| <a href="#">RTX A1000</a>                          | 11486                                   | 184                       | NA                                    | NA                          |
| <a href="#">Quadro P4200 with Max-Q Design</a>     | 11446                                   | 185                       | NA                                    | NA                          |
| <a href="#">RTX A1000 Embedded GPU</a>             | 11368                                   | 186                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 2060 (Mobile)</a>          | 11354                                   | 187                       | NA                                    | NA                          |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
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 **Video Card** ▼

|   |       |     |                       |                             |
|---|-------|-----|-----------------------|-----------------------------|
| <a href="#">GeForce GTX 980</a>           | 11099 | 189 | <a href="#">44.87</a> | <a href="#">\$247.35</a>    |
| <a href="#">Quadro RTX 3000</a>           | 11078 | 190 | NA                    | NA                          |
| <a href="#">Radeon Pro SSG</a>            | 10971 | 191 | <a href="#">4.55</a>  | <a href="#">\$2,410.15*</a> |
| <a href="#">RTX A2000 8GB Laptop GPU</a>  | 10946 | 192 | NA                    | NA                          |
| <a href="#">RTX A4500 Embedded GPU</a>    | 10916 | 193 | NA                    | NA                          |
| <a href="#">Tesla T4</a>                  | 10744 | 194 | <a href="#">2.43</a>  | <a href="#">\$4,420.46*</a> |
| <a href="#">GeForce RTX 3050 6GB</a>      | 10621 | 195 | <a href="#">64.38</a> | <a href="#">\$164.99</a>    |
| <a href="#">Intel Arc A730M</a>           | 10487 | 196 | NA                    | NA                          |
| <a href="#">GeForce GTX 1070 (Mobile)</a> | 10465 | 197 | NA                    | NA                          |

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Tesla M40</a>                          | 10465                                   | 198                       | <a href="#">17.44</a>                 | <a href="#">\$600.00*</a> |
| <a href="#">Quadro P4200</a>                       | 10418                                   | 199                       | NA                                    | NA                        |
| <a href="#">Tesla M40 24GB</a>                     | 10417                                   | 200                       | NA                                    | NA                        |
| <a href="#">SuperDisplay Virtual Adapter</a>       | 10390                                   | 201                       | NA                                    | NA                        |
| <a href="#">GeForce RTX 3050 6GB Laptop GPU</a>    | 10314                                   | 202                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 1660 Ti (Mobile)</a>       | 10190                                   | 203                       | NA                                    | NA                        |
| <a href="#">RTX A1000 6GB Laptop GPU</a>           | 10172                                   | 204                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 1650 SUPER</a>             | 10161                                   | 205                       | <a href="#">45.76</a>                 | <a href="#">\$222.06*</a> |
| <a href="#">GeForce RTX 3050 Ti Laptop GPU</a>     | 10145                                   | 206                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 1060</a>                   | 10075                                   | 207                       | <a href="#">29.64</a>                 | <a href="#">\$339.99</a>  |
| <a href="#">RTX A2000 Laptop GPU</a>               | 9939                                    | 208                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 1070 with Max-Q Design</a> | 9929                                    | 209                       | NA                                    | NA                        |
| <a href="#">GRID P40-2B</a>                        | 9842                                    | 210                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 1060 3GB</a>               | 9761                                    | 211                       | <a href="#">41.46</a>                 | <a href="#">\$235.47*</a> |
| <a href="#">GeForce RTX 2060 with Max-Q Design</a> | 9756                                    | 212                       | NA                                    | NA                        |
| <a href="#">Radeon R9 Fury + Fury X</a>            | 9741                                    | 213                       | <a href="#">21.65</a>                 | <a href="#">\$449.99*</a> |
| <a href="#">GeForce GTX 970</a>                    | 9638                                    | 214                       | <a href="#">40.50</a>                 | <a href="#">\$237.99*</a> |
| <a href="#">Radeon R9 Fury X</a>                   | 9594                                    | 215                       | NA                                    | NA                        |
| <a href="#">Radeon R9 Fury</a>                     | 9593                                    | 216                       | <a href="#">21.65</a>                 | <a href="#">\$443.10*</a> |
| <a href="#">Radeon RX 6500 XT</a>                  | 9563                                    | 217                       | <a href="#">56.59</a>                 | <a href="#">\$169.00</a>  |
| <a href="#">Radeon PRO W6600M</a>                  | 9521                                    | 218                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 780 Ti</a>                 | 9516                                    | 219                       | <a href="#">27.99</a>                 | <a href="#">\$339.99*</a> |
| <a href="#">RTX A1000 Laptop GPU</a>               | 9500                                    | 220                       | NA                                    | NA                        |
| <a href="#">GeForce RTX 3050 Laptop GPU</a>        | 9462                                    | 221                       | <a href="#">35.05</a>                 | <a href="#">\$269.99*</a> |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">Radeon R9 390X</a>                        | 9417                                    | 223                       | NA                                    | NA                          |
|---|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Quadro M5000</a>                          | 9404                                    | 224                       | <a href="#">18.85</a>                 | <a href="#">\$499.00*</a>   |
| <a href="#">Radeon RX 590</a>                         | 9389                                    | 225                       | <a href="#">17.07</a>                 | <a href="#">\$549.99*</a>   |
| <a href="#">Quadro P3200 with Max-Q Design</a>        | 9327                                    | 226                       | NA                                    | NA                          |
| <a href="#">Quadro P2200</a>                          | 9318                                    | 227                       | <a href="#">20.27</a>                 | <a href="#">\$459.80*</a>   |
| <a href="#">Intel Arc Pro A60</a>                     | 9300                                    | 228                       | NA                                    | NA                          |
| <a href="#">Radeon Pro 5600M</a>                      | 9232                                    | 229                       | NA                                    | NA                          |
| <a href="#">Radeon RX 5500 XT</a>                     | 9140                                    | 230                       | <a href="#">50.42</a>                 | <a href="#">\$181.29*</a>   |
| <a href="#">Radeon Pro W5500</a>                      | 9117                                    | 231                       | <a href="#">22.24</a>                 | <a href="#">\$409.99*</a>   |
| <a href="#">GeForce GTX 1060 5GB</a>                  | 9085                                    | 232                       | <a href="#">18.62</a>                 | <a href="#">\$487.99*</a>   |
| <a href="#">Quadro P4000 with Max-Q Design</a>        | 9082                                    | 233                       | NA                                    | NA                          |
| <a href="#">GeForce GTX TITAN Black</a>               | 8971                                    | 234                       | <a href="#">7.27</a>                  | <a href="#">\$1,233.59</a>  |
| <a href="#">GeForce GTX TITAN Z</a>                   | 8941                                    | 235                       | <a href="#">5.90</a>                  | <a href="#">\$1,515.00*</a> |
| <a href="#">Radeon R9 390</a>                         | 8909                                    | 236                       | NA                                    | NA                          |
| <a href="#">Tesla P4</a>                              | 8880                                    | 237                       | NA                                    | NA                          |
| <a href="#">Radeon RX 580</a>                         | 8858                                    | 238                       | <a href="#">49.22</a>                 | <a href="#">\$179.99*</a>   |
| <a href="#">Quadro P3200</a>                          | 8850                                    | 239                       | <a href="#">22.73</a>                 | <a href="#">\$389.30*</a>   |
| <a href="#">Radeon RX 5500</a>                        | 8791                                    | 240                       | NA                                    | NA                          |
| <a href="#">Radeon RX 5600M</a>                       | 8744                                    | 241                       | NA                                    | NA                          |
| <a href="#">GRID P40-24Q</a>                          | 8719                                    | 242                       | NA                                    | NA                          |
| <a href="#">Radeon RX 480</a>                         | 8623                                    | 243                       | <a href="#">25.36</a>                 | <a href="#">\$339.99*</a>   |
| <a href="#">Radeon R9 290X</a>                        | 8622                                    | 244                       | NA                                    | NA                          |
| <a href="#">Radeon R9 295X2</a>                       | 8617                                    | 245                       | <a href="#">17.27</a>                 | <a href="#">\$499.10*</a>   |
| <a href="#">GeForce GTX 1660 Ti with Max-Q Design</a> | 8612                                    | 246                       | NA                                    | NA                          |
| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">Parsec Virtual Display Adapter</a>        | 8599                                    | 247                       | NA                                    | NA                          |
| <a href="#">Radeon RX590 GME</a>                      | 8568                                    | 248                       | NA                                    | NA                          |
| <a href="#">GRID RTX6000-1B</a>                       | 8473                                    | 249                       | NA                                    | NA                          |
| <a href="#">Radeon R9 290X / 390X</a>                 | 8389                                    | 250                       | <a href="#">26.22</a>                 | <a href="#">\$319.99*</a>   |
| <a href="#">Radeon Pro 5500 XT</a>                    | 8375                                    | 251                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 4600HS with Radeon Graphics</a>   | 8370                                    | 252                       | NA                                    | NA                          |
| <a href="#">Radeon R9 290</a>                         | 8297                                    | 253                       | NA                                    | NA                          |
| <a href="#">Quadro RTX 3000 with Max-Q Design</a>     | 8255                                    | 254                       | NA                                    | NA                          |
| <a href="#">GeForce GTX Titan</a>                     | 8189                                    | 255                       | <a href="#">10.99</a>                 | <a href="#">\$745.00*</a>   |



| Videocard Name                                      | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|---|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">GeForce GTX 1060 (Mobile)</a>           | 8160                                    | 257                       | NA                                    | NA                          |
| <a href="#">Radeon R9 290 / 390</a>                 | 8150                                    | 258                       | <a href="#">21.45</a>                 | <a href="#">\$380.00*</a>   |
| <a href="#">CMP 30HX</a>                            | 8135                                    | 259                       | NA                                    | NA                          |
| <a href="#">EIZO Quadro MED-XN72</a>                | 8100                                    | 260                       | NA                                    | NA                          |
| <a href="#">Quadro K6000</a>                        | 8067                                    | 261                       | <a href="#">38.30</a>                 | <a href="#">\$210.66*</a>   |
| <a href="#">Radeon PRO W6400</a>                    | 8033                                    | 262                       | NA                                    | NA                          |
| <a href="#">Ryzen 9 6900HS</a>                      | 8005                                    | 263                       | NA                                    | NA                          |
| <a href="#">Radeon RX 470/570</a>                   | 8004                                    | 264                       | <a href="#">20.58</a>                 | <a href="#">\$388.99*</a>   |
| <a href="#">GeForce GTX 780</a>                     | 8003                                    | 265                       | <a href="#">28.58</a>                 | <a href="#">\$279.99*</a>   |
| <a href="#">Quadro M5500</a>                        | 7915                                    | 266                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1060 with Max-Q Design</a>  | 7908                                    | 267                       | NA                                    | NA                          |
| <a href="#">Radeon 890M</a>                         | 7900                                    | 268                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1650</a>                    | 7875                                    | 269                       | <a href="#">55.12</a>                 | <a href="#">\$142.88</a>    |
| <a href="#">Radeon Pro WX 7100</a>                  | 7869                                    | 270                       | <a href="#">7.51</a>                  | <a href="#">\$1,047.99*</a> |
| <a href="#">T1200 Laptop GPU</a>                    | 7834                                    | 271                       | NA                                    | NA                          |
| <a href="#">Radeon RX 580X</a>                      | 7798                                    | 272                       | NA                                    | NA                          |
| <a href="#">Radeon RX 6500M</a>                     | 7789                                    | 273                       | NA                                    | NA                          |
| <a href="#">Radeon Pro 580</a>                      | 7753                                    | 274                       | NA                                    | NA                          |
| <a href="#">Radeon RX 6500</a>                      | 7723                                    | 275                       | NA                                    | NA                          |
| <a href="#">Radeon RX 580 2048SP</a>                | 7698                                    | 276                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 2050</a>                    | 7655                                    | 277                       | NA                                    | NA                          |
| <a href="#">T1000</a>                               | 7640                                    | 278                       | <a href="#">25.13</a>                 | <a href="#">\$303.99*</a>   |
| <a href="#">FirePro W9100</a>                       | 7580                                    | 279                       | <a href="#">4.38</a>                  | <a href="#">\$1,729.99*</a> |
| <a href="#">T1000 8GB</a>                           | 7576                                    | 280                       | NA                                    | NA                          |
| <a href="#">Radeon RX 6400</a>                      | 7574                                    | 281                       | <a href="#">47.64</a>                 | <a href="#">\$159.00</a>    |
| <a href="#">Radeon 880M</a>                         | 7565                                    | 282                       | NA                                    | NA                          |
| <a href="#">Radeon RX 5300</a>                      | 7561                                    | 283                       | NA                                    | NA                          |
| <a href="#">Tesla M60</a>                           | 7551                                    | 284                       | <a href="#">9.58</a>                  | <a href="#">\$787.90*</a>   |
| <a href="#">Radeon Pro 580X</a>                     | 7540                                    | 285                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1650 Ti</a>                 | 7539                                    | 286                       | NA                                    | NA                          |
| <a href="#">GRID P40-8Q</a>                         | 7432                                    | 287                       | NA                                    | NA                          |
| <a href="#">Ryzen 9 4900HS with Radeon Graphics</a> | 7418                                    | 288                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 980M</a>                    | 7355                                    | 289                       | <a href="#">25.36</a>                 | <a href="#">\$289.99*</a>   |
| <a href="#">Radeon Pro W5500X</a>                   | 7350                                    | 290                       | NA                                    | NA                          |

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| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------|--------------------------------------|------------------------|------------------------------------|-------------|
|----------------|--------------------------------------|------------------------|------------------------------------|-------------|

 **Video Card** ▼

| <a href="#">Radeon Ryzen 9 6900HS</a>                 | 7268                                 | 292                    | NA                                 | NA                          |
|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <a href="#">Tesla P100-PCIE-16GB</a>                  | 7225                                 | 293                    | <a href="#">1.27</a>               | <a href="#">\$5,699.00*</a> |
| <a href="#">Quadro T2000</a>                          | 7177                                 | 294                    | <a href="#">13.59</a>              | <a href="#">\$528.35*</a>   |
| <a href="#">Radeon Pro 5300</a>                       | 7143                                 | 295                    | NA                                 | NA                          |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <a href="#">RadeonT 780M</a>                          | 7095                                 | 296                    | NA                                 | NA                          |
| <a href="#">T600 Laptop GPU</a>                       | 7077                                 | 297                    | NA                                 | NA                          |
| <a href="#">Radeon 780M</a>                           | 7055                                 | 298                    | NA                                 | NA                          |
| <a href="#">A10-8Q</a>                                | 7041                                 | 299                    | NA                                 | NA                          |
| <a href="#">AMD Ryzen Z1 Extreme</a>                  | 7039                                 | 300                    | NA                                 | NA                          |
| <a href="#">Quadro M5000M</a>                         | 7020                                 | 301                    | <a href="#">12.84</a>              | <a href="#">\$546.92*</a>   |
| <a href="#">GeForce GTX 1650 (Mobile)</a>             | 6968                                 | 302                    | NA                                 | NA                          |
| <a href="#">Quadro P2000</a>                          | 6927                                 | 303                    | <a href="#">15.76</a>              | <a href="#">\$439.60*</a>   |
| <a href="#">Quadro T2000 with Max-Q Design</a>        | 6916                                 | 304                    | NA                                 | NA                          |
| <a href="#">GRID P4-4Q</a>                            | 6843                                 | 305                    | NA                                 | NA                          |
| <a href="#">GeForce RTX 3050 4GB Laptop GPU</a>       | 6780                                 | 306                    | NA                                 | NA                          |
| <a href="#">CMP 40HX</a>                              | 6778                                 | 307                    | NA                                 | NA                          |
| <a href="#">Radeon Pro 5500M</a>                      | 6771                                 | 308                    | NA                                 | NA                          |
| <a href="#">RTX A500 Laptop GPU</a>                   | 6739                                 | 309                    | NA                                 | NA                          |
| <a href="#">GRID P4-8Q</a>                            | 6733                                 | 310                    | NA                                 | NA                          |
| <a href="#">Radeon Pro WX 7130</a>                    | 6715                                 | 311                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 970XM FORCE</a>               | 6706                                 | 312                    | NA                                 | NA                          |
| <a href="#">Quadro T1000 with Max-Q Design</a>        | 6705                                 | 313                    | NA                                 | NA                          |
| <a href="#">Quadro M4000</a>                          | 6678                                 | 314                    | <a href="#">18.45</a>              | <a href="#">\$362.00*</a>   |
| <a href="#">Ryzen 7 6800HS with Radeon Graphics</a>   | 6677                                 | 315                    | NA                                 | NA                          |
| <a href="#">Radeon RX Vega M GH</a>                   | 6584                                 | 316                    | NA                                 | NA                          |
| <a href="#">Quadro P3000</a>                          | 6520                                 | 317                    | NA                                 | NA                          |
| <a href="#">T600</a>                                  | 6470                                 | 318                    | <a href="#">26.96</a>              | <a href="#">\$239.99*</a>   |
| <a href="#">P106-100</a>                              | 6463                                 | 320                    | NA                                 | NA                          |
| <a href="#">Quadro T1000</a>                          | 6463                                 | 319                    | <a href="#">17.47</a>              | <a href="#">\$369.99*</a>   |
| <a href="#">GeForce GTX 1650 Ti with Max-Q Design</a> | 6409                                 | 321                    | NA                                 | NA                          |
| <a href="#">Intel Arc A530M</a>                       | 6405                                 | 322                    | NA                                 | NA                          |
| <a href="#">Radeon Pro 570</a>                        | 6336                                 | 323                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 1050 Ti</a>                   | 6313                                 | 324                    | <a href="#">14.74</a>              | <a href="#">\$428.48</a>    |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
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|   |      |     |                       |                           |
|---|------|-----|-----------------------|---------------------------|
| <a href="#">Intel Arc A380</a>                      | 6216 | 326 | <a href="#">51.81</a> | <a href="#">\$119.99*</a> |
| <a href="#">Radeon Ryzen 7 6800HS</a>               | 6209 | 327 | NA                    | NA                        |
| <a href="#">Radeon R9 380X</a>                      | 6186 | 328 | <a href="#">17.68</a> | <a href="#">\$349.99*</a> |
| <a href="#">Radeon R9 280X</a>                      | 6182 | 329 | NA                    | NA                        |
| <a href="#">GeForce GTX 1650 with Max-Q Design</a>  | 6178 | 330 | NA                    | NA                        |
| <a href="#">Radeon 680M Ryzen 7 7735HS</a>          | 6166 | 331 | NA                    | NA                        |
| <a href="#">FirePro W9000</a>                       | 6138 | 332 | <a href="#">7.26</a>  | <a href="#">\$845.00*</a> |
| <a href="#">Radeon R9 380</a>                       | 6138 | 333 | <a href="#">68.21</a> | <a href="#">\$89.99*</a>  |
| <a href="#">Quadro M4000M</a>                       | 6102 | 334 | <a href="#">23.94</a> | <a href="#">\$254.91*</a> |
| <a href="#">Ryzen 9 6900HS with Radeon Graphics</a> | 6097 | 335 | NA                    | NA                        |
| <a href="#">Radeon Ryzen 9 PRO 6950H</a>            | 6089 | 336 | NA                    | NA                        |
| <a href="#">Quadro K5200</a>                        | 6081 | 337 | <a href="#">14.66</a> | <a href="#">\$415.00*</a> |
| <a href="#">GeForce GTX 960</a>                     | 6077 | 338 | <a href="#">35.34</a> | <a href="#">\$172.00*</a> |
| <a href="#">GeForce RTX 3050 A Laptop GPU</a>       | 6038 | 339 | NA                    | NA                        |
| <a href="#">GeForce MX570 A</a>                     | 5991 | 340 | NA                    | NA                        |
| <a href="#">Radeon Pro 5300M</a>                    | 5959 | 341 | NA                    | NA                        |
| <a href="#">GRID P100-16Q</a>                       | 5944 | 342 | NA                    | NA                        |
| <a href="#">GeForce GTX 770</a>                     | 5921 | 343 | <a href="#">23.78</a> | <a href="#">\$249.00*</a> |
| <a href="#">GeForce GTX 1050 Ti (Mobile)</a>        | 5918 | 344 | NA                    | NA                        |

| Videocard Name                               | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Tesla K80</a>                    | 5852                                    | 345                       | <a href="#">9.85</a>                  | <a href="#">\$593.95*</a> |
| <a href="#">Matrox LUMA A380P</a>            | 5805                                    | 346                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 7736U</a>         | 5791                                    | 347                       | NA                                    | NA                        |
| <a href="#">Radeon 760M</a>                  | 5781                                    | 348                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 PRO 6850H</a>     | 5763                                    | 349                       | NA                                    | NA                        |
| <a href="#">Ryzen 9 PRO 6950H</a>            | 5758                                    | 350                       | NA                                    | NA                        |
| <a href="#">GeForce MX570</a>                | 5728                                    | 351                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 970M</a>             | 5719                                    | 352                       | <a href="#">27.24</a>                 | <a href="#">\$209.99*</a> |
| <a href="#">Radeon PRO Ryzen 7 PRO 6850U</a> | 5708                                    | 353                       | NA                                    | NA                        |
| <a href="#">GRID T4-8Q</a>                   | 5680                                    | 354                       | NA                                    | NA                        |
| <a href="#">RadeonT 680M Ryzen 7 7735HS</a>  | 5650                                    | 355                       | NA                                    | NA                        |
| <a href="#">Radeon TM</a>                    | 5638                                    | 356                       | NA                                    | NA                        |
| <a href="#">Quadro M3000M</a>                | 5593                                    | 357                       | <a href="#">34.97</a>                 | <a href="#">\$159.95*</a> |
| <a href="#">Ryzen 7 PRO 6850U</a>            | 5580                                    | 358                       | NA                                    | NA                        |

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 7990</a>                        | 5555                                    | 360                       | <a href="#">13.91</a>                 | <a href="#">\$399.99*</a> |
| <a href="#">Radeon Pro WX 5100</a>                    | 5565                                    | 361                       | <a href="#">15.46</a>                 | <a href="#">\$359.99*</a> |
| <a href="#">GeForce GTX 680</a>                       | 5562                                    | 362                       | <a href="#">13.94</a>                 | <a href="#">\$399.00*</a> |
| <a href="#">GeForce GTX 690</a>                       | 5561                                    | 363                       | <a href="#">19.79</a>                 | <a href="#">\$280.99*</a> |
| <a href="#">Radeon R9 280</a>                         | 5556                                    | 364                       | NA                                    | NA                        |
| <a href="#">Radeon R9 285 / 380</a>                   | 5549                                    | 365                       | <a href="#">11.44</a>                 | <a href="#">\$485.00*</a> |
| <a href="#">Radeon RX 5500M</a>                       | 5541                                    | 366                       | NA                                    | NA                        |
| <a href="#">GRID M60-8A</a>                           | 5523                                    | 367                       | NA                                    | NA                        |
| <a href="#">Intel Arc A310</a>                        | 5496                                    | 368                       | <a href="#">49.97</a>                 | <a href="#">\$109.99</a>  |
| <a href="#">Radeon PRO W6300</a>                      | 5482                                    | 369                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 6800HS Creator Edition</a> | 5460                                    | 370                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 6800H</a>                  | 5442                                    | 371                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 760 Ti OEM</a>                | 5427                                    | 372                       | NA                                    | NA                        |
| <a href="#">Radeon RX 6300</a>                        | 5418                                    | 373                       | NA                                    | NA                        |
| <a href="#">Ryzen 9 6900HX with Radeon Graphics</a>   | 5392                                    | 374                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 6800HS Creator Edition</a>        | 5382                                    | 375                       | NA                                    | NA                        |
| <a href="#">GRID P40-4Q</a>                           | 5364                                    | 376                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 1050 Ti with Max-Q Design</a> | 5349                                    | 377                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 7735HS</a>                 | 5344                                    | 378                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 950</a>                       | 5335                                    | 379                       | <a href="#">37.58</a>                 | <a href="#">\$141.99*</a> |
| <a href="#">GeForce GTX 670</a>                       | 5328                                    | 380                       | <a href="#">27.47</a>                 | <a href="#">\$193.98*</a> |
| <a href="#">Radeon Pro Vega 20</a>                    | 5299                                    | 381                       | NA                                    | NA                        |
| <a href="#">Quadro P2000 with Max-Q Design</a>        | 5285                                    | 382                       | NA                                    | NA                        |
| <a href="#">FirePro W7100</a>                         | 5264                                    | 383                       | <a href="#">13.52</a>                 | <a href="#">\$389.30*</a> |
| <a href="#">Radeon HD 7970 / R9 280X</a>              | 5247                                    | 384                       | <a href="#">21.25</a>                 | <a href="#">\$246.99*</a> |
| <a href="#">Ryzen 7 6800H</a>                         | 5247                                    | 385                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 760 Ti</a>                    | 5240                                    | 386                       | <a href="#">17.62</a>                 | <a href="#">\$297.50*</a> |
| <a href="#">Ryzen 7 6800HS</a>                        | 5237                                    | 387                       | NA                                    | NA                        |
| <a href="#">Intel Arc Pro</a>                         | 5236                                    | 388                       | NA                                    | NA                        |
| <a href="#">A16</a>                                   | 5235                                    | 389                       | NA                                    | NA                        |
| <a href="#">Intel Arc</a>                             | 5217                                    | 390                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 7735U with Radeon Graphics</a>    | 5215                                    | 391                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8990</a>                        | 5214                                    | 392                       | NA                                    | NA                        |
| <a href="#">GRID M60-2Q</a>                           | 5203                                    | 393                       | NA                                    | NA                        |

 **Video Card** ▼

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Radeon Ryzen 7 7735U</a>                   | 5200                                    | 394                       | NA                                    | NA                          |
| <a href="#">Intel Arc 140V GPU</a>                     | 5194                                    | 396                       | NA                                    | NA                          |
| <a href="#">Radeon R9 M395X</a>                        | 5194                                    | 395                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 7 7735H</a>                   | 5190                                    | 397                       | NA                                    | NA                          |
| <a href="#">Q12U-1</a>                                 | 5164                                    | 398                       | NA                                    | NA                          |
| <a href="#">Radeon R9 M295X</a>                        | 5150                                    | 399                       | <a href="#">3.55</a>                  | <a href="#">\$1,449.00*</a> |
| <a href="#">Radeon Ryzen 7 PRO 6850U</a>               | 5146                                    | 400                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 7 PRO 6850HS</a>              | 5138                                    | 401                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 7735HS with Radeon Graphics</a>    | 5127                                    | 402                       | NA                                    | NA                          |
| <a href="#">Intel Arc A370M</a>                        | 5115                                    | 404                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 PRO 6850U with Radeon Graphics</a> | 5115                                    | 403                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1050 3GB</a>                   | 5109                                    | 405                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 PRO 6860Z</a>                      | 5076                                    | 406                       | NA                                    | NA                          |
| <a href="#">FirePro S9000</a>                          | 5059                                    | 407                       | NA                                    | NA                          |
| <a href="#">EIZO Quadro MED-XN51LP</a>                 | 5048                                    | 408                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1050</a>                       | 5038                                    | 409                       | <a href="#">21.08</a>                 | <a href="#">\$239.00*</a>   |
| <a href="#">Ryzen 7 6800U</a>                          | 5006                                    | 410                       | NA                                    | NA                          |
| <a href="#">Radeon Instinct MI25 MxGPU</a>             | 4978                                    | 411                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1630</a>                       | 4976                                    | 412                       | <a href="#">26.19</a>                 | <a href="#">\$189.99*</a>   |
| <a href="#">Barco MXRT 7600</a>                        | 4943                                    | 413                       | <a href="#">8.20</a>                  | <a href="#">\$602.59*</a>   |
| <a href="#">Radeon R9 M395</a>                         | 4911                                    | 414                       | NA                                    | NA                          |
| <a href="#">FirePro S9050</a>                          | 4901                                    | 415                       | NA                                    | NA                          |
| <a href="#">Radeon R9 270X</a>                         | 4869                                    | 416                       | <a href="#">14.91</a>                 | <a href="#">\$326.50*</a>   |
| <a href="#">Ryzen 7 PRO 6860Z with Radeon Graphics</a> | 4869                                    | 417                       | NA                                    | NA                          |
| <a href="#">GRID P40-2Q</a>                            | 4843                                    | 418                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 6800U with Radeon Graphics</a>     | 4829                                    | 419                       | NA                                    | NA                          |
| <a href="#">T550 Laptop GPU</a>                        | 4828                                    | 420                       | NA                                    | NA                          |
| <a href="#">Radeon Pro Vega 16</a>                     | 4809                                    | 421                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 6800H with Radeon Graphics</a>     | 4801                                    | 422                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 760</a>                        | 4793                                    | 423                       | <a href="#">32.17</a>                 | <a href="#">\$149.00*</a>   |
| <a href="#">GRID RTX6000P-6Q</a>                       | 4777                                    | 424                       | NA                                    | NA                          |
| <a href="#">Radeon Eng Sample: 100-000000560-40_Y</a>  | 4772                                    | 425                       | NA                                    | NA                          |
| <a href="#">FirePro S10000</a>                         | 4768                                    | 426                       | NA                                    | NA                          |
| <a href="#">Radeon HD 7950 / R9 280</a>                | 4764                                    | 427                       | <a href="#">19.78</a>                 | <a href="#">\$240.83*</a>   |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|   |      |     |                       |                           |
|---|------|-----|-----------------------|---------------------------|
| <a href="#">Radeon Sky 300</a>                          | 4709 | 429 | NA                    | NA                        |
| <a href="#">Ryzen 9 PRO 6950HS with Radeon Graphics</a> | 4704 | 430 | NA                    | NA                        |
| <a href="#">Radeon Pro WX Vega M GL</a>                 | 4643 | 431 | NA                    | NA                        |
| <a href="#">Radeon HD 7870</a>                          | 4634 | 432 | <a href="#">26.33</a> | <a href="#">\$176.00*</a> |
| <a href="#">Radeon Ryzen 7 PRO 6860Z</a>                | 4594 | 433 | NA                    | NA                        |
| <a href="#">GeForce GTX 580</a>                         | 4588 | 434 | <a href="#">10.34</a> | <a href="#">\$443.70</a>  |
| <a href="#">Radeon Ryzen 7 6800U</a>                    | 4578 | 435 | NA                    | NA                        |
| <a href="#">GeForce MX550</a>                           | 4558 | 436 | NA                    | NA                        |
| <a href="#">B8DKMDAP</a>                                | 4557 | 437 | NA                    | NA                        |
| <a href="#">Radeon Pro 465</a>                          | 4537 | 438 | NA                    | NA                        |
| <a href="#">FirePro S7000</a>                           | 4523 | 439 | <a href="#">18.35</a> | <a href="#">\$246.54*</a> |
| <a href="#">Radeon R7 370</a>                           | 4511 | 440 | NA                    | NA                        |
| <a href="#">Tesla K40c</a>                              | 4494 | 441 | NA                    | NA                        |
| <a href="#">Radeon HD 7870 XT</a>                       | 4469 | 442 | NA                    | NA                        |

| Videocard Name                            | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce GTX 1050 (Mobile)</a> | 4461                                    | 443                       | NA                                    | NA                        |
| <a href="#">Quadro P1000</a>              | 4458                                    | 444                       | <a href="#">15.38</a>                 | <a href="#">\$289.99*</a> |
| <a href="#">GRID M60-1B</a>               | 4456                                    | 445                       | NA                                    | NA                        |
| <a href="#">Intel Arc A310 LP</a>         | 4436                                    | 446                       | NA                                    | NA                        |
| <a href="#">Tesla K20m</a>                | 4432                                    | 447                       | NA                                    | NA                        |
| <a href="#">GRID P6-4Q</a>                | 4429                                    | 448                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 660 Ti</a>        | 4428                                    | 449                       | <a href="#">30.76</a>                 | <a href="#">\$144.00*</a> |
| <a href="#">Radeon Ryzen 7 Pro 7735U</a>  | 4364                                    | 450                       | NA                                    | NA                        |
| <a href="#">FirePro W7000 Adapter</a>     | 4359                                    | 451                       | NA                                    | NA                        |
| <a href="#">GRID GTX P40-6</a>            | 4340                                    | 452                       | NA                                    | NA                        |
| <a href="#">Quadro K4200</a>              | 4324                                    | 453                       | <a href="#">17.37</a>                 | <a href="#">\$249.00*</a> |
| <a href="#">Radeon RX 5300M</a>           | 4307                                    | 454                       | NA                                    | NA                        |
| <a href="#">Radeon R9 270</a>             | 4306                                    | 455                       | NA                                    | NA                        |
| <a href="#">FirePro W7000</a>             | 4288                                    | 456                       | <a href="#">15.42</a>                 | <a href="#">\$278.05*</a> |
| <a href="#">Radeon R9 270 / R7 370</a>    | 4259                                    | 457                       | <a href="#">19.98</a>                 | <a href="#">\$213.16*</a> |
| <a href="#">Quadro M2200</a>              | 4253                                    | 458                       | <a href="#">17.01</a>                 | <a href="#">\$249.99*</a> |
| <a href="#">Radeon Ryzen 9 PRO 6950HS</a> | 4250                                    | 459                       | NA                                    | NA                        |
| <a href="#">NVIDIA A40-8Q</a>             | 4220                                    | 460                       | NA                                    | NA                        |
| <a href="#">A16-4Q</a>                    | 4165                                    | 461                       | NA                                    | NA                        |

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">FirePro V8000</a>                           | 4148                                    | 463                       | <a href="#">1.24</a>                  | <a href="#">\$573.00*</a> |
| <a href="#">GeForce GTX 680MX</a>                       | 4138                                    | 464                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 480</a>                         | 4106                                    | 465                       | <a href="#">24.16</a>                 | <a href="#">\$169.99*</a> |
| <a href="#">Radeon RX 460</a>                           | 4102                                    | 466                       | <a href="#">24.60</a>                 | <a href="#">\$166.81*</a> |
| <a href="#">GeForce GTX 1050 with Max-Q Design</a>      | 4069                                    | 467                       | NA                                    | NA                        |
| <a href="#">Radeon PRO Ryzen 5 PRO 6650U</a>            | 4066                                    | 468                       | NA                                    | NA                        |
| <a href="#">RadeonT 660M Ryzen 5 7535HS</a>             | 4051                                    | 469                       | NA                                    | NA                        |
| <a href="#">Radeon Eng Sample: 100-000000561-40_Y</a>   | 4041                                    | 470                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7800-serie</a>                    | 4029                                    | 471                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 9 7950X 16-Core</a>            | 4017                                    | 472                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 660</a>                         | 4000                                    | 473                       | <a href="#">23.82</a>                 | <a href="#">\$167.95*</a> |
| <a href="#">Quadro M2000</a>                            | 3996                                    | 474                       | <a href="#">15.12</a>                 | <a href="#">\$264.24*</a> |
| <a href="#">Quadro K5000</a>                            | 3992                                    | 475                       | <a href="#">16.03</a>                 | <a href="#">\$249.00*</a> |
| <a href="#">GRID P6-2Q</a>                              | 3925                                    | 476                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 570</a>                         | 3924                                    | 477                       | <a href="#">26.16</a>                 | <a href="#">\$149.99*</a> |
| <a href="#">GeForce GTX 750 Ti</a>                      | 3901                                    | 478                       | <a href="#">44.28</a>                 | <a href="#">\$88.11*</a>  |
| <a href="#">GRID M60-8Q</a>                             | 3883                                    | 479                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8970M</a>                         | 3876                                    | 480                       | <a href="#">27.69</a>                 | <a href="#">\$139.99*</a> |
| <a href="#">Matrox LUMA A310F</a>                       | 3873                                    | 481                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7850</a>                          | 3862                                    | 482                       | <a href="#">22.89</a>                 | <a href="#">\$168.76</a>  |
| <a href="#">GeForce GTX 780M</a>                        | 3854                                    | 483                       | <a href="#">7.72</a>                  | <a href="#">\$499.00*</a> |
| <a href="#">GRID M60-4Q</a>                             | 3831                                    | 484                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 880M</a>                        | 3817                                    | 485                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 965M</a>                        | 3793                                    | 486                       | NA                                    | NA                        |
| <a href="#">Radeon RX Vega M GL</a>                     | 3763                                    | 487                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 6600HS Creator Edition</a>   | 3754                                    | 488                       | NA                                    | NA                        |
| <a href="#">Barco MXRT 7500</a>                         | 3753                                    | 489                       | <a href="#">12.55</a>                 | <a href="#">\$299.00*</a> |
| <a href="#">T400 4GB</a>                                | 3751                                    | 490                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 PRO 6850HS with Radeon Graphics</a> | 3736                                    | 491                       | NA                                    | NA                        |
| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">GeForce MX450</a>                           | 3730                                    | 492                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 6600H</a>                    | 3706                                    | 493                       | NA                                    | NA                        |
| <a href="#">GRID M60-1Q</a>                             | 3694                                    | 494                       | NA                                    | NA                        |
| <a href="#">P104-100</a>                                | 3694                                    | 495                       | <a href="#">12.32</a>                 | <a href="#">\$299.99*</a> |



## Video Card ▼

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon Pro 560X</a>                        | 3677                                    | 497                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 PRO 6650U</a>               | 3676                                    | 498                       | NA                                    | NA                        |
| <a href="#">T500</a>                                   | 3675                                    | 499                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 6600HS Creator Edition</a>         | 3671                                    | 500                       | NA                                    | NA                        |
| <a href="#">Radeon R9 M485X</a>                        | 3660                                    | 501                       | NA                                    | NA                        |
| <a href="#">Quadro P620</a>                            | 3643                                    | 502                       | <a href="#">6.34</a>                  | <a href="#">\$574.55*</a> |
| <a href="#">Radeon RX 560</a>                          | 3643                                    | 503                       | <a href="#">20.26</a>                 | <a href="#">\$179.87</a>  |
| <a href="#">Radeon Pro WX 4100</a>                     | 3641                                    | 504                       | <a href="#">7.28</a>                  | <a href="#">\$499.99*</a> |
| <a href="#">GeForce GTX 775M</a>                       | 3634                                    | 505                       | NA                                    | NA                        |
| <a href="#">T400</a>                                   | 3631                                    | 506                       | <a href="#">27.56</a>                 | <a href="#">\$131.74</a>  |
| <a href="#">Radeon R9 M390X</a>                        | 3597                                    | 508                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 4800HS</a>                  | 3597                                    | 507                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 680M KY Bullet Edition</a>     | 3568                                    | 509                       | NA                                    | NA                        |
| <a href="#">GRID M6-8Q</a>                             | 3568                                    | 510                       | NA                                    | NA                        |
| <a href="#">RTX A400</a>                               | 3564                                    | 511                       | NA                                    | NA                        |
| <a href="#">Quadro K2200</a>                           | 3553                                    | 512                       | <a href="#">13.25</a>                 | <a href="#">\$268.30*</a> |
| <a href="#">Radeon 660M Ryzen 5 7535HS</a>             | 3546                                    | 513                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7970M</a>                        | 3529                                    | 514                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 7535U with Radeon Graphics</a>     | 3529                                    | 515                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 6600H with Radeon Graphics</a>     | 3525                                    | 516                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 PRO 6650U</a>                      | 3519                                    | 517                       | NA                                    | NA                        |
| <a href="#">GRID K520</a>                              | 3516                                    | 518                       | <a href="#">23.44</a>                 | <a href="#">\$149.99*</a> |
| <a href="#">Ryzen 5 PRO 6650U with Radeon Graphics</a> | 3515                                    | 519                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 4800H</a>                   | 3512                                    | 520                       | NA                                    | NA                        |
| <a href="#">Quadro 7000</a>                            | 3505                                    | 521                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 7535HS</a>                  | 3496                                    | 522                       | NA                                    | NA                        |
| <a href="#">Radeon Eng_Sample: 100-000000261-50_Y</a>  | 3490                                    | 523                       | NA                                    | NA                        |
| <a href="#">Radeon Pro 560</a>                         | 3475                                    | 524                       | NA                                    | NA                        |
| <a href="#">Quadro K2200M</a>                          | 3468                                    | 525                       | <a href="#">27.76</a>                 | <a href="#">\$124.95*</a> |
| <a href="#">Quadro M2000M</a>                          | 3461                                    | 526                       | <a href="#">16.24</a>                 | <a href="#">\$213.16*</a> |
| <a href="#">Radeon Pro 460</a>                         | 3452                                    | 527                       | NA                                    | NA                        |
| <a href="#">GRID T4-2Q</a>                             | 3450                                    | 528                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 870M</a>                       | 3449                                    | 529                       | NA                                    | NA                        |
| <a href="#">Tesla C2050 / C2070</a>                    | 3428                                    | 530                       | NA                                    | NA                        |

 **Video Card** ▼



| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|                                      |      |     |                       |                             |
|--------------------------------------|------|-----|-----------------------|-----------------------------|
| <a href="#">Radeon Ryzen 5 6600U</a> | 3404 | 532 | NA                    | NA                          |
| <a href="#">Custom GPU 0932</a>      | 3395 | 533 | NA                    | NA                          |
| <a href="#">GeForce GTX 960M</a>     | 3380 | 534 | <a href="#">2.89</a>  | <a href="#">\$1,169.00*</a> |
| <a href="#">NVIDIA A40-12Q</a>       | 3370 | 535 | NA                    | NA                          |
| <a href="#">Radeon E8870PCIe</a>     | 3368 | 537 | NA                    | NA                          |
| <a href="#">Radeon HD8970M</a>       | 3368 | 536 | NA                    | NA                          |
| <a href="#">GeForce GTX 960A</a>     | 3355 | 538 | NA                    | NA                          |
| <a href="#">GRID M10-1Q</a>          | 3351 | 539 | NA                    | NA                          |
| <a href="#">GeForce GTX 750</a>      | 3349 | 540 | <a href="#">24.93</a> | <a href="#">\$134.36*</a>   |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">GeForce GTX 650 Ti BOOST</a>                           | 3343                                    | 541                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 590</a>                                    | 3341                                    | 542                       | <a href="#">7.68</a>                  | <a href="#">\$435.00*</a>   |
| <a href="#">Snapdragon X Elite - X1E001DE - Qualcomm Adreno GP</a> | 3331                                    | 543                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 5 7535U</a>                               | 3320                                    | 544                       | NA                                    | NA                          |
| <a href="#">GRID T4-1Q</a>   | 3302                                    | 545                       | NA                                    | NA                          |
| <a href="#">Quadro P600</a>  | 3299                                    | 546                       | <a href="#">15.67</a>                 | <a href="#">\$210.58*</a>   |
| <a href="#">Radeon Ryzen 5 Pro 7535U</a>                           | 3288                                    | 547                       | NA                                    | NA                          |
| <a href="#">Tesla K40m</a>   | 3281                                    | 548                       | NA                                    | NA                          |
| <a href="#">GRID P100-8Q</a>                                       | 3267                                    | 549                       | NA                                    | NA                          |
| <a href="#">Radeon R9 M290X</a>                                    | 3262                                    | 550                       | NA                                    | NA                          |
| <a href="#">GRID T4-4Q</a>   | 3260                                    | 551                       | NA                                    | NA                          |
| <a href="#">GeForce 770M</a>                                       | 3245                                    | 552                       | <a href="#">18.34</a>                 | <a href="#">\$176.99*</a>   |
| <a href="#">Radeon R9 M470X</a>                                    | 3244                                    | 553                       | NA                                    | NA                          |
| <a href="#">Quadro M1200</a>                                       | 3235                                    | 554                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 6600U with Radeon Graphics</a>                 | 3233                                    | 555                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 680M</a>                                   | 3228                                    | 556                       | <a href="#">23.74</a>                 | <a href="#">\$135.99*</a>   |
| <a href="#">FirePro S7150</a>                                      | 3207                                    | 557                       | <a href="#">1.89</a>                  | <a href="#">\$1,697.99*</a> |
| <a href="#">GRID P4-8A</a>   | 3206                                    | 558                       | NA                                    | NA                          |
| <a href="#">Radeon RX 560X</a>                                     | 3196                                    | 559                       | NA                                    | NA                          |
| <a href="#">Radeon R7 260X</a>                                     | 3189                                    | 560                       | <a href="#">22.78</a>                 | <a href="#">\$139.99*</a>   |
| <a href="#">Radeon 740M</a>  | 3183                                    | 561                       | NA                                    | NA                          |
| <a href="#">Radeon R9 260</a>                                      | 3181                                    | 562                       | NA                                    | NA                          |
| <a href="#">Tesla C2050</a>  | 3175                                    | 563                       | <a href="#">11.76</a>                 | <a href="#">\$269.99*</a>   |
| <a href="#">Tesla M10</a>  | 3171                                    | 564                       | <a href="#">1.18</a>                  | <a href="#">\$2,695.00*</a> |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">FirePro W717UM</a>                                     | 3161                                    | 566                       | NA                                    | NA                          |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Quadro K5100M</a>                                      | 3144                                    | 567                       | <a href="#">2.84</a>                  | <a href="#">\$1,108.84*</a> |
| <a href="#">Radeon Pro 555</a>                                     | 3140                                    | 568                       | <a href="#">2.99</a>                  | <a href="#">\$1,049.00*</a> |
| <a href="#">Intel Graphics</a>                                     | 3136                                    | 569                       | NA                                    | NA                          |
| <a href="#">Radeon Pro 455</a>                                     | 3112                                    | 570                       | <a href="#">6.93</a>                  | <a href="#">\$449.00*</a>   |
| <a href="#">GeForce GTX 470</a>                                    | 3106                                    | 571                       | <a href="#">51.79</a>                 | <a href="#">\$59.99*</a>    |
| <a href="#">Radeon R7 360</a>                                      | 3105                                    | 572                       | <a href="#">21.27</a>                 | <a href="#">\$145.99*</a>   |
| <a href="#">Radeon HD 7790</a>                                     | 3090                                    | 573                       | <a href="#">22.07</a>                 | <a href="#">\$139.99*</a>   |
| <a href="#">GeForce GTX 560 Ti</a>                                 | 3049                                    | 574                       | <a href="#">23.46</a>                 | <a href="#">\$129.99*</a>   |
| <a href="#">GeForce GTX 860M</a>                                   | 3048                                    | 575                       | <a href="#">26.74</a>                 | <a href="#">\$114.00*</a>   |
| <a href="#">Radeon R9 360</a>                                      | 3031                                    | 576                       | <a href="#">22.64</a>                 | <a href="#">\$133.89*</a>   |
| <a href="#">Tesla C2075</a>  | 3016                                    | 577                       | <a href="#">4.67</a>                  | <a href="#">\$646.00*</a>   |
| <a href="#">Radeon HD 6990</a>                                     | 3013                                    | 578                       | <a href="#">6.04</a>                  | <a href="#">\$498.49*</a>   |
| <a href="#">FirePro W5100</a>                                      | 2988                                    | 579                       | <a href="#">23.72</a>                 | <a href="#">\$125.99*</a>   |
| <a href="#">GRID M10-4Q</a>  | 2976                                    | 580                       | NA                                    | NA                          |
| <a href="#">FirePro W5000</a>                                      | 2975                                    | 581                       | <a href="#">16.17</a>                 | <a href="#">\$184.00*</a>   |
| <a href="#">Snapdragon X Elite - X1E84100 - Qualcomm Adreno GP</a> | 2971                                    | 582                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 9 5900H</a>                               | 2960                                    | 583                       | NA                                    | NA                          |
| <a href="#">GRID K260Q</a>   | 2949                                    | 584                       | NA                                    | NA                          |
| <a href="#">Quadro K1200</a>                                       | 2938                                    | 585                       | <a href="#">10.30</a>                 | <a href="#">\$285.29*</a>   |
| <a href="#">Ryzen 7 5800HS with Radeon Graphics</a>                | 2917                                    | 587                       | NA                                    | NA                          |
| <a href="#">Tesla K20Xm</a>  | 2917                                    | 586                       | <a href="#">0.38</a>                  | <a href="#">\$7,699.00*</a> |
| <a href="#">Radeon R7 260</a>                                      | 2891                                    | 588                       | <a href="#">32.13</a>                 | <a href="#">\$89.99*</a>    |
| <a href="#">Ryzen 9 5900HX with Radeon Graphics</a>                | 2888                                    | 589                       | NA                                    | NA                          |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">FirePro M6100 FireGL V</a>                             | 2874                                    | 590                       | NA                                    | NA                          |
| <a href="#">Eng Sample: 100-000000261-50_Y</a>                     | 2859                                    | 591                       | NA                                    | NA                          |
| <a href="#">Quadro M1000M</a>                                      | 2859                                    | 592                       | <a href="#">33.25</a>                 | <a href="#">\$85.99*</a>    |
| <a href="#">Radeon Pro V340 MxGPU</a>                              | 2853                                    | 593                       | NA                                    | NA                          |
| <a href="#">Custom GPU 0405</a>                                    | 2852                                    | 594                       | NA                                    | NA                          |
| <a href="#">GRID K280Q</a>   | 2839                                    | 596                       | NA                                    | NA                          |
| <a href="#">Tesla C2070</a>  | 2839                                    | 595                       | <a href="#">4.70</a>                  | <a href="#">\$604.00*</a>   |
| <a href="#">Radeon HD 6970</a>                                     | 2831                                    | 597                       | <a href="#">18.88</a>                 | <a href="#">\$149.99*</a>   |
| <a href="#">Radeon Ryzen 7 5800H</a>                               | 2826                                    | 598                       | NA                                    | NA                          |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">FirePro 3D V9800</a>                       | 2811                                    | 600                       | <a href="#">1.13</a>                  | <a href="#">\$2,499.00*</a> |
| <a href="#">GeForce MX350</a>                          | 2810                                    | 601                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 5700G with Radeon Graphics</a>     | 2795                                    | 602                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 770M</a>                       | 2791                                    | 604                       | <a href="#">20.23</a>                 | <a href="#">\$138.00*</a>   |
| <a href="#">Quadro M620</a>                            | 2791                                    | 603                       | NA                                    | NA                          |
| <a href="#">Quadro K5000M</a>                          | 2778                                    | 605                       | <a href="#">5.46</a>                  | <a href="#">\$508.91*</a>   |
| <a href="#">Ryzen 7 5700GE with Radeon Graphics</a>    | 2771                                    | 606                       | NA                                    | NA                          |
| <a href="#">Radeon HD 8950</a>                         | 2768                                    | 607                       | NA                                    | NA                          |
| <a href="#">Radeon R9 M380</a>                         | 2762                                    | 608                       | NA                                    | NA                          |
| <a href="#">Quadro K4100M</a>                          | 2753                                    | 609                       | <a href="#">10.54</a>                 | <a href="#">\$261.29*</a>   |
| <a href="#">GeForce GTX 560</a>                        | 2748                                    | 610                       | <a href="#">13.41</a>                 | <a href="#">\$205.00*</a>   |
| <a href="#">Radeon RX 550</a>                          | 2742                                    | 611                       | <a href="#">15.03</a>                 | <a href="#">\$182.49</a>    |
| <a href="#">Ryzen 7 5800H with Radeon Graphics</a>     | 2740                                    | 612                       | NA                                    | NA                          |
| <a href="#">GRID K2</a>                                | 2736                                    | 613                       | <a href="#">2.05</a>                  | <a href="#">\$1,331.97*</a> |
| <a href="#">FirePro V9800</a>                          | 2726                                    | 614                       | <a href="#">5.75</a>                  | <a href="#">\$474.00*</a>   |
| <a href="#">Radeon Pro 450</a>                         | 2722                                    | 615                       | NA                                    | NA                          |
| <a href="#">Quadro K4000</a>                           | 2718                                    | 616                       | <a href="#">10.07</a>                 | <a href="#">\$270.00*</a>   |
| <a href="#">GeForce GTX 675MX</a>                      | 2716                                    | 617                       | NA                                    | NA                          |
| <a href="#">Radeon Eng_Sample: 100-000000300-30_Y</a>  | 2716                                    | 618                       | NA                                    | NA                          |
| <a href="#">Quadro 6000</a>                            | 2709                                    | 619                       | <a href="#">0.66</a>                  | <a href="#">\$4,092.38*</a> |
| <a href="#">Qualcomm Adreno X1-85 GPU</a>              | 2707                                    | 620                       | NA                                    | NA                          |
| <a href="#">Barco MXRT 5500</a>                        | 2701                                    | 621                       | <a href="#">9.04</a>                  | <a href="#">\$299.00*</a>   |
| <a href="#">GRID M10-2Q</a>                            | 2691                                    | 622                       | NA                                    | NA                          |
| <a href="#">Intel Iris Xe</a>                          | 2682                                    | 623                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 Pro 4750G with Radeon Graphics</a> | 2681                                    | 624                       | NA                                    | NA                          |
| <a href="#">Radeon Eng_Sample: 100-000000300-40_Y</a>  | 2670                                    | 625                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 5 5500GT</a>                  | 2666                                    | 626                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 465</a>                        | 2656                                    | 627                       | <a href="#">13.63</a>                 | <a href="#">\$195.00*</a>   |
| <a href="#">Radeon Ryzen 5 5600GT</a>                  | 2655                                    | 628                       | NA                                    | NA                          |
| <a href="#">FirePro R5000</a>                          | 2646                                    | 629                       | <a href="#">24.06</a>                 | <a href="#">\$109.99*</a>   |
| <a href="#">MONSTER GeForce GTX 675M</a>               | 2637                                    | 630                       | NA                                    | NA                          |
| <a href="#">A40-24Q</a>                                | 2616                                    | 632                       | NA                                    | NA                          |
| <a href="#">Radeon HD 6950</a>                         | 2616                                    | 631                       | <a href="#">18.69</a>                 | <a href="#">\$139.99*</a>   |
| <a href="#">Radeon Pro WX 4150</a>                     | 2615                                    | 633                       | <a href="#">4.29</a>                  | <a href="#">\$610.04*</a>   |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">Radeon Ryzen 7 4700GE</a>                              | 2610                                    | 635                       | NA                                    | NA                        |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Snapdragon X Elite - X1E80100 - Qualcomm Adreno GP</a> | 2606                                    | 636                       | NA                                    | NA                        |
| <a href="#">GRID T4-2B</a>   | 2601                                    | 638                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 5600GE with Radeon Graphics</a>                | 2601                                    | 637                       | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon Ryzen 7 PRO 4750G</a>                           | 2596                                    | 639                       | NA                                    | NA                        |
| <a href="#">Radeon Eng Sample: 100-000000371-40_42/18_Y</a>        | 2590                                    | 640                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 950M</a>                                   | 2587                                    | 641                       | <a href="#">4.56</a>                  | <a href="#">\$567.00*</a> |
| <a href="#">Ryzen 5 5600G with Radeon Graphics</a>                 | 2582                                    | 642                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 5600GE</a>                              | 2572                                    | 643                       | NA                                    | NA                        |
| <a href="#">Snapdragon X Plus - X1P64100 - Qualcomm Adreno GPU</a> | 2569                                    | 644                       | NA                                    | NA                        |
| <a href="#">Snapdragon X Elite - X1E78100 - Qualcomm Adreno GP</a> | 2564                                    | 645                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 9 4900H</a>                               | 2555                                    | 646                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 950A</a>                                   | 2554                                    | 647                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 9 7900X 12-Core</a>                       | 2553                                    | 648                       | NA                                    | NA                        |
| <a href="#">Radeon Pro WX 3100</a>                                 | 2549                                    | 650                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 PRO 4750GE with Radeon Graphics</a>            | 2549                                    | 649                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 PRO 7730U with Radeon Graphics</a>             | 2549                                    | 651                       | NA                                    | NA                        |
| <a href="#">GRID K240Q</a>   | 2541                                    | 652                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6850 X2</a>                                  | 2534                                    | 653                       | NA                                    | NA                        |
| <a href="#">FireStream 9370</a>                                    | 2528                                    | 654                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 650 Ti</a>                                 | 2525                                    | 655                       | <a href="#">27.14</a>                 | <a href="#">\$93.05*</a>  |
| <a href="#">N18E-Q1</a>  | 2525                                    | 656                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 PRO 5750GE with Radeon Graphics</a>            | 2521                                    | 657                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 850M</a>                                   | 2515                                    | 658                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 5800HS</a>                              | 2508                                    | 659                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 PRO 5650G with Radeon Graphics</a>             | 2500                                    | 660                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 4700GE with Radeon Graphics</a>                | 2496                                    | 661                       | NA                                    | NA                        |
| <a href="#">Radeon Pro</a>   | 2475                                    | 662                       | <a href="#">5.77</a>                  | <a href="#">\$429.00</a>  |
| <a href="#">Ryzen 7 7730U with Radeon Graphics</a>                 | 2470                                    | 663                       | NA                                    | NA                        |
| <a href="#">Barco MXRT 5600</a>                                    | 2465                                    | 664                       | <a href="#">3.50</a>                  | <a href="#">\$704.00*</a> |
| <a href="#">GeForce GT 1030</a>                                    | 2460                                    | 665                       | <a href="#">22.37</a>                 | <a href="#">\$109.97</a>  |
| <a href="#">Radeon Ryzen 7 7730U</a>                               | 2457                                    | 666                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 PRO 5750G with Radeon Graphics</a>             | 2440                                    | 667                       | NA                                    | NA                        |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|   |      |     |                       |                          |
|---|------|-----|-----------------------|--------------------------|
| <a href="#">Radeon Pro WX 3200</a>                      | 2437 | 669 | <a href="#">15.39</a> | <a href="#">\$158.35</a> |
| <a href="#">Ryzen 5 PRO 5650GE with Radeon Graphics</a> | 2435 | 670 | NA                    | NA                       |
| <a href="#">GeForce MX330</a>                           | 2434 | 671 | NA                    | NA                       |
| <a href="#">Radeon Ryzen 5 PRO 5655GE</a>               | 2428 | 672 | NA                    | NA                       |
| <a href="#">GeForce MX250</a>                           | 2416 | 673 | NA                    | NA                       |
| <a href="#">Radeon Eng Sample: 100-000000262-30_Y</a>   | 2415 | 674 | NA                    | NA                       |
| <a href="#">Radeon Ryzen 7 5800U</a>                    | 2409 | 675 | NA                    | NA                       |
| <a href="#">Radeon RX Vega 11 PRD</a>                   | 2401 | 676 | NA                    | NA                       |
| <a href="#">Radeon Ryzen 5 5600H</a>                    | 2397 | 678 | NA                    | NA                       |
| <a href="#">Ryzen 5 Pro 4650G with Radeon Graphics</a>  | 2397 | 677 | NA                    | NA                       |
| <a href="#">Radeon Ryzen 7 5825U</a>                    | 2385 | 679 | NA                    | NA                       |
| <a href="#">Ryzen 5 4600G with Radeon Graphics</a>      | 2376 | 680 | NA                    | NA                       |
| <a href="#">Radeon Ryzen 5 PRO 4655G</a>                | 2375 | 681 | NA                    | NA                       |
| <a href="#">Radeon Ryzen 7 PRO 4750GE</a>               | 2367 | 682 | NA                    | NA                       |
| <a href="#">Citrix Indirect Display Adapter</a>         | 2365 | 683 | NA                    | NA                       |
| <a href="#">GRID M10-2B</a>                             | 2363 | 685 | NA                    | NA                       |
| <a href="#">Radeon Ryzen 5 PRO 5650GE</a>               | 2363 | 684 | NA                    | NA                       |
| <a href="#">Radeon Ryzen 5 PRO 4655GE</a>               | 2361 | 687 | NA                    | NA                       |
| <a href="#">Ryzen 7 5800U with Radeon Graphics</a>      | 2361 | 686 | NA                    | NA                       |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|--|---|---------------------------|---------------------------------------|----------------|
| <a href="#">GeForce GTX 485M</a>                       | 2359                                    | 688                       | NA                                    | NA             |
| <a href="#">FirePro W6150M</a>                         | 2358                                    | 689                       | NA                                    | NA             |
| <a href="#">Radeon Vega 11 Ryzen 5 PRO 3350G</a>       | 2349                                    | 690                       | NA                                    | NA             |
| <a href="#">Ryzen 7 4800U with Radeon Graphics</a>     | 2343                                    | 691                       | NA                                    | NA             |
| <a href="#">P106-090</a>                               | 2342                                    | 692                       | NA                                    | NA             |
| <a href="#">Ryzen 7 5825U with Radeon Graphics</a>     | 2342                                    | 693                       | NA                                    | NA             |
| <a href="#">Ryzen 5 5600H with Radeon Graphics</a>     | 2336                                    | 694                       | NA                                    | NA             |
| <a href="#">Radeon RX Vega Ryzen 3 5300U</a>           | 2334                                    | 695                       | NA                                    | NA             |
| <a href="#">Radeon R9 M470</a>                         | 2330                                    | 696                       | NA                                    | NA             |
| <a href="#">Ryzen 3 PRO 5350G with Radeon Graphics</a> | 2329                                    | 697                       | NA                                    | NA             |
| <a href="#">Radeon Ryzen 7 PRO 7730U</a>               | 2318                                    | 698                       | NA                                    | NA             |
| <a href="#">Radeon Ryzen 7 4800U</a>                   | 2314                                    | 699                       | NA                                    | NA             |
| <a href="#">Radeon RX Vega - Renoir Ryzen 3 5300U</a>  | 2312                                    | 700                       | NA                                    | NA             |
| <a href="#">GRID M10-1B</a>                            | 2309                                    | 701                       | NA                                    | NA             |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Ryzen 5 PRO 4400G with Radeon Graphics</a>   | 2305                                    | 703                       | NA                                    | NA                          |
| <a href="#">FirePro V7900</a>                            | 2304                                    | 704                       | <a href="#">12.13</a>                 | <a href="#">\$190.00*</a>   |
| <a href="#">Radeon Ryzen 5 PRO 5650G</a>                 | 2298                                    | 705                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 7 Microsoft Surface Edition</a> | 2291                                    | 706                       | NA                                    | NA                          |
| <a href="#">Radeon RX 550X</a>                           | 2287                                    | 707                       | NA                                    | NA                          |
| <a href="#">Radeon HD 5970</a>                           | 2282                                    | 708                       | <a href="#">3.16</a>                  | <a href="#">\$721.20*</a>   |
| <a href="#">FirePro V8800</a>                            | 2280                                    | 709                       | <a href="#">11.52</a>                 | <a href="#">\$198.00*</a>   |
| <a href="#">GeForce MX150</a>                            | 2273                                    | 710                       | <a href="#">38.35</a>                 | <a href="#">\$59.29*</a>    |
| <a href="#">Ryzen 3 4300GE with Radeon Graphics</a>      | 2271                                    | 711                       | NA                                    | NA                          |
| <a href="#">Radeon HD 6970M</a>                          | 2270                                    | 713                       | <a href="#">10.51</a>                 | <a href="#">\$215.99*</a>   |
| <a href="#">Ryzen 7 PRO 5850U with Radeon Graphics</a>   | 2270                                    | 712                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 7530U with Radeon Graphics</a>       | 2269                                    | 714                       | NA                                    | NA                          |
| <a href="#">Radeon R7 250X</a>                           | 2268                                    | 715                       | <a href="#">11.70</a>                 | <a href="#">\$194.00*</a>   |
| <a href="#">Radeon Eng Sample: 100-000000285-40_Y</a>    | 2267                                    | 716                       | NA                                    | NA                          |
| <a href="#">Intel HD 5600</a>                            | 2263                                    | 717                       | NA                                    | NA                          |
| <a href="#">Quadro K3100M</a>                            | 2263                                    | 718                       | <a href="#">5.66</a>                  | <a href="#">\$399.95*</a>   |
| <a href="#">GeForce GTX 460</a>                          | 2262                                    | 719                       | <a href="#">25.15</a>                 | <a href="#">\$89.99*</a>    |
| <a href="#">Ryzen 7 5700U with Radeon Graphics</a>       | 2246                                    | 720                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 9 7900 12-Core</a>              | 2232                                    | 721                       | NA                                    | NA                          |
| <a href="#">Intel Iris Pro P580</a>                      | 2231                                    | 723                       | NA                                    | NA                          |
| <a href="#">Quadro K620</a>                              | 2231                                    | 722                       | <a href="#">1.10</a>                  | <a href="#">\$2,029.99*</a> |
| <a href="#">Ryzen 7 Extreme Edition</a>                  | 2226                                    | 724                       | NA                                    | NA                          |
| <a href="#">GRID P100-1B</a>                             | 2223                                    | 725                       | NA                                    | NA                          |
| <a href="#">Radeon HD 5870</a>                           | 2220                                    | 727                       | <a href="#">5.33</a>                  | <a href="#">\$416.16</a>    |
| <a href="#">Radeon Ryzen 5 7530U</a>                     | 2220                                    | 726                       | NA                                    | NA                          |
| <a href="#">Radeon HD 6870</a>                           | 2216                                    | 728                       | <a href="#">9.24</a>                  | <a href="#">\$239.99</a>    |
| <a href="#">Ryzen 5 4600H with Radeon Graphics</a>       | 2195                                    | 729                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 4700G with Radeon Graphics</a>       | 2186                                    | 730                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 5 7430U</a>                     | 2180                                    | 731                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 5600U with Radeon Graphics</a>       | 2178                                    | 732                       | NA                                    | NA                          |
| <a href="#">Radeon RX Vega 11 Ryzen 5 3400G</a>          | 2175                                    | 733                       | NA                                    | NA                          |
| <a href="#">Radeon HD 7770</a>                           | 2172                                    | 734                       | <a href="#">7.24</a>                  | <a href="#">\$300.00*</a>   |
| <a href="#">FirePro M6100</a>                            | 2152                                    | 735                       | NA                                    | NA                          |
| <a href="#">GRID P4-1B</a>                               | 2151                                    | 736                       | NA                                    | NA                          |

 **Video Card** ▼

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Quadro M1000M</a>                            | 2150                                    | 737                       | <a href="#">6.54</a>                  | <a href="#">\$251.99</a>    |
| <a href="#">Radeon Ryzen 5 5625U</a>                     | 2145                                    | 738                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 745</a>                          | 2138                                    | 739                       | <a href="#">7.51</a>                  | <a href="#">\$284.95*</a>   |
| <a href="#">Radeon Ryzen 7 7700X 8-Core</a>              | 2137                                    | 740                       | NA                                    | NA                          |
| <a href="#">Intel UHD Graphics P630</a>                  | 2133                                    | 741                       | NA                                    | NA                          |
| <a href="#">Ryzen 3 Pro 4350G with Radeon Graphics</a>   | 2126                                    | 742                       | NA                                    | NA                          |
| <a href="#">Radeon RX Vega 11</a>                        | 2115                                    | 743                       | <a href="#">2.11</a>                  | <a href="#">\$1,002.00*</a> |
| <a href="#">Ryzen 7 4800H with Radeon Graphics</a>       | 2113                                    | 744                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 3 7335U</a>                     | 2111                                    | 746                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 5 5600U</a>                     | 2111                                    | 745                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 PRO 4650GE with Radeon Graphics</a>  | 2109                                    | 747                       | NA                                    | NA                          |
| <a href="#">GeForce 945M</a>                             | 2108                                    | 748                       | NA                                    | NA                          |
| <a href="#">FirePro M5100</a>                            | 2102                                    | 749                       | NA                                    | NA                          |
| <a href="#">Quadro P520</a>                              | 2098                                    | 750                       | <a href="#">1.40</a>                  | <a href="#">\$1,499.00*</a> |
| <a href="#">Intel G35 Express</a>                        | 2097                                    | 751                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 5 5500U</a>                     | 2083                                    | 752                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 5 Microsoft Surface Edition</a> | 2080                                    | 753                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 580M</a>                         | 2074                                    | 754                       | <a href="#">8.34</a>                  | <a href="#">\$248.68*</a>   |
| <a href="#">Ryzen 5 5560U with Radeon Graphics</a>       | 2073                                    | 755                       | NA                                    | NA                          |
| <a href="#">GRID M6-1Q</a>                               | 2069                                    | 756                       | NA                                    | NA                          |
| <a href="#">Radeon RX Vega 11 Ryzen 5 3400GE</a>         | 2068                                    | 757                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 PRO 5875U with Radeon Graphics</a>   | 2067                                    | 758                       | NA                                    | NA                          |
| <a href="#">Radeon TM R9 A360</a>                        | 2065                                    | 759                       | NA                                    | NA                          |
| <a href="#">Radeon R9 M385</a>                           | 2060                                    | 760                       | NA                                    | NA                          |
| <a href="#">Quadro 5000M</a>                             | 2059                                    | 761                       | NA                                    | NA                          |
| <a href="#">Ryzen 3 4300G with Radeon Graphics</a>       | 2059                                    | 762                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 7 PRO 4750U</a>                 | 2056                                    | 763                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 PRO 5650U with Radeon Graphics</a>   | 2047                                    | 764                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 5 5560U</a>                     | 2042                                    | 765                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 7 4700U</a>                     | 2040                                    | 766                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 4700U with Radeon Graphics</a>       | 2034                                    | 767                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 PRO 4750U with Radeon Graphics</a>   | 2029                                    | 768                       | NA                                    | NA                          |
| <a href="#">FirePro V7800</a>                            | 2028                                    | 769                       | <a href="#">10.68</a>                 | <a href="#">\$190.00*</a>   |
| <a href="#">Radeon Pro WX 4130</a>                       | 2021                                    | 770                       | NA                                    | NA                          |



## Video Card ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">Ryzen 5 PRO 4500U with Radeon Graphics</a> | 2007                                    | 772                       | NA                                    | NA                         |
|--|---|---------------------------|---------------------------------------|----------------------------|
| <a href="#">Ryzen 5 5600GT with Radeon Graphics</a>    | 2006                                    | 773                       | NA                                    | NA                         |
| <a href="#">GeForce GT 645</a>                         | 2005                                    | 774                       | NA                                    | NA                         |
| <a href="#">Radeon Ryzen 5 7600X3D 6-Core</a>          | 2005                                    | 775                       | NA                                    | NA                         |
| <a href="#">Ryzen 3 5300G with Radeon Graphics</a>     | 2004                                    | 776                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 460 SE</a>                     | 2002                                    | 777                       | <a href="#">12.52</a>                 | <a href="#">\$159.99*</a>  |
| <a href="#">Radeon RX 640</a>                          | 1998                                    | 779                       | NA                                    | NA                         |
| <a href="#">Radeon Ryzen Embedded V2718</a>            | 1998                                    | 778                       | NA                                    | NA                         |
| <a href="#">Radeon R9 350</a>                          | 1993                                    | 780                       | <a href="#">6.67</a>                  | <a href="#">\$299.00*</a>  |
| <a href="#">Radeon R9 M385X</a>                        | 1993                                    | 781                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 765M</a>                       | 1992                                    | 782                       | <a href="#">10.69</a>                 | <a href="#">\$186.30*</a>  |
| <a href="#">Ryzen 5 5500U with Radeon Graphics</a>     | 1991                                    | 783                       | NA                                    | NA                         |
| <a href="#">Radeon Ryzen 7 PRO 5875U</a>               | 1989                                    | 785                       | NA                                    | NA                         |
| <a href="#">Ryzen 5 5625U with Radeon Graphics</a>     | 1989                                    | 784                       | NA                                    | NA                         |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
| <a href="#">Intel Iris Pro 580</a>                     | 1987                                    | 786                       | NA                                    | NA                         |
| <a href="#">Ryzen 3 PRO 7330U with Radeon Graphics</a> | 1984                                    | 787                       | NA                                    | NA                         |
| <a href="#">Radeon R7 + R7 350 Dual</a>                | 1982                                    | 788                       | NA                                    | NA                         |
| <a href="#">Radeon 550</a>                             | 1979                                    | 789                       | <a href="#">22.00</a>                 | <a href="#">\$89.99</a>    |
| <a href="#">Radeon Ryzen 3 PRO 7335U</a>               | 1976                                    | 790                       | NA                                    | NA                         |
| <a href="#">Intel Iris Xe MAX</a>                      | 1971                                    | 791                       | NA                                    | NA                         |
| <a href="#">Radeon HD 5850</a>                         | 1971                                    | 792                       | <a href="#">6.82</a>                  | <a href="#">\$288.99*</a>  |
| <a href="#">Radeon HD 6850</a>                         | 1966                                    | 793                       | <a href="#">9.65</a>                  | <a href="#">\$203.84</a>   |
| <a href="#">Radeon R7 + HD 7700 Dual</a>               | 1962                                    | 794                       | NA                                    | NA                         |
| <a href="#">Radeon HD 7660D + HD 7700 Dual</a>         | 1958                                    | 795                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 470M</a>                       | 1953                                    | 797                       | NA                                    | NA                         |
| <a href="#">Qualcomm Adreno 8cx Gen 3</a>              | 1953                                    | 796                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 670MX</a>                      | 1951                                    | 798                       | NA                                    | NA                         |
| <a href="#">Radeon Ryzen 5 PRO 5675U</a>               | 1938                                    | 799                       | NA                                    | NA                         |
| <a href="#">Radeon Vega 11 Ryzen 5 PRO 3400G</a>       | 1936                                    | 800                       | NA                                    | NA                         |
| <a href="#">Quadro 5000</a>                            | 1933                                    | 801                       | <a href="#">0.89</a>                  | <a href="#">\$2,166.34</a> |
| <a href="#">Radeon Vega 8 Ryzen 3 3200G</a>            | 1932                                    | 802                       | NA                                    | NA                         |
| <a href="#">Radeon R7 450</a>                          | 1930                                    | 803                       | <a href="#">6.46</a>                  | <a href="#">\$299.00*</a>  |
| <a href="#">GeForce GTX 675M</a>                       | 1927                                    | 804                       | NA                                    | NA                         |



| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">Radeon RX 570X</a>                             | 1923                                    | 806                       | <a href="#">12.57</a>                 | <a href="#">\$153.01</a>  |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 7560D + 7700 Dual</a>                | 1919                                    | 808                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 PRO 7530U with Radeon Graphics</a>     | 1919                                    | 807                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 5300GE with Radeon Graphics</a>        | 1917                                    | 809                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 3 PRO 7330U</a>                   | 1915                                    | 810                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 560 SE</a>                         | 1914                                    | 811                       | <a href="#">21.27</a>                 | <a href="#">\$89.99*</a>  |
| <a href="#">Radeon Vega 11 Ryzen 5 PRO 3400GE w/</a>       | 1907                                    | 812                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 PRO 4350GE with Radeon Graphics</a>    | 1905                                    | 813                       | NA                                    | NA                        |
| <a href="#">Matrox C680 PCIe x16</a>                       | 1903                                    | 814                       | NA                                    | NA                        |
| <a href="#">Quadro K4000M</a>                              | 1902                                    | 815                       | <a href="#">7.49</a>                  | <a href="#">\$254.00*</a> |
| <a href="#">Ryzen 5 4600U with Radeon Graphics</a>         | 1901                                    | 816                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7700-serie</a>                       | 1899                                    | 817                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 4600GE with Radeon Graphics</a> | 1896                                    | 818                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + HD 7700 Dual</a>             | 1892                                    | 819                       | NA                                    | NA                        |
| <a href="#">Intel UHD Graphics 770</a>                     | 1879                                    | 820                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 645</a>                            | 1875                                    | 821                       | NA                                    | NA                        |
| <a href="#">Quadro M520</a>                                | 1872                                    | 822                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 460 v2</a>                         | 1871                                    | 823                       | <a href="#">9.36</a>                  | <a href="#">\$199.99*</a> |
| <a href="#">FirePro 3D V7800</a>                           | 1867                                    | 824                       | <a href="#">3.11</a>                  | <a href="#">\$599.99*</a> |
| <a href="#">Radeon Ryzen Embedded R2544</a>                | 1864                                    | 825                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 570M</a>                           | 1863                                    | 826                       | NA                                    | NA                        |
| <a href="#">Radeon Eng Sample: 100-00000287-40_Y</a>       | 1861                                    | 827                       | NA                                    | NA                        |
| <a href="#">Radeon RX Vega 11 Processor</a>                | 1861                                    | 828                       | NA                                    | NA                        |
| <a href="#">Radeon RX 540</a>                              | 1860                                    | 829                       | NA                                    | NA                        |
| <a href="#">Radeon RX Vega 11 Ryzen 5 3350G</a>            | 1854                                    | 830                       | NA                                    | NA                        |
| <a href="#">GeForce 945A</a>                               | 1852                                    | 831                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 8 Ryzen 3 PRO 3200G</a>            | 1851                                    | 832                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen Embedded V2748</a>                | 1842                                    | 833                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 11</a>                             | 1841                                    | 834                       | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">FirePro M5100 FireGL V</a>                     | 1839                                    | 835                       | NA                                    | NA                        |
| <a href="#">GeForce MX130</a>                              | 1838                                    | 836                       | NA                                    | NA                        |
| <a href="#">GRID M60-0B</a>                                | 1838                                    | 837                       | NA                                    | NA                        |
| <a href="#">GeForce MX230</a>                              | 1834                                    | 839                       | NA                                    | NA                        |

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon Pro WX 2100</a>                      | 1834                                    | 840                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 7600 6-Core</a>              | 1832                                    | 841                       | NA                                    | NA                        |
| <a href="#">Radeon RX Vega 10 Ryzen 7 3750H</a>         | 1825                                    | 842                       | NA                                    | NA                        |
| <a href="#">FirePro M6000</a>                           | 1820                                    | 843                       | <a href="#">5.58</a>                  | <a href="#">\$325.99*</a> |
| <a href="#">Ryzen 5 4500U with Radeon Graphics</a>      | 1817                                    | 844                       | NA                                    | NA                        |
| <a href="#">Intel Iris Plus</a>                         | 1813                                    | 845                       | NA                                    | NA                        |
| <a href="#">Matrox C900 PCIe x16</a>                    | 1812                                    | 846                       | NA                                    | NA                        |
| <a href="#">Radeon R9 M375X</a>                         | 1807                                    | 847                       | NA                                    | NA                        |
| <a href="#">Radeon R9 M360</a>                          | 1802                                    | 848                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8870M / R9 M270X / M370X</a>      | 1799                                    | 849                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + 7700 Dual</a>             | 1788                                    | 850                       | NA                                    | NA                        |
| <a href="#">Embedded Radeon E9173</a>                   | 1787                                    | 851                       | NA                                    | NA                        |
| <a href="#">Radeon R7 M465X</a>                         | 1780                                    | 852                       | NA                                    | NA                        |
| <a href="#">Firepro W5170M</a>                          | 1777                                    | 853                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 3 PRO 5450U</a>                | 1777                                    | 854                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 PRO 5350GE with Radeon Graphics</a> | 1774                                    | 855                       | NA                                    | NA                        |
| <a href="#">Quadro 5010M</a>                            | 1771                                    | 856                       | <a href="#">7.51</a>                  | <a href="#">\$235.95*</a> |
| <a href="#">Intel UHD 770#0x1c005d839205d7e9#</a>       | 1758                                    | 857                       | NA                                    | NA                        |
| <a href="#">GRID M10-8Q</a>                             | 1755                                    | 858                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 650</a>                         | 1749                                    | 859                       | <a href="#">12.17</a>                 | <a href="#">\$143.80*</a> |
| <a href="#">Ryzen 5 PRO 4650U with Radeon Graphics</a>  | 1749                                    | 860                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 PRO 4200GE with Radeon Graphics</a> | 1748                                    | 861                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 670M</a>                        | 1744                                    | 863                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 7800X3D 8-Core</a>           | 1744                                    | 862                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 7600X 6-Core</a>             | 1741                                    | 864                       | NA                                    | NA                        |
| <a href="#">Intel Iris Plus 655</a>                     | 1733                                    | 865                       | NA                                    | NA                        |
| <a href="#">Radeon HD 5830</a>                          | 1732                                    | 866                       | <a href="#">6.69</a>                  | <a href="#">\$258.99*</a> |
| <a href="#">Intel UHD Graphics 750</a>                  | 1727                                    | 867                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 9 PRO 7945 12-Core</a>         | 1725                                    | 868                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 760M</a>                        | 1720                                    | 869                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 PRO 5675U with Radeon Graphics</a>  | 1719                                    | 870                       | NA                                    | NA                        |
| <a href="#">Intel Iris Plus 645</a>                     | 1715                                    | 871                       | NA                                    | NA                        |
| <a href="#">FirePro M6000 Mobility Pro</a>              | 1712                                    | 872                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6900M</a>                         | 1703                                    | 873                       | NA                                    | NA                        |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">GeForce GTX 1050M</a>  | 1690                                    | 875                       | NA                                    | NA                        |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon Ryzen 7 7700 8-Core</a>   | 1689                                    | 876                       | NA                                    | NA                        |
| <a href="#">Radeon E8860</a>   | 1686                                    | 877                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 8 Ryzen 5 3550H</a>  | 1680                                    | 878                       | NA                                    | NA                        |
| <a href="#">Radeon RX Vega11 Ryzen 7 3750H</a>                                     | 1674                                    | 879                       | NA                                    | NA                        |
| <a href="#">FirePro W600</a>   | 1671                                    | 880                       | <a href="#">4.03</a>                  | <a href="#">\$414.99*</a> |
| <a href="#">Intel UHD Graphics P750</a>  | 1670                                    | 881                       | NA                                    | NA                        |
| <a href="#">Radeon R7 M380</a>   | 1668                                    | 882                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 5425U with Radeon Graphics</a>                                 | 1667                                    | 883                       | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon EPYC 4584PX 16-Core</a>   | 1661                                    | 884                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 9 7900X3D 12-Core</a>                                     | 1655                                    | 885                       | NA                                    | NA                        |
| <a href="#">Virtual Display Device</a>   | 1655                                    | 886                       | NA                                    | NA                        |
| <a href="#">PCI\VEN_1002&amp;DEV_164E&amp;SUBSYS_D0001458&amp;REV_C3<br/>Ryzen</a> | 1653                                    | 887                       | NA                                    | NA                        |
| <a href="#">Radeon HD HD7850M</a>  | 1651                                    | 888                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 7330U with Radeon Graphics</a>                                 | 1649                                    | 889                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 3 7330U</a>   | 1647                                    | 891                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 10 Ryzen 7 PRO 3700U w/</a>                                | 1647                                    | 890                       | NA                                    | NA                        |
| <a href="#">PCI\VEN_1002&amp;DEV_164E&amp;SUBSYS_D0001458&amp;REV_C7<br/>Ryzen</a> | 1642                                    | 892                       | NA                                    | NA                        |
| <a href="#">Quadro P400</a>  | 1642                                    | 893                       | <a href="#">8.17</a>                  | <a href="#">\$201.17*</a> |
| <a href="#">Radeon HD 8870M</a>  | 1638                                    | 894                       | NA                                    | NA                        |
| <a href="#">Quadro K3000M</a>  | 1637                                    | 895                       | <a href="#">4.02</a>                  | <a href="#">\$407.56*</a> |
| <a href="#">Radeon RX Vega 10</a>  | 1635                                    | 897                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 9 7950X3D 16-Core</a>                                     | 1635                                    | 896                       | NA                                    | NA                        |
| <a href="#">Radeon EPYC 4344P 8-Core</a>   | 1634                                    | 898                       | NA                                    | NA                        |
| <a href="#">FirePro M4000 Mobility Pro</a>   | 1628                                    | 899                       | NA                                    | NA                        |
| <a href="#">Quadro P500</a>  | 1627                                    | 900                       | NA                                    | NA                        |
| <a href="#">Intel Iris Pro P6300</a>   | 1625                                    | 901                       | NA                                    | NA                        |
| <a href="#">RadeonT RX Vega 11</a>   | 1621                                    | 902                       | NA                                    | NA                        |
| <a href="#">Radeon EPYC 4484PX 12-Core</a>   | 1619                                    | 903                       | NA                                    | NA                        |
| <a href="#">Radeon EPYC 4564P 16-Core</a>  | 1618                                    | 904                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 480M</a>   | 1617                                    | 906                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 2700U with Radeon Vega</a>                                     | 1617                                    | 905                       | NA                                    | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon R9 M275X</a>                        | 1615                                    | 908                       | NA                                    | NA                        |
| <a href="#">Radeon EPYC 4124P 4-Core</a>               | 1614                                    | 909                       | NA                                    | NA                        |
| <a href="#">Radeon EPYC 4464P 12-Core</a>              | 1613                                    | 910                       | NA                                    | NA                        |
| <a href="#">Radeon EPYC 4364P 8-Core</a>               | 1610                                    | 911                       | NA                                    | NA                        |
| <a href="#">Radeon RX Vega11</a>                       | 1605                                    | 912                       | NA                                    | NA                        |
| <a href="#">Seria Radeon HD 7700</a>                   | 1603                                    | 913                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 PRO 5450U with Radeon Graphics</a> | 1601                                    | 914                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 9</a>                          | 1596                                    | 915                       | NA                                    | NA                        |
| <a href="#">FirePro M4000</a>                          | 1593                                    | 916                       | <a href="#">21.88</a>                 | <a href="#">\$72.83*</a>  |
| <a href="#">Qualcomm Adreno X1-45 GPU</a>              | 1590                                    | 917                       | NA                                    | NA                        |
| <a href="#">Quadro K2000D</a>                          | 1586                                    | 918                       | <a href="#">4.67</a>                  | <a href="#">\$339.99*</a> |
| <a href="#">Intel UHD Graphics 730</a>                 | 1583                                    | 920                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 3 5300U</a>                   | 1583                                    | 919                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 8</a>                          | 1583                                    | 921                       | <a href="#">12.48</a>                 | <a href="#">\$126.86*</a> |
| <a href="#">Radeon Ryzen 7 PRO 7745 8-Core</a>         | 1581                                    | 922                       | NA                                    | NA                        |
| <a href="#">Quadro K2000</a>                           | 1580                                    | 923                       | <a href="#">5.37</a>                  | <a href="#">\$294.00*</a> |
| <a href="#">Ryzen 3 5400U with Radeon Graphics</a>     | 1579                                    | 924                       | NA                                    | NA                        |
| <a href="#">Intel Iris Plus 650</a>                    | 1575                                    | 925                       | NA                                    | NA                        |
| <a href="#">Radeon R9 M275X / M375</a>                 | 1574                                    | 926                       | NA                                    | NA                        |
| <a href="#">Radeon Athlon Gold PRO 4150GE</a>          | 1573                                    | 927                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 555</a>                        | 1571                                    | 928                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 3 5425U</a>                   | 1566                                    | 929                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 9 Ryzen 5 3550H</a>            | 1561                                    | 930                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 10</a>                         | 1560                                    | 931                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + HD 6670 Dual</a>         | 1554                                    | 932                       | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">GeForce GTX 550 Ti</a>                     | 1553                                    | 933                       | <a href="#">15.54</a>                 | <a href="#">\$99.99*</a>  |
| <a href="#">Radeon R9 M370X</a>                        | 1552                                    | 934                       | <a href="#">1.75</a>                  | <a href="#">\$889.00*</a> |
| <a href="#">Radeon Ryzen 5 PRO 7645 6-Core</a>         | 1552                                    | 935                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8470D + HD 7500 Dual</a>         | 1545                                    | 936                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 PRO 4300U with Radeon Graphics</a> | 1542                                    | 937                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 3 PRO 5475U</a>               | 1541                                    | 938                       | NA                                    | NA                        |
| <a href="#">FirePro V8700</a>                          | 1538                                    | 939                       | <a href="#">9.75</a>                  | <a href="#">\$157.88*</a> |
| <a href="#">Ryzen 3 PRO 4450U with Radeon Graphics</a> | 1538                                    | 940                       | NA                                    | NA                        |



## Video Card ▼

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon Vega 6 Ryzen 3 3350U</a>                     | 1531                                    | 942                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen Embedded V2516</a>                     | 1527                                    | 944                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 5300U with Radeon Graphics</a>              | 1527                                    | 943                       | NA                                    | NA                        |
| <a href="#">GeForce 845M</a>                                    | 1524                                    | 945                       | NA                                    | NA                        |
| <a href="#">Radeon RX Vega 10 Ryzen 7 PRO 3700U w/</a>          | 1521                                    | 946                       | NA                                    | NA                        |
| <a href="#">GeForce 940MX</a>                                   | 1516                                    | 947                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 10 Mobile</a>                           | 1516                                    | 949                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 9 Ryzen 5 Microsoft Surface Edition</a> | 1516                                    | 948                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 285</a>                                 | 1515                                    | 950                       | <a href="#">12.63</a>                 | <a href="#">\$119.99*</a> |
| <a href="#">FirePro W4100</a>                                   | 1512                                    | 951                       | <a href="#">8.22</a>                  | <a href="#">\$184.00*</a> |
| <a href="#">Radeon RX Vega 10 Ryzen 7 3700U</a>                 | 1509                                    | 952                       | NA                                    | NA                        |
| <a href="#">Radeon HD 4890</a>                                  | 1507                                    | 953                       | <a href="#">16.76</a>                 | <a href="#">\$89.99*</a>  |
| <a href="#">Radeon HD 7870M</a>                                 | 1507                                    | 954                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 2500U with Radeon Vega</a>                  | 1503                                    | 955                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 8 Ryzen 5 PRO 3500U w/</a>              | 1499                                    | 956                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 8 Ryzen 3 PRO 3200GE w/</a>             | 1498                                    | 957                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6670 + 7660D Dual</a>                     | 1492                                    | 958                       | NA                                    | NA                        |
| <a href="#">Radeon RX Vega 8</a>                                | 1487                                    | 959                       | NA                                    | NA                        |
| <a href="#">GeForce GT 740</a>                                  | 1485                                    | 960                       | <a href="#">6.27</a>                  | <a href="#">\$236.99*</a> |
| <a href="#">Intel UHD Graphics</a>                              | 1484                                    | 962                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + HD 6670 Dual</a>                  | 1484                                    | 961                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen Embedded R2514</a>                     | 1482                                    | 963                       | NA                                    | NA                        |
| <a href="#">Radeon R9 M365X</a>                                 | 1481                                    | 964                       | NA                                    | NA                        |
| <a href="#">Quadro 4000</a>                                     | 1479                                    | 965                       | <a href="#">2.12</a>                  | <a href="#">\$699.00*</a> |
| <a href="#">Intel Iris Pro Graphics 6200</a>                    | 1471                                    | 966                       | NA                                    | NA                        |
| <a href="#">Radeon R7 FX-9830P RADEON</a>                       | 1464                                    | 967                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 660M</a>                                | 1442                                    | 968                       | <a href="#">18.27</a>                 | <a href="#">\$78.99*</a>  |
| <a href="#">Ryzen 5 PRO 4400GE with Radeon Graphics</a>         | 1441                                    | 969                       | NA                                    | NA                        |
| <a href="#">Radeon Eng Sample: 100-000000085-40_35/24_Y</a>     | 1440                                    | 970                       | NA                                    | NA                        |
| <a href="#">Intel Iris 550</a>                                  | 1436                                    | 971                       | NA                                    | NA                        |
| <a href="#">GeForce MX110</a>                                   | 1435                                    | 973                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8470D + HD 6670 Dual</a>                  | 1435                                    | 972                       | NA                                    | NA                        |
| <a href="#">Radeon 630</a>                                      | 1434                                    | 974                       | NA                                    | NA                        |
| <a href="#">Radeon 540X</a>                                     | 1433                                    | 975                       | NA                                    | NA                        |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------|--------------------------------------|------------------------|------------------------------------|-------------|
|----------------|--------------------------------------|------------------------|------------------------------------|-------------|

 **Video Card** ▼

|  |      |     |    |    |
|--|------|-----|----|----|
| <a href="#">Intel Iris 650</a>                         | 1432 | 977 | NA | NA |
| <a href="#">Radeon 550X</a>                            | 1432 | 978 | NA | NA |
| <a href="#">Radeon Ryzen 3 PRO 4355GE</a>              | 1431 | 980 | NA | NA |
| <a href="#">Ryzen 3 PRO 5475U with Radeon Graphics</a> | 1431 | 979 | NA | NA |
| <a href="#">Radeon HD 7560D + 7670 Dual</a>            | 1426 | 981 | NA | NA |

| Videocard Name   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|--|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <a href="#">Radeon Vega 8 Mobile</a>                               | 1425                                 | 982                    | NA                                 | NA                          |
| <a href="#">Radeon EPYC 4244P 6-Core</a>                           | 1424                                 | 983                    | NA                                 | NA                          |
| <a href="#">Radeon R9 255</a>                                      | 1420                                 | 984                    | <a href="#">4.13</a>               | <a href="#">\$344.16*</a>   |
| <a href="#">Radeon R7 M370</a>                                     | 1417                                 | 985                    | NA                                 | NA                          |
| <a href="#">FirePro W5130M</a>                                     | 1409                                 | 986                    | NA                                 | NA                          |
| <a href="#">Radeon Pro WX 4170</a>                                 | 1409                                 | 987                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 275</a>                                    | 1408                                 | 988                    | <a href="#">3.26</a>               | <a href="#">\$431.72*</a>   |
| <a href="#">Radeon RX Vega11 Ryzen 7 Microsoft Surface Edition</a> | 1398                                 | 989                    | NA                                 | NA                          |
| <a href="#">Radeon Vega 8 Ryzen 5 3500U</a>                        | 1394                                 | 990                    | NA                                 | NA                          |
| <a href="#">Radeon 540</a>   | 1383                                 | 991                    | NA                                 | NA                          |
| <a href="#">Radeon HD 7560D + HD 7670 Dual</a>                     | 1380                                 | 992                    | NA                                 | NA                          |
| <a href="#">Radeon HD 4870</a>                                     | 1372                                 | 994                    | <a href="#">9.61</a>               | <a href="#">\$142.82</a>    |
| <a href="#">Radeon HD 7850M</a>                                    | 1372                                 | 993                    | NA                                 | NA                          |
| <a href="#">Radeon Vega 6 Ryzen 3 PRO 3300U w/</a>                 | 1370                                 | 995                    | NA                                 | NA                          |
| <a href="#">FirePro M40003</a>                                     | 1364                                 | 996                    | NA                                 | NA                          |
| <a href="#">Radeon HD 8670D + 6670 Dual</a>                        | 1361                                 | 997                    | NA                                 | NA                          |
| <a href="#">Ryzen 3 4300U with Radeon Graphics</a>                 | 1358                                 | 998                    | NA                                 | NA                          |
| <a href="#">Quadro K2100M</a>                                      | 1355                                 | 999                    | <a href="#">3.26</a>               | <a href="#">\$415.99*</a>   |
| <a href="#">Intel Iris Plus 640</a>                                | 1349                                 | 1000                   | NA                                 | NA                          |
| <a href="#">Radeon HD 7560D + HD 7700 Dual</a>                     | 1346                                 | 1001                   | NA                                 | NA                          |
| <a href="#">FireStream 9270</a>                                    | 1341                                 | 1002                   | NA                                 | NA                          |
| <a href="#">Radeon HD 5770</a>                                     | 1340                                 | 1003                   | <a href="#">7.06</a>               | <a href="#">\$189.99*</a>   |
| <a href="#">GeForce GT 750M</a>                                    | 1332                                 | 1004                   | NA                                 | NA                          |
| <a href="#">GeForce GTS 450</a>                                    | 1322                                 | 1005                   | <a href="#">9.49</a>               | <a href="#">\$139.34</a>    |
| <a href="#">Radeon HD 8670D + HD 7600 Dual</a>                     | 1317                                 | 1006                   | NA                                 | NA                          |
| <a href="#">FirePro M5950</a>                                      | 1314                                 | 1007                   | NA                                 | NA                          |
| <a href="#">Radeon Vega 6</a>                                      | 1310                                 | 1008                   | <a href="#">0.73</a>               | <a href="#">\$1,799.99*</a> |
| <a href="#">Radeon HD 4870 X2</a>                                  | 1309                                 | 1010                   | NA                                 | NA                          |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|  |      |      |                       |                             |
|--|------|------|-----------------------|-----------------------------|
| <a href="#">Radeon HD 8790M</a>                | 1305 | 1012 | NA                    | NA                          |
| <a href="#">Tesla M2070-Q</a>                  | 1305 | 1011 | NA                    | NA                          |
| <a href="#">Quadro 4000M</a>                   | 1302 | 1013 | <a href="#">5.61</a>  | <a href="#">\$232.06*</a>   |
| <a href="#">GeForce GTX 280</a>                | 1299 | 1015 | <a href="#">2.49</a>  | <a href="#">\$522.78*</a>   |
| <a href="#">TENSOR 1.0 Driver Intel HD 630</a> | 1299 | 1014 | NA                    | NA                          |
| <a href="#">Radeon Vega 6 Ryzen 3 3300U</a>    | 1297 | 1016 | NA                    | NA                          |
| <a href="#">GeForce 930MX</a>                  | 1287 | 1017 | NA                    | NA                          |
| <a href="#">MxGPU</a>                          | 1282 | 1018 | NA                    | NA                          |
| <a href="#">Radeon R7 A370</a>                 | 1281 | 1019 | NA                    | NA                          |
| <a href="#">FirePro 3D V8750</a>               | 1271 | 1020 | <a href="#">1.03</a>  | <a href="#">\$1,230.99*</a> |
| <a href="#">GeForce 930A</a>                   | 1267 | 1021 | NA                    | NA                          |
| <a href="#">FirePro V5900</a>                  | 1264 | 1022 | <a href="#">14.71</a> | <a href="#">\$86.00*</a>    |
| <a href="#">Intel Iris 540</a>                 | 1263 | 1023 | NA                    | NA                          |
| <a href="#">GeForce GTX 560M</a>               | 1260 | 1024 | NA                    | NA                          |
| <a href="#">Radeon HD 8570D + HD 6670 Dual</a> | 1260 | 1025 | NA                    | NA                          |
| <a href="#">Radeon HD 7560D + HD 7600 Dual</a> | 1258 | 1026 | NA                    | NA                          |
| <a href="#">Radeon HD 6770</a>                 | 1249 | 1027 | <a href="#">4.72</a>  | <a href="#">\$264.99*</a>   |
| <a href="#">Intel UHD Graphics 630</a>         | 1244 | 1028 | NA                    | NA                          |
| <a href="#">Radeon Vega 8 Ryzen 5 3450U</a>    | 1243 | 1029 | NA                    | NA                          |
| <a href="#">GeForce GT 745A</a>                | 1240 | 1030 | NA                    | NA                          |

| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Quadro 2000 D</a>                  | 1239                                    | 1031                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8570D + 6570 Dual</a>    | 1239                                    | 1032                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + 6670 Dual</a>    | 1238                                    | 1033                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + HD 6570 Dual</a> | 1237                                    | 1034                      | NA                                    | NA                        |
| <a href="#">Radeon R7 + R5 340 Dual</a>        | 1234                                    | 1035                      | NA                                    | NA                        |
| <a href="#">Radeon R7 + R7 250 Dual</a>        | 1232                                    | 1036                      | NA                                    | NA                        |
| <a href="#">FirePro 3D V5800</a>               | 1231                                    | 1037                      | <a href="#">6.04</a>                  | <a href="#">\$204.00*</a> |
| <a href="#">GeForce GTX 460M</a>               | 1231                                    | 1038                      | NA                                    | NA                        |
| <a href="#">GeForce GTX 760A</a>               | 1226                                    | 1039                      | NA                                    | NA                        |
| <a href="#">Quadro FX 5800</a>                 | 1223                                    | 1040                      | <a href="#">4.46</a>                  | <a href="#">\$274.00*</a> |
| <a href="#">Radeon HD 8670D + HD 6670 Dual</a> | 1221                                    | 1041                      | NA                                    | NA                        |
| <a href="#">GeForce GTX 260</a>                | 1217                                    | 1042                      | <a href="#">4.26</a>                  | <a href="#">\$285.78*</a> |
| <a href="#">Radeon HD 8790M / R9 M290X</a>     | 1210                                    | 1043                      | NA                                    | NA                        |

| Videocard Name                               | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">FirePro 3D V8700</a>             | 1206                                    | 1045                      | <a href="#">1.09</a>                  | <a href="#">\$170.00*</a> |
| <a href="#">GeForce GTX 295</a>              | 1206                                    | 1046                      | <a href="#">7.54</a>                  | <a href="#">\$159.99*</a> |
| <a href="#">GeForce GT 650M</a>              | 1204                                    | 1047                      | NA                                    | NA                        |
| <a href="#">N16P-GX</a>                      | 1204                                    | 1048                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + 7540D Dual</a> | 1204                                    | 1049                      | NA                                    | NA                        |
| <a href="#">Radeon R9 M270X</a>              | 1204                                    | 1050                      | NA                                    | NA                        |
| <a href="#">Intel HD P630</a>                | 1203                                    | 1051                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7750M</a>              | 1191                                    | 1052                      | NA                                    | NA                        |
| <a href="#">Radeon R7 +8G</a>                | 1190                                    | 1053                      | NA                                    | NA                        |
| <a href="#">GeForce GPU</a>                  | 1189                                    | 1054                      | NA                                    | NA                        |
| <a href="#">Intel Iris Pro 5200</a>          | 1185                                    | 1055                      | NA                                    | NA                        |
| <a href="#">NVS 810</a>                      | 1179                                    | 1056                      | <a href="#">1.89</a>                  | <a href="#">\$624.99*</a> |
| <a href="#">FirePro V5800</a>                | 1175                                    | 1057                      | <a href="#">22.18</a>                 | <a href="#">\$53.00*</a>  |
| <a href="#">GeForce GT 640</a>               | 1174                                    | 1058                      | <a href="#">10.68</a>                 | <a href="#">\$109.99*</a> |
| <a href="#">Radeon R7 Opteron X3421</a>      | 1168                                    | 1059                      | NA                                    | NA                        |
| <a href="#">Quadro K620M</a>                 | 1165                                    | 1060                      | NA                                    | NA                        |
| <a href="#">FireStream 9250</a>              | 1164                                    | 1061                      | NA                                    | NA                        |
| <a href="#">Quadro M500M</a>                 | 1163                                    | 1062                      | NA                                    | NA                        |
| <a href="#">Radeon HD 5750</a>               | 1162                                    | 1063                      | <a href="#">9.02</a>                  | <a href="#">\$128.99</a>  |
| <a href="#">Barco MXRT 5400</a>              | 1161                                    | 1064                      | <a href="#">5.72</a>                  | <a href="#">\$203.00*</a> |
| <a href="#">Intel HD P530</a>                | 1160                                    | 1065                      | NA                                    | NA                        |
| <a href="#">Intel Coffee Lake UHD</a>        | 1158                                    | 1066                      | NA                                    | NA                        |
| <a href="#">FirePro M4170</a>                | 1155                                    | 1067                      | NA                                    | NA                        |
| <a href="#">Firepro W4190M</a>               | 1150                                    | 1068                      | NA                                    | NA                        |
| <a href="#">GeForce 840A</a>                 | 1145                                    | 1069                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8850M / R9 M265X</a>   | 1139                                    | 1070                      | NA                                    | NA                        |
| <a href="#">GeForce 830A</a>                 | 1138                                    | 1071                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4850 X2</a>            | 1132                                    | 1073                      | NA                                    | NA                        |
| <a href="#">Radeon R9 M265X</a>              | 1132                                    | 1072                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + 6670 Dual</a>  | 1130                                    | 1074                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 7700M Dual</a> | 1126                                    | 1075                      | NA                                    | NA                        |
| <a href="#">GeForce 940M</a>                 | 1125                                    | 1076                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M465</a>               | 1125                                    | 1077                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + 7500 Dual</a>  | 1121                                    | 1078                      | NA                                    | NA                        |

 **Video Card** ▼



| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| videocara name                                    | (higher is better) | (lower is better) | (higher is better)    | (USD)                     |
|---|--------------------|-------------------|-----------------------|---------------------------|
| <a href="#">Radeon R7 A10-7870K</a>               | 1111               | 1081              | NA                    | NA                        |
| <a href="#">Radeon Ryzen 5 3450U</a>              | 1111               | 1080              | NA                    | NA                        |
| <a href="#">GeForce GT 545</a>                    | 1110               | 1083              | <a href="#">19.98</a> | <a href="#">\$55.59*</a>  |
| <a href="#">Intel HD 630</a>                      | 1110               | 1082              | NA                    | NA                        |
| <a href="#">GeForce 940A</a>                      | 1106               | 1084              | NA                    | NA                        |
| <a href="#">Radeon R7 M350</a>                    | 1104               | 1085              | NA                    | NA                        |
| <a href="#">RadeonT 610M</a>                      | 1102               | 1086              | NA                    | NA                        |
| <a href="#">Quadro 2100M</a>                      | 1100               | 1088              | NA                    | NA                        |
| <a href="#">Radeon HD 7660D + 6570 Dual</a>       | 1100               | 1087              | NA                    | NA                        |
| <a href="#">Radeon 610M</a>                       | 1099               | 1089              | NA                    | NA                        |
| <a href="#">GeForce GT 745M</a>                   | 1096               | 1090              | NA                    | NA                        |
| <a href="#">Radeon R5 PRO A6-9500 2C+6G</a>       | 1096               | 1091              | NA                    | NA                        |
| <a href="#">Radeon R7 430</a>                     | 1093               | 1092              | <a href="#">7.26</a>  | <a href="#">\$150.58*</a> |
| <a href="#">GeForce 840M</a>                      | 1091               | 1094              | NA                    | NA                        |
| <a href="#">GeForce GTX 850M - MODDED</a>         | 1091               | 1093              | NA                    | NA                        |
| <a href="#">Quadro K1100M</a>                     | 1089               | 1095              | <a href="#">3.37</a>  | <a href="#">\$322.99*</a> |
| <a href="#">Mobility Radeon HD 5870</a>           | 1081               | 1096              | NA                    | NA                        |
| <a href="#">Radeon R7 A12-9800 RADEON</a>         | 1081               | 1097              | NA                    | NA                        |
| <a href="#">GeForce 920MX</a>                     | 1080               | 1099              | NA                    | NA                        |
| <a href="#">MIRRORV3</a>                          | 1080               | 1098              | NA                    | NA                        |
| <a href="#">Barco MXRT 5450</a>                   | 1079               | 1100              | <a href="#">5.40</a>  | <a href="#">\$199.99*</a> |
| <a href="#">Radeon 625</a>                        | 1078               | 1101              | NA                    | NA                        |
| <a href="#">Intel UHD Graphics 710</a>            | 1077               | 1102              | NA                    | NA                        |
| <a href="#">Radeon 535</a>                        | 1077               | 1103              | NA                    | NA                        |
| <a href="#">Radeon R7 + R7 200 Dual</a>           | 1077               | 1104              | NA                    | NA                        |
| <a href="#">Radeon HD 8450G + 8600/8700M Dual</a> | 1070               | 1105              | NA                    | NA                        |
| <a href="#">Radeon R7 M460</a>                    | 1066               | 1106              | NA                    | NA                        |
| <a href="#">Radeon R7 250</a>                     | 1063               | 1107              | <a href="#">10.64</a> | <a href="#">\$99.99*</a>  |
| <a href="#">Radeon HD 7660D + 7670 Dual</a>       | 1061               | 1108              | NA                    | NA                        |
| <a href="#">Radeon HD 7520G + 7700M Dual</a>      | 1060               | 1109              | NA                    | NA                        |
| <a href="#">Firepro M4100</a>                     | 1059               | 1110              | NA                    | NA                        |
| <a href="#">OPAL XT/GL</a>                        | 1053               | 1111              | NA                    | NA                        |
| <a href="#">Radeon HD 7670A</a>                   | 1050               | 1112              | NA                    | NA                        |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|  |      |      |                       |                          |
|--|------|------|-----------------------|--------------------------|
| <a href="#">Radeon R7 + R7 240 Dual</a>        | 1045 | 1114 | NA                    | NA                       |
| <a href="#">Intel UHD Graphics 620</a>         | 1044 | 1115 | NA                    | NA                       |
| <a href="#">Radeon Vega 3 Athlon 300GE</a>     | 1044 | 1116 | NA                    | NA                       |
| <a href="#">Radeon HD 6750</a>                 | 1043 | 1117 | <a href="#">13.04</a> | <a href="#">\$79.99*</a> |
| <a href="#">Radeon HD 8570D + 6670 Dual</a>    | 1039 | 1118 | NA                    | NA                       |
| <a href="#">Radeon Vega 3 Mobile</a>           | 1034 | 1119 | NA                    | NA                       |
| <a href="#">FirePro W4170M</a>                 | 1033 | 1120 | NA                    | NA                       |
| <a href="#">Radeon HD 8570D + HD 8570 Dual</a> | 1032 | 1121 | NA                    | NA                       |
| <a href="#">Radeon HD 8600/8700M</a>           | 1029 | 1122 | NA                    | NA                       |
| <a href="#">Radeon R7 + R5 330 Dual</a>        | 1028 | 1123 | NA                    | NA                       |
| <a href="#">Radeon R7 A12-9730P RADEON</a>     | 1026 | 1124 | NA                    | NA                       |
| <a href="#">Qualcomm Adreno 690 GPU</a>        | 1022 | 1125 | NA                    | NA                       |
| <a href="#">Radeon HD 8670D + R7 240 Dual</a>  | 1020 | 1126 | NA                    | NA                       |
| <a href="#">Radeon 530</a>                     | 1019 | 1127 | NA                    | NA                       |
| <a href="#">Radeon HD 6700M</a>                | 1016 | 1128 | NA                    | NA                       |

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon R5 A6-9500E 2C+4G</a>                      | 1014                                    | 1129                      | NA                                    | NA                        |
| <a href="#">GeForce 930M</a>                                  | 1012                                    | 1130                      | NA                                    | NA                        |
| <a href="#">Quadro K2000M</a>                                 | 1012                                    | 1131                      | <a href="#">7.03</a>                  | <a href="#">\$144.04*</a> |
| <a href="#">Radeon HD 7690M XT</a>                            | 1009                                    | 1132                      | NA                                    | NA                        |
| <a href="#">GeForce 830M</a>                                  | 1008                                    | 1133                      | NA                                    | NA                        |
| <a href="#">Glenfly Arise-GT-10C0</a>                         | 1007                                    | 1134                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7500/7600 7500/7600 Dual</a> | 1002                                    | 1135                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 Athlon 3000G</a>                    | 1001                                    | 1136                      | NA                                    | NA                        |
| <a href="#">Radeon R7 340</a>                                 | 1000                                    | 1138                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M260X</a>                               | 1000                                    | 1137                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7500M/7600M Dual</a>         | 999                                     | 1141                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8570D + R7 200 Dual</a>                 | 999                                     | 1140                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8750M</a>                               | 999                                     | 1139                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8750M Dual</a>               | 996                                     | 1142                      | NA                                    | NA                        |
| <a href="#">Intel HD 530</a>                                  | 995                                     | 1143                      | NA                                    | NA                        |
| <a href="#">Quadro 3000M</a>                                  | 993                                     | 1144                      | <a href="#">14.20</a>                 | <a href="#">\$69.99*</a>  |
| <a href="#">Radeon R7 A265</a>                                | 993                                     | 1145                      | NA                                    | NA                        |
| <a href="#">FirePro V4900</a>                                 | 990                                     | 1146                      | <a href="#">6.60</a>                  | <a href="#">\$149.99*</a> |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
|--|---|---------------------------|---------------------------------------|----------------------------|
| <a href="#">Radeon HD 8690M</a>                                    | 984                                     | 1149                      | NA                                    | NA                         |
| <a href="#">Radeon R5 PRO A6-8570 R5, 8 COMPUTE CORES 2C+6G</a>    | 984                                     | 1148                      | NA                                    | NA                         |
| <a href="#">Radeon HD 7560D + 7560D Dual</a>                       | 982                                     | 1150                      | NA                                    | NA                         |
| <a href="#">Qualcomm Adreno 685 GPU</a>                            | 979                                     | 1151                      | NA                                    | NA                         |
| <a href="#">Quadro FX 4800</a>                                     | 978                                     | 1152                      | <a href="#">0.59</a>                  | <a href="#">\$1,660.61</a> |
| <a href="#">Radeon R5 A10-9630P 4C+6G</a>                          | 977                                     | 1153                      | NA                                    | NA                         |
| <a href="#">Quadro 2000D</a>                                       | 976                                     | 1154                      | <a href="#">1.71</a>                  | <a href="#">\$571.74</a>   |
| <a href="#">Radeon R7 A10-7890K</a>                                | 975                                     | 1155                      | NA                                    | NA                         |
| <a href="#">Radeon HD 8670D + 8570 Dual</a>                        | 974                                     | 1156                      | NA                                    | NA                         |
| <a href="#">Radeon HD 8850M</a>                                    | 973                                     | 1157                      | NA                                    | NA                         |
| <a href="#">Radeon R6 A10-9600P 4C+6G</a>                          | 970                                     | 1159                      | NA                                    | NA                         |
| <a href="#">Radeon R7 PRO A10-9700E</a>                            | 970                                     | 1158                      | <a href="#">1.84</a>                  | <a href="#">\$529.00*</a>  |
| <a href="#">Radeon R9 M375</a>                                     | 969                                     | 1160                      | NA                                    | NA                         |
| <a href="#">Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D</a> | 966                                     | 1161                      | NA                                    | NA                         |
| <a href="#">Radeon HD 6770M</a>                                    | 964                                     | 1162                      | NA                                    | NA                         |
| <a href="#">Radeon HD 8570D + R7 240 Dual</a>                      | 963                                     | 1163                      | NA                                    | NA                         |
| <a href="#">Radeon R7 A10-7850K</a>                                | 961                                     | 1164                      | NA                                    | NA                         |
| <a href="#">Radeon R7 PRO A12-9800E</a>                            | 957                                     | 1165                      | NA                                    | NA                         |
| <a href="#">Radeon R6 Opteron X3418</a>                            | 955                                     | 1166                      | NA                                    | NA                         |
| <a href="#">Radeon HD 8570 + HD 7660D Dual</a>                     | 949                                     | 1168                      | NA                                    | NA                         |
| <a href="#">Radeon HD 8670D + R7 200 Dual</a>                      | 949                                     | 1167                      | NA                                    | NA                         |
| <a href="#">FirePro M4150</a>                                      | 948                                     | 1169                      | NA                                    | NA                         |
| <a href="#">Quadro CX</a>  | 947                                     | 1170                      | <a href="#">6.32</a>                  | <a href="#">\$149.95*</a>  |
| <a href="#">Quadro 2000</a>  | 946                                     | 1171                      | <a href="#">4.44</a>                  | <a href="#">\$213.23*</a>  |
| <a href="#">Radeon HD 6670/7670</a>                                | 945                                     | 1172                      | NA                                    | NA                         |
| <a href="#">Radeon HD 7640G + 7690M Dual</a>                       | 945                                     | 1173                      | NA                                    | NA                         |
| <a href="#">Radeon R7 PRO A10-8850B</a>                            | 945                                     | 1174                      | NA                                    | NA                         |
| <a href="#">Radeon R7 M445</a>                                     | 943                                     | 1175                      | <a href="#">1.27</a>                  | <a href="#">\$744.00*</a>  |
| <a href="#">Radeon HD 8570</a>                                     | 942                                     | 1176                      | <a href="#">9.55</a>                  | <a href="#">\$98.68*</a>   |
| <a href="#">Radeon HD 7660D + R7 240 Dual</a>                      | 941                                     | 1177                      | NA                                    | NA                         |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
| <a href="#">Radeon HD 6750M</a>                                    | 937                                     | 1178                      | NA                                    | NA                         |
| <a href="#">Radeon HD 7560D + HD 8570 Dual</a>                     | 935                                     | 1179                      | NA                                    | NA                         |
| <a href="#">Radeon R5 340</a>                                      | 935                                     | 1180                      | NA                                    | NA                         |



## Video Card ▼

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 4850</a>                                     | 934                                     | 1182                      | <a href="#">6.68</a>                  | <a href="#">\$139.99*</a> |
| <a href="#">GeForce GT 645M</a>                                    | 933                                     | 1183                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + 7730M Dual</a>                       | 931                                     | 1184                      | NA                                    | NA                        |
| <a href="#">Radeon R7 240 + HD 8670D Dual</a>                      | 930                                     | 1185                      | NA                                    | NA                        |
| <a href="#">Radeon R5 A6-9500 RADEON R5, 8 COMPUTE CORES 2C+6G</a> | 928                                     | 1186                      | NA                                    | NA                        |
| <a href="#">GeForce GT 640M</a>                                    | 927                                     | 1187                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-7860K</a>                                | 927                                     | 1188                      | NA                                    | NA                        |
| <a href="#">Intel HD Graphics 620</a>                              | 926                                     | 1189                      | NA                                    | NA                        |
| <a href="#">Intel Iris Pro 6100</a>                                | 925                                     | 1191                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-9700 RADEON</a>                          | 925                                     | 1190                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-8870E</a>                            | 920                                     | 1192                      | NA                                    | NA                        |
| <a href="#">Radeon R7 240 + HD 8570D Dual</a>                      | 917                                     | 1193                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A10-8770</a>                             | 917                                     | 1194                      | NA                                    | NA                        |
| <a href="#">Radeon R5 430</a>                                      | 915                                     | 1195                      | <a href="#">15.52</a>                 | <a href="#">\$59.00*</a>  |
| <a href="#">Radeon R7 A12-9800E RADEON</a>                         | 913                                     | 1196                      | <a href="#">6.56</a>                  | <a href="#">\$139.19*</a> |
| <a href="#">GRID K220Q</a>   | 912                                     | 1198                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A8-8650</a>                                  | 912                                     | 1197                      | NA                                    | NA                        |
| <a href="#">GRID M6-0B</a>   | 911                                     | 1199                      | NA                                    | NA                        |
| <a href="#">Radeon 6750M</a>                                       | 911                                     | 1200                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4770</a>                                     | 909                                     | 1201                      | <a href="#">7.61</a>                  | <a href="#">\$119.49</a>  |
| <a href="#">Radeon HD 7690M</a>                                    | 909                                     | 1202                      | NA                                    | NA                        |
| <a href="#">Radeon RX Vega 6 Ryzen 3 3200U</a>                     | 906                                     | 1203                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-8870</a>                             | 904                                     | 1204                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 7600M Dual</a>                       | 901                                     | 1205                      | NA                                    | NA                        |
| <a href="#">Barco MXRT 2600</a>                                    | 900                                     | 1207                      | <a href="#">4.52</a>                  | <a href="#">\$199.00*</a> |
| <a href="#">Barco MXRT 7400</a>                                    | 900                                     | 1206                      | <a href="#">9.10</a>                  | <a href="#">\$99.00*</a>  |
| <a href="#">Radeon R7 240</a>                                      | 899                                     | 1209                      | <a href="#">10.64</a>                 | <a href="#">\$84.56*</a>  |
| <a href="#">Radeon R7 A10-9700E RADEON</a>                         | 899                                     | 1208                      | NA                                    | NA                        |
| <a href="#">Radeon 620</a>   | 897                                     | 1212                      | NA                                    | NA                        |
| <a href="#">Radeon R7 + R5 Dual</a>                                | 897                                     | 1211                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M440</a>                                     | 897                                     | 1210                      | NA                                    | NA                        |
| <a href="#">Intel Iris 6100</a>                                    | 895                                     | 1213                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A8-9600</a>                              | 893                                     | 1214                      | NA                                    | NA                        |
| <a href="#">7900 MOD - Radeon HD 6550D</a>                         | 892                                     | 1215                      | NA                                    | NA                        |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">Radeon R7 + R5 435 Dual A10-9700 RADEON</a> | 885                                     | 1217                      | NA                                    | NA                        |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 8650G + 7670M Dual</a>            | 883                                     | 1218                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7730M Dual</a>         | 881                                     | 1219                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-9800</a>                  | 877                                     | 1220                      | NA                                    | NA                        |
| <a href="#">Radeon E6760</a>                            | 876                                     | 1221                      | <a href="#">3.65</a>                  | <a href="#">\$239.99*</a> |
| <a href="#">Radeon R7 A8-7500</a>                       | 875                                     | 1222                      | NA                                    | NA                        |
| <a href="#">Intel UHD Graphics 617</a>                  | 874                                     | 1223                      | NA                                    | NA                        |
| <a href="#">GRID M10-0B</a>                             | 870                                     | 1224                      | NA                                    | NA                        |
| <a href="#">FirePro W2100</a>                           | 869                                     | 1226                      | <a href="#">14.73</a>                 | <a href="#">\$59.00*</a>  |
| <a href="#">Radeon R7 G</a>                             | 869                                     | 1225                      | NA                                    | NA                        |
| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon HD 8570D + HD 6570 Dual</a>          | 868                                     | 1227                      | NA                                    | NA                        |
| <a href="#">Intel HD 520</a>                            | 866                                     | 1228                      | NA                                    | NA                        |
| <a href="#">Intel HD 6000</a>                           | 866                                     | 1230                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4850</a>                 | 866                                     | 1229                      | NA                                    | NA                        |
| <a href="#">Radeon 520</a>                              | 864                                     | 1231                      | <a href="#">9.61</a>                  | <a href="#">\$89.99*</a>  |
| <a href="#">Radeon HD 8470D + HD 6450 Dual</a>          | 862                                     | 1232                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 Athlon 300U</a>               | 861                                     | 1233                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-8750</a>                      | 856                                     | 1234                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 Athlon Silver 3050U</a>       | 855                                     | 1235                      | NA                                    | NA                        |
| <a href="#">FirePro 3D V4800</a>                        | 853                                     | 1236                      | <a href="#">5.33</a>                  | <a href="#">\$159.99*</a> |
| <a href="#">Radeon R5 A6-9500 2C+6G</a>                 | 853                                     | 1237                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A8-7500 4C+6G</a>                 | 853                                     | 1238                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8500M/8700M</a>                   | 852                                     | 1239                      | NA                                    | NA                        |
| <a href="#">Radeon R5 435</a>                           | 850                                     | 1240                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A8-7670K</a>                      | 848                                     | 1241                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-8570 2C+6G</a>             | 847                                     | 1242                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 Ryzen 3 3200U</a>             | 846                                     | 1243                      | NA                                    | NA                        |
| <a href="#">FireGL V8600</a>                            | 838                                     | 1244                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8470D + 6570 Dual</a>             | 837                                     | 1245                      | NA                                    | NA                        |
| <a href="#">GeForce 920A</a>                            | 836                                     | 1247                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + R5 235 Dual</a>           | 836                                     | 1246                      | NA                                    | NA                        |
| <a href="#">GeForce GT 730</a>                          | 835                                     | 1249                      | <a href="#">7.60</a>                  | <a href="#">\$109.99*</a> |
| <a href="#">Radeon HD 4830</a>                          | 835                                     | 1248                      | <a href="#">13.93</a>                 | <a href="#">\$59.99*</a>  |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|  |     |      |                       |                           |
|--|-----|------|-----------------------|---------------------------|
| <a href="#">GeForce G1 b3b</a>                                     | 833 | 1251 | <a href="#">12.45</a> | <a href="#">\$66.94*</a>  |
| <a href="#">Radeon HD 7560D + 6570 Dual</a>                        | 833 | 1252 | NA                    | NA                        |
| <a href="#">Radeon HD 7520G + HD 7500/7600 Dual</a>                | 832 | 1253 | NA                    | NA                        |
| <a href="#">Radeon HD 7660G + 7600M Dual</a>                       | 831 | 1255 | NA                    | NA                        |
| <a href="#">Radeon HD 8650G + 8600/8700M Dual</a>                  | 831 | 1254 | NA                    | NA                        |
| <a href="#">Intel HD 5200</a>                                      | 830 | 1256 | NA                    | NA                        |
| <a href="#">Radeon R7 FX-8800P</a>                                 | 829 | 1257 | NA                    | NA                        |
| <a href="#">GRID M60-0Q</a>  | 827 | 1259 | NA                    | NA                        |
| <a href="#">Radeon R7 A10 PRO-7800B</a>                            | 827 | 1258 | NA                    | NA                        |
| <a href="#">Radeon R7 A8-7680</a>                                  | 826 | 1260 | NA                    | NA                        |
| <a href="#">Radeon R7 PRO A10-8770E</a>                            | 825 | 1261 | NA                    | NA                        |
| <a href="#">Quadro FX 3800</a>                                     | 824 | 1263 | <a href="#">3.18</a>  | <a href="#">\$259.13*</a> |
| <a href="#">Radeon HD 7640G N HD 7640G + HD 7600M N HD 7600M D</a> | 824 | 1264 | NA                    | NA                        |
| <a href="#">Radeon R7 A8-9600 RADEON</a>                           | 824 | 1262 | NA                    | NA                        |
| <a href="#">Radeon HD 3850 X2</a>                                  | 822 | 1266 | NA                    | NA                        |
| <a href="#">Radeon R7 A10 PRO-7850B</a>                            | 822 | 1265 | NA                    | NA                        |
| <a href="#">Radeon HD 7540D + 7500 Dual</a>                        | 821 | 1267 | NA                    | NA                        |
| <a href="#">Radeon HD 8550G + HD 8750M Dual</a>                    | 819 | 1269 | NA                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 7600M Dual</a>                    | 819 | 1268 | NA                    | NA                        |
| <a href="#">Radeon R7 A10 Extreme Edition</a>                      | 816 | 1271 | NA                    | NA                        |
| <a href="#">Radeon R7 M260DX</a>                                   | 816 | 1270 | NA                    | NA                        |
| <a href="#">GeForce GT 730M</a>                                    | 813 | 1273 | NA                    | NA                        |
| <a href="#">Radeon HD 7670</a>                                     | 813 | 1274 | NA                    | NA                        |
| <a href="#">Radeon R9 M280X</a>                                    | 813 | 1272 | NA                    | NA                        |
| <a href="#">GeForce GT 445M</a>                                    | 811 | 1276 | NA                    | NA                        |

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 8670D + 7000 Dual</a>                     | 811                                     | 1275                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-9500 R5, 8 COMPUTE CORES 2C+6G</a> | 809                                     | 1277                      | NA                                    | NA                        |
| <a href="#">Radeon HD 5670</a>                                  | 803                                     | 1278                      | <a href="#">8.27</a>                  | <a href="#">\$97.20</a>   |
| <a href="#">Radeon HD 8550G + 8600/8700M Dual</a>               | 802                                     | 1279                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 8790M Dual</a>                 | 799                                     | 1280                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6800M</a>                                 | 798                                     | 1281                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A10-9700</a>                          | 798                                     | 1282                      | NA                                    | NA                        |
| <a href="#">GeForce 9800 GX2</a>                                | 797                                     | 1283                      | <a href="#">4.09</a>                  | <a href="#">\$195.00*</a> |

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 8650G N HD 8650G + HD 8600/8/UUM Dual</a> | 796                                     | 1286                      | NA                                    | NA                        |
| <a href="#">Radeon R8 M445DX</a>                                | 796                                     | 1285                      | NA                                    | NA                        |
| <a href="#">GRID M10-0Q</a>                                     | 795                                     | 1288                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 8750M Dual</a>                    | 795                                     | 1287                      | NA                                    | NA                        |
| <a href="#">GeForce GT 740M</a>                                 | 794                                     | 1289                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M435</a>                                  | 789                                     | 1291                      | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 3 3250U</a>                            | 789                                     | 1290                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 8750M Dual</a>                    | 786                                     | 1292                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A8-7600</a>                               | 785                                     | 1293                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 Ryzen 3 3250U</a>                     | 783                                     | 1294                      | NA                                    | NA                        |
| <a href="#">GeForce 825M</a>                                    | 782                                     | 1295                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A365</a>                                  | 781                                     | 1297                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A6-9500 2C+6G</a>                     | 781                                     | 1296                      | NA                                    | NA                        |
| <a href="#">Quadro K1000M</a>                                   | 779                                     | 1298                      | <a href="#">11.14</a>                 | <a href="#">\$69.95*</a>  |
| <a href="#">Quadro 2000M</a>                                    | 778                                     | 1301                      | <a href="#">3.39</a>                  | <a href="#">\$229.74*</a> |
| <a href="#">Radeon HD 8730M</a>                                 | 778                                     | 1300                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-7700K</a>                             | 778                                     | 1299                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7700M Dual</a>                 | 777                                     | 1302                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7500M/7600M Dual</a>              | 775                                     | 1303                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7730M</a>                                 | 774                                     | 1304                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5000</a>                         | 773                                     | 1309                      | NA                                    | NA                        |
| <a href="#">Radeon 535DX</a>                                    | 773                                     | 1305                      | NA                                    | NA                        |
| <a href="#">Radeon Athlon Gold 3150U</a>                        | 773                                     | 1306                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600M + 7600M Dual</a>                    | 773                                     | 1307                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G N HD 8650G + HD 8570M Dual</a>      | 773                                     | 1308                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-8850</a>                              | 773                                     | 1310                      | NA                                    | NA                        |
| <a href="#">GeForce 730A</a>                                    | 770                                     | 1312                      | NA                                    | NA                        |
| <a href="#">GeForce GT 440</a>                                  | 770                                     | 1313                      | <a href="#">3.42</a>                  | <a href="#">\$225.00*</a> |
| <a href="#">Radeon R5 PRO A6-9500E 2C+4G</a>                    | 770                                     | 1311                      | NA                                    | NA                        |
| <a href="#">GeForce 9800 GTX</a>                                | 769                                     | 1315                      | <a href="#">10.26</a>                 | <a href="#">\$74.99*</a>  |
| <a href="#">Radeon HD 4810</a>                                  | 769                                     | 1314                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A10-8750B</a>                         | 767                                     | 1316                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M270</a>                                  | 766                                     | 1317                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5850</a>                         | 763                                     | 1319                      | NA                                    | NA                        |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

## Video Card ▼

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|--|-----|------|----|----|
| <a href="#">Radeon HD 6450 + 84/00 Dual</a>                | 762 | 1320 | NA | NA |
| <a href="#">Radeon HD 7660G + HD 7500/7600 Dual</a>        | 760 | 1321 | NA | NA |
| <a href="#">Radeon HD 7660G + HD 8500M Dual</a>            | 758 | 1322 | NA | NA |
| <a href="#">Radeon HD 7660G + 7700M Dual</a>               | 757 | 1324 | NA | NA |
| <a href="#">Radeon HD 8650G + HD 8600M N HD 8600M Dual</a> | 757 | 1323 | NA | NA |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Quadro 1100M</a>                                       | 755                                     | 1325                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7450M Dual</a>                       | 754                                     | 1326                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6650M</a>                                    | 753                                     | 1328                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8570D + HD 7000 Dual</a>                     | 753                                     | 1327                      | NA                                    | NA                        |
| <a href="#">Radeon R5 A10-9630P RADEON R5, 10 COMPUTE CORES 4C</a> | 750                                     | 1330                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M365X</a>                                    | 750                                     | 1329                      | NA                                    | NA                        |
| <a href="#">Incredible HD 4600</a>                                 | 749                                     | 1331                      | NA                                    | NA                        |
| <a href="#">Radeon M535DX</a>                                      | 749                                     | 1332                      | NA                                    | NA                        |
| <a href="#">Qualcomm Adreno 7c Gen 3 GPU</a>                       | 748                                     | 1333                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7650M Dual</a>                       | 747                                     | 1334                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 8600/8700M Dual</a>               | 747                                     | 1335                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + R5 330 Dual</a>                      | 746                                     | 1336                      | NA                                    | NA                        |
| <a href="#">Intel Iris 5100</a>                                    | 745                                     | 1339                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + 7610M Dual</a>                       | 745                                     | 1337                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A8-7650K</a>                                 | 745                                     | 1338                      | NA                                    | NA                        |
| <a href="#">Quadro K420</a>  | 744                                     | 1340                      | <a href="#">2.77</a>                  | <a href="#">\$269.00*</a> |
| <a href="#">Radeon HD 7660G + 7670M Dual</a>                       | 743                                     | 1342                      | NA                                    | NA                        |
| <a href="#">Radeon R5 235 + HD 7560D Dual</a>                      | 743                                     | 1341                      | NA                                    | NA                        |
| <a href="#">GeForce GT 730A</a>                                    | 742                                     | 1343                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 7600M Dual</a>                       | 741                                     | 1344                      | NA                                    | NA                        |
| <a href="#">GeForce GT 340</a>                                     | 738                                     | 1346                      | <a href="#">13.93</a>                 | <a href="#">\$52.99*</a>  |
| <a href="#">Intel Poison Ivy</a>                                   | 738                                     | 1345                      | NA                                    | NA                        |
| <a href="#">Quadro K600</a>  | 738                                     | 1348                      | <a href="#">12.25</a>                 | <a href="#">\$60.24*</a>  |
| <a href="#">Radeon HD 7670M + 7670M Dual</a>                       | 738                                     | 1347                      | NA                                    | NA                        |
| <a href="#">Radeon R5 235 + HD 8570D Dual</a>                      | 737                                     | 1349                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 Ryzen Embedded R1505G</a>                | 736                                     | 1350                      | NA                                    | NA                        |
| <a href="#">Intel UHD Graphics 615</a>                             | 735                                     | 1351                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A12-9720P RADEON</a>                         | 734                                     | 1352                      | <a href="#">2.01</a>                  | <a href="#">\$365.48*</a> |



| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
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 **Video Card** ▼

|  |     |      |                       |                           |
|--|-----|------|-----------------------|---------------------------|
| <a href="#">Radeon R5 A10-9620P 4C+6G</a>                          | 731 | 1354 | NA                    | NA                        |
| <a href="#">Radeon R7 A12-9700P RADEON</a>                         | 730 | 1355 | <a href="#">1.68</a>  | <a href="#">\$435.92*</a> |
| <a href="#">Radeon HD 7550M/7650M</a>                              | 728 | 1356 | NA                    | NA                        |
| <a href="#">GRID K140Q</a>   | 727 | 1357 | NA                    | NA                        |
| <a href="#">Radeon HD 6670</a>                                     | 727 | 1358 | <a href="#">10.54</a> | <a href="#">\$68.99*</a>  |
| <a href="#">Radeon R5 A6-9500E RADEON R5, 6 COMPUTE CORES 2C+4</a> | 726 | 1359 | NA                    | NA                        |
| <a href="#">Mi Pad 5 Adreno 640 GPU</a>                            | 722 | 1362 | NA                    | NA                        |
| <a href="#">Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D</a> | 722 | 1360 | NA                    | NA                        |
| <a href="#">Radeon HD 8650G + R5 M200 Dual</a>                     | 722 | 1361 | NA                    | NA                        |
| <a href="#">GeForce 920M</a>                                       | 721 | 1363 | NA                    | NA                        |
| <a href="#">Asus GTX 650 FML II EC-EGPU</a>                        | 720 | 1364 | NA                    | NA                        |
| <a href="#">Mobility Radeon HD 4870</a>                            | 719 | 1365 | NA                    | NA                        |
| <a href="#">Radeon HD 7540D + 6570 Dual</a>                        | 719 | 1366 | NA                    | NA                        |
| <a href="#">Radeon HD 8670D + HD 7000 Dual</a>                     | 718 | 1368 | NA                    | NA                        |
| <a href="#">Radeon R7 PRO A8-8650B</a>                             | 718 | 1367 | NA                    | NA                        |
| <a href="#">Radeon HD 8470D + 6450 Dual</a>                        | 717 | 1369 | NA                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 8570M Dual</a>                    | 716 | 1371 | NA                    | NA                        |
| <a href="#">Radeon R7 A10-7800</a>                                 | 716 | 1370 | NA                    | NA                        |
| <a href="#">Intel UHD Graphics 610</a>                             | 712 | 1372 | NA                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 8670M Dual</a>                    | 711 | 1373 | NA                    | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Intel HD 615</a>                                       | 708                                     | 1374                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3870 X2</a>                                  | 708                                     | 1375                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6550A</a>                                    | 707                                     | 1376                      | NA                                    | NA                        |
| <a href="#">GeForce GT 640M LE</a>                                 | 706                                     | 1378                      | <a href="#">0.83</a>                  | <a href="#">\$849.99*</a> |
| <a href="#">Radeon HD 7660G + HD 7670M Dual</a>                    | 706                                     | 1377                      | NA                                    | NA                        |
| <a href="#">Radeon R7 FX-9800P RADEON</a>                          | 706                                     | 1379                      | <a href="#">1.33</a>                  | <a href="#">\$530.00*</a> |
| <a href="#">Radeon HD 7640G + 7600M Dual</a>                       | 705                                     | 1380                      | NA                                    | NA                        |
| <a href="#">Radeon R5 A10-9600P RADEON R5, 10 COMPUTE CORES 4C</a> | 705                                     | 1381                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 7600M Dual</a>                    | 704                                     | 1383                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G N HD 7660G + HD 7670M Dual</a>         | 704                                     | 1382                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-9800B</a>                            | 702                                     | 1384                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7570M/HD 7670M</a>                           | 699                                     | 1386                      | NA                                    | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon R5 A6-748U</a>                                  | 698                                     | 1387                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A10-8730B 4C+6G</a>                      | 695                                     | 1388                      | NA                                    | NA                        |
| <a href="#">NVS 510</a>  | 694                                     | 1389                      | <a href="#">6.20</a>                  | <a href="#">\$111.99*</a> |
| <a href="#">Radeon R5 PRO A6-9500B 2C+4G</a>                       | 693                                     | 1390                      | NA                                    | NA                        |
| <a href="#">Radeon Athlon Silver 3050U</a>                         | 692                                     | 1391                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7700M Dual</a>                       | 690                                     | 1392                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-8530B 2C+4G</a>                       | 689                                     | 1394                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-8570E R5, 6 COMPUTE CORES 2C+4G</a>   | 689                                     | 1393                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 8600/8700M Dual</a>                  | 688                                     | 1395                      | NA                                    | NA                        |
| <a href="#">Intel HD 610</a>                                       | 687                                     | 1396                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + R5 M230 Dual</a>                     | 686                                     | 1397                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6630M</a>                                    | 684                                     | 1398                      | NA                                    | NA                        |
| <a href="#">GRID P40-3Q</a>  | 681                                     | 1399                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G N HD 7640G + HD 7670M Dual</a>         | 679                                     | 1401                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D</a> | 679                                     | 1400                      | NA                                    | NA                        |
| <a href="#">GeForce GTS 160M</a>                                   | 678                                     | 1402                      | NA                                    | NA                        |
| <a href="#">GeForce GT 630</a>                                     | 677                                     | 1403                      | <a href="#">4.61</a>                  | <a href="#">\$147.01*</a> |
| <a href="#">Radeon HD 7640G + HD 8670M Dual</a>                    | 677                                     | 1404                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 Athlon 320GE</a>                         | 677                                     | 1405                      | NA                                    | NA                        |
| <a href="#">Quadro FX 4700 X2</a>                                  | 676                                     | 1407                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + R5 M200 Dual</a>                     | 676                                     | 1406                      | NA                                    | NA                        |
| <a href="#">Radeon R8 M535DX</a>                                   | 670                                     | 1408                      | NA                                    | NA                        |
| <a href="#">GeForce GT 740A</a>                                    | 667                                     | 1409                      | NA                                    | NA                        |
| <a href="#">GeForce GT 530</a>                                     | 666                                     | 1411                      | <a href="#">13.60</a>                 | <a href="#">\$49.00*</a>  |
| <a href="#">Radeon R7 A8 PRO-7600B</a>                             | 666                                     | 1410                      | NA                                    | NA                        |
| <a href="#">FirePro M7740</a>                                      | 665                                     | 1414                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8500M N HD 8500M Dual</a>         | 665                                     | 1413                      | NA                                    | NA                        |
| <a href="#">Radeon R5 A10-9620P RADEON R5, 10 COMPUTE CORES 4C</a> | 665                                     | 1412                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 8690M Dual</a>                       | 664                                     | 1415                      | NA                                    | NA                        |
| <a href="#">FireGL V7700</a>                                       | 660                                     | 1416                      | <a href="#">9.43</a>                  | <a href="#">\$69.99*</a>  |
| <a href="#">Radeon HD 2900 XT</a>                                  | 659                                     | 1417                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A8-9600B 4C+6G</a>                       | 658                                     | 1418                      | NA                                    | NA                        |
| <a href="#">GeForce GT 140</a>                                     | 657                                     | 1419                      | NA                                    | NA                        |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
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 **Video Card** ▼

| <a href="#">GeForce G1 555M</a>                      | 654                                     | 1425                      | <a href="#">3.69</a>                  | <a href="#">\$177.20*</a> |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 7640G + 8750M Dual</a>         | 654                                     | 1421                      | NA                                    | NA                        |
| Videocard Name                                       | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon HD 8550G + HD 8600/8700M Dual</a> | 654                                     | 1422                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 8570M Dual</a>         | 654                                     | 1424                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M340</a>                       | 654                                     | 1423                      | NA                                    | NA                        |
| <a href="#">GeForce GTS 360M</a>                     | 653                                     | 1426                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + HD 8750M Dual</a>      | 651                                     | 1428                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 8750M Dual</a>      | 651                                     | 1427                      | NA                                    | NA                        |
| <a href="#">GRID K1</a>                              | 650                                     | 1429                      | <a href="#">1.65</a>                  | <a href="#">\$395.00*</a> |
| <a href="#">SUMO 9640</a>                            | 650                                     | 1430                      | NA                                    | NA                        |
| <a href="#">GeForce GT 735M</a>                      | 648                                     | 1432                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M430</a>                       | 648                                     | 1431                      | NA                                    | NA                        |
| <a href="#">FireStream 9170</a>                      | 647                                     | 1434                      | NA                                    | NA                        |
| <a href="#">Radeon R8 M365DX</a>                     | 647                                     | 1433                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6670 + 6670 Dual</a>           | 646                                     | 1435                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + HD 8500M Dual</a>      | 645                                     | 1436                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7670M Dual</a>         | 644                                     | 1437                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7540D + HD 6450 Dual</a>       | 643                                     | 1438                      | NA                                    | NA                        |
| <a href="#">GeForce 8800 Ultra</a>                   | 642                                     | 1439                      | <a href="#">1.04</a>                  | <a href="#">\$619.99</a>  |
| <a href="#">Quadro K510M</a>                         | 641                                     | 1440                      | NA                                    | NA                        |
| <a href="#">FirePro V3900</a>                        | 640                                     | 1441                      | <a href="#">2.69</a>                  | <a href="#">\$238.44*</a> |
| <a href="#">Radeon HD 7640G + 7400M Dual</a>         | 637                                     | 1443                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8450G + 8750M Dual</a>         | 637                                     | 1444                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-8570E 2C+4G</a>         | 637                                     | 1442                      | NA                                    | NA                        |
| <a href="#">GeForce GTX 285M</a>                     | 636                                     | 1445                      | NA                                    | NA                        |
| <a href="#">GeForce 9800 S</a>                       | 635                                     | 1446                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 8670M Dual</a>         | 635                                     | 1447                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 7670M Dual</a>      | 634                                     | 1448                      | NA                                    | NA                        |
| <a href="#">Intel HD P4600/P4700</a>                 | 633                                     | 1449                      | NA                                    | NA                        |
| <a href="#">Radeon HD 5600/5700</a>                  | 633                                     | 1451                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + HD 7000 Dual</a>       | 633                                     | 1450                      | NA                                    | NA                        |
| <a href="#">Intel HD 515</a>                         | 632                                     | 1452                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7610M</a>                      | 632                                     | 1453                      | NA                                    | NA                        |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
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 **Video Card** ▼

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|---|-----|------|----------------------|---------------------------|
| <a href="#">Radeon HD 7660G + 7470M Dual</a>          | 630 | 1455 | NA                   | NA                        |
| <a href="#">Radeon HD 8510G + HD 8500M Dual</a>       | 629 | 1456 | NA                   | NA                        |
| <a href="#">GeForce GT 710</a>                        | 628 | 1457 | <a href="#">2.51</a> | <a href="#">\$249.99*</a> |
| <a href="#">GRID K160Q</a>                            | 628 | 1460 | NA                   | NA                        |
| <a href="#">Intel HD 4600</a>                         | 628 | 1458 | NA                   | NA                        |
| <a href="#">Radeon R7 PRO A10-9700B</a>               | 628 | 1459 | NA                   | NA                        |
| <a href="#">Radeon HD 2900 PRO</a>                    | 627 | 1461 | NA                   | NA                        |
| <a href="#">Radeon HD 7640G + 7500/7600 Dual</a>      | 627 | 1462 | NA                   | NA                        |
| <a href="#">Radeon HD 8650G + 8500M Dual</a>          | 626 | 1463 | NA                   | NA                        |
| <a href="#">NVS 5400M</a>                             | 625 | 1464 | NA                   | NA                        |
| <a href="#">Radeon HD 7520G + HD 8600/8700M Dual</a>  | 623 | 1465 | NA                   | NA                        |
| <a href="#">Intel HD 510</a>                          | 622 | 1466 | NA                   | NA                        |
| <a href="#">Radeon HD 7640G + HD 7400M Dual</a>       | 621 | 1467 | NA                   | NA                        |
| <a href="#">Radeon HD 8570 + 8670D Dual</a>           | 620 | 1468 | NA                   | NA                        |
| <a href="#">Intel HD 4600 manual-gen9_2015-134121</a> | 619 | 1469 | NA                   | NA                        |
| <a href="#">Radeon HD 8550G + R5 M200 Dual</a>        | 619 | 1470 | NA                   | NA                        |
| <a href="#">Radeon R5 A10-9600P 4C+6G</a>             | 619 | 1472 | NA                   | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon R6</a>  | 619                                     | 1471                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 8600M Dual</a>                       | 617                                     | 1473                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7500G + 7500M/7600M Dual</a>                 | 616                                     | 1474                      | NA                                    | NA                        |
| <a href="#">FireGL V7600</a>                                       | 615                                     | 1475                      | NA                                    | NA                        |
| <a href="#">GeForce 720A</a>                                       | 614                                     | 1477                      | NA                                    | NA                        |
| <a href="#">Intel UHD 630</a>                                      | 614                                     | 1476                      | NA                                    | NA                        |
| <a href="#">GeForce GT 720</a>                                     | 613                                     | 1479                      | <a href="#">6.13</a>                  | <a href="#">\$99.99*</a>  |
| <a href="#">Radeon HD 8650G + 8600M Dual</a>                       | 613                                     | 1478                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7570</a>                                     | 612                                     | 1480                      | <a href="#">5.98</a>                  | <a href="#">\$102.49*</a> |
| <a href="#">Radeon R5 PRO A10-8730B R5, 10 COMPUTE CORES 4C+6G</a> | 612                                     | 1481                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G N HD 8550G + HD 8600M N HD 8600M D</a> | 611                                     | 1482                      | NA                                    | NA                        |
| <a href="#">7900 MOD - Radeon HD 6520G</a>                         | 610                                     | 1483                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + 8500M Dual</a>                       | 610                                     | 1484                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8500M Dual</a>                    | 607                                     | 1486                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A360</a>                                     | 607                                     | 1485                      | NA                                    | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 8650G + HD 8600M Dual</a>                    | 606                                     | 1488                      | NA                                    | NA                        |
| <a href="#">Radeon R5 A6-9400 RADEON R5, 6 COMPUTE CORES 2C+4G</a> | 605                                     | 1490                      | NA                                    | NA                        |
| <a href="#">Radeon R6 M255DX</a>                                   | 605                                     | 1489                      | NA                                    | NA                        |
| <a href="#">Intel HD P4600</a>                                     | 604                                     | 1491                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 8500M Dual</a>                       | 602                                     | 1492                      | NA                                    | NA                        |
| <a href="#">GeForce 910M</a>                                       | 601                                     | 1493                      | NA                                    | NA                        |
| <a href="#">GeForce GT 430</a>                                     | 599                                     | 1495                      | <a href="#">4.28</a>                  | <a href="#">\$139.99*</a> |
| <a href="#">Radeon HD 8610G + 8670M Dual</a>                       | 599                                     | 1494                      | NA                                    | NA                        |
| <a href="#">GeForce GTS 250</a>                                    | 597                                     | 1496                      | <a href="#">6.95</a>                  | <a href="#">\$86.06*</a>  |
| <a href="#">Matrox C420 LP PCIe x16</a>                            | 597                                     | 1499                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-8800B</a>                            | 597                                     | 1497                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 Athlon Gold 3150U</a>                    | 597                                     | 1498                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8510G + 8500M Dual</a>                       | 596                                     | 1500                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7470M Dual</a>                       | 595                                     | 1502                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M330</a>                                     | 595                                     | 1501                      | NA                                    | NA                        |
| <a href="#">Qualcomm Adreno 7c+ Gen 3</a>                          | 594                                     | 1503                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + HD 8600M Dual</a>                    | 593                                     | 1505                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-8830B</a>                            | 593                                     | 1504                      | NA                                    | NA                        |
| <a href="#">Surface Duo Adreno 640 GPU</a>                         | 592                                     | 1506                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7600M Dual</a>                       | 591                                     | 1507                      | NA                                    | NA                        |
| <a href="#">GeForce 8800 GTX</a>                                   | 590                                     | 1509                      | <a href="#">4.92</a>                  | <a href="#">\$119.99*</a> |
| <a href="#">Radeon R6 PRO A8-8600B R6, 10 Compute Cores 4C+6G</a>  | 590                                     | 1508                      | NA                                    | NA                        |
| <a href="#">Intel HD 5500</a>                                      | 589                                     | 1510                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 7700M Dual</a>                    | 589                                     | 1511                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7610M Dual</a>                       | 588                                     | 1513                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + 7400M Dual</a>                       | 588                                     | 1514                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + 8600M Dual</a>                       | 588                                     | 1512                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + 8670M Dual</a>                       | 587                                     | 1515                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8600/8700M Dual</a>               | 586                                     | 1516                      | NA                                    | NA                        |
| <a href="#">Radeon R5 A6-8500P</a>                                 | 586                                     | 1517                      | NA                                    | NA                        |
| <a href="#">Intel HD 5000</a>                                      | 585                                     | 1521                      | <a href="#">0.94</a>                  | <a href="#">\$625.00*</a> |
| <a href="#">Quadro FX 3800M</a>                                    | 585                                     | 1519                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 8500M Dual</a>                       | 585                                     | 1518                      | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |



## Video Card ▼

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 7520G + 7500/7600 Dual</a>                    | 582                                     | 1522                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 8670M Dual</a>                        | 579                                     | 1523                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8450G + R5 M230 Dual</a>                      | 578                                     | 1524                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7620G + 8670M Dual</a>                        | 577                                     | 1526                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + HD 8670M Dual</a>                     | 577                                     | 1525                      | NA                                    | NA                        |
| <a href="#">Intel Skylake HD DT GT2</a>                             | 576                                     | 1527                      | NA                                    | NA                        |
| <a href="#">Radeon R5 A240</a>                                      | 576                                     | 1528                      | NA                                    | NA                        |
| <a href="#">GeForce GTX 280M</a>                                    | 575                                     | 1529                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + HD 7700M Dual</a>                     | 574                                     | 1530                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G N HD 7520G + HD 7500/7600 7500/7600</a> | 574                                     | 1532                      | NA                                    | NA                        |
| <a href="#">Radeon R5 420</a>                                       | 574                                     | 1531                      | <a href="#">14.39</a>                 | <a href="#">\$39.95*</a>  |
| <a href="#">GeForce GT 550M</a>                                     | 573                                     | 1534                      | NA                                    | NA                        |
| <a href="#">GeForce GT 720A</a>                                     | 573                                     | 1533                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M360</a>                                      | 572                                     | 1535                      | NA                                    | NA                        |
| <a href="#">Quadro 500M</a>   | 570                                     | 1536                      | <a href="#">2.07</a>                  | <a href="#">\$275.14*</a> |
| <a href="#">Radeon R6 + R7 M265DX Dual</a>                          | 570                                     | 1537                      | NA                                    | NA                        |
| <a href="#">Quadro 1000M</a>  | 569                                     | 1538                      | <a href="#">10.45</a>                 | <a href="#">\$54.50*</a>  |
| <a href="#">Radeon HD 7650A</a>                                     | 569                                     | 1539                      | <a href="#">2.17</a>                  | <a href="#">\$262.00*</a> |
| <a href="#">GeForce 8800 GTS 512</a>                                | 568                                     | 1543                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + 6450 Dual</a>                         | 568                                     | 1541                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7600M Dual</a>                     | 568                                     | 1542                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 3020e</a>                                 | 568                                     | 1540                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550D</a>                                     | 566                                     | 1544                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6610M</a>                                     | 565                                     | 1545                      | NA                                    | NA                        |
| <a href="#">Radeon R7E</a>  | 564                                     | 1546                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + R5 235 Dual</a>                       | 563                                     | 1547                      | NA                                    | NA                        |
| <a href="#">GeForce GT 820M</a>                                     | 562                                     | 1548                      | NA                                    | NA                        |
| <a href="#">GeForce GT 635M</a>                                     | 559                                     | 1549                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + R5 M200 Dual</a>                      | 559                                     | 1550                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 8570M Dual</a>                        | 558                                     | 1553                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 8670M Dual</a>                        | 558                                     | 1552                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + HD 8500M Dual</a>                     | 558                                     | 1551                      | NA                                    | NA                        |
| <a href="#">GeForce GTS 240</a>                                     | 556                                     | 1554                      | <a href="#">8.56</a>                  | <a href="#">\$64.99*</a>  |
| <a href="#">GeForce 820A</a>  | 555                                     | 1555                      | NA                                    | NA                        |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|   |     |      |                      |                           |
|---|-----|------|----------------------|---------------------------|
| <a href="#">Radeon HD 3870</a>                                    | 555 | 1557 | <a href="#">2.42</a> | <a href="#">\$229.99*</a> |
| <a href="#">GeForce 9800M GS</a>                                  | 554 | 1558 | NA                   | NA                        |
| <a href="#">GF117</a>   | 554 | 1559 | NA                   | NA                        |
| <a href="#">GeForce GTS 250M</a>                                  | 553 | 1560 | NA                   | NA                        |
| <a href="#">Radeon R5 PRO A8-9600B R5, 10 COMPUTE CORES 4C+6G</a> | 553 | 1561 | NA                   | NA                        |
| <a href="#">Radeon R7 7850A10-7850K</a>                           | 551 | 1562 | NA                   | NA                        |
| <a href="#">FireGL V8650</a>                                      | 550 | 1564 | <a href="#">1.84</a> | <a href="#">\$298.99*</a> |
| <a href="#">Radeon HD 6570</a>                                    | 550 | 1563 | <a href="#">8.47</a> | <a href="#">\$64.99*</a>  |
| <a href="#">Radeon R5 M335</a>                                    | 548 | 1565 | NA                   | NA                        |
| <a href="#">Mobility Radeon HD 3870</a>                           | 547 | 1567 | NA                   | NA                        |
| <a href="#">Radeon HD 8550G + HD 7600M Dual</a>                   | 547 | 1566 | NA                   | NA                        |
| <a href="#">FirePro 3D V5700</a>                                  | 546 | 1568 | <a href="#">1.71</a> | <a href="#">\$319.99*</a> |
| <a href="#">Radeon HD 8550G + HD 8670M Dual</a>                   | 546 | 1569 | NA                   | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">FirePro 3D V7750</a>                                   | 545                                     | 1572                      | <a href="#">1.56</a>                  | <a href="#">\$350.00*</a> |
| <a href="#">Radeon HD 8450G + 8600M Dual</a>                       | 545                                     | 1571                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M265</a>                                     | 545                                     | 1570                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + HD 7400M Dual</a>                    | 544                                     | 1573                      | NA                                    | NA                        |
| <a href="#">Radeon R5 240</a>                                      | 544                                     | 1574                      | <a href="#">6.41</a>                  | <a href="#">\$85.00*</a>  |
| <a href="#">Quadro FX 2700</a>                                     | 543                                     | 1576                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G + HD 8670M Dual</a>                    | 543                                     | 1575                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7470M Dual</a>                       | 542                                     | 1577                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 2 Athlon Silver 3050U</a>                  | 542                                     | 1578                      | NA                                    | NA                        |
| <a href="#">Radeon R6 A10-8700P</a>                                | 541                                     | 1579                      | NA                                    | NA                        |
| <a href="#">GeForce GT 630M</a>                                    | 539                                     | 1582                      | NA                                    | NA                        |
| <a href="#">Qualcomm Adreno 675 GPU</a>                            | 539                                     | 1581                      | NA                                    | NA                        |
| <a href="#">Radeon R6 PRO A10-8700B R6, 10 Compute Cores 4C+6G</a> | 539                                     | 1580                      | NA                                    | NA                        |
| <a href="#">Radeon R6 PRO A10-8700B 4C+6G</a>                      | 538                                     | 1583                      | NA                                    | NA                        |
| <a href="#">GeForce GT 435M</a>                                    | 535                                     | 1584                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + HD 7000 Dual</a>                     | 534                                     | 1586                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M255</a>                                     | 534                                     | 1585                      | NA                                    | NA                        |
| <a href="#">GRID K180Q</a>   | 533                                     | 1587                      | NA                                    | NA                        |
| <a href="#">Quadro 600</a>   | 532                                     | 1589                      | <a href="#">7.01</a>                  | <a href="#">\$76.00*</a>  |
| <a href="#">Radeon HD 8550G + 8570M Dual</a>                       | 532                                     | 1588                      | NA                                    | NA                        |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">Radeon R6 PRO A8-8600B 4C+6G</a>               | 531                                     | 1590                      | NA                                    | NA                        |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 8550G + HD 8570M Dual</a>            | 529                                     | 1593                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D</a>                            | 529                                     | 1592                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5570</a>                    | 527                                     | 1594                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G N HD 7600G + HD ON HD Dual</a> | 526                                     | 1596                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 6400M Dual</a>               | 526                                     | 1595                      | NA                                    | NA                        |
| <a href="#">Quadro FX 5600</a>                             | 525                                     | 1597                      | <a href="#">1.78</a>                  | <a href="#">\$295.00*</a> |
| <a href="#">Radeon 6600M</a>                               | 524                                     | 1598                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G</a>                            | 524                                     | 1599                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7670M Dual</a>               | 523                                     | 1601                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + R5 235 Dual</a>              | 523                                     | 1600                      | NA                                    | NA                        |
| <a href="#">GeForce GT 425M</a>                            | 522                                     | 1603                      | NA                                    | NA                        |
| <a href="#">Intel HD 4400</a>                              | 522                                     | 1602                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8670M</a>                            | 520                                     | 1605                      | NA                                    | NA                        |
| <a href="#">Radeon R5 330</a>                              | 520                                     | 1604                      | <a href="#">1.53</a>                  | <a href="#">\$339.99*</a> |
| <a href="#">Radeon HD 7640G + HD 7670M Dual</a>            | 518                                     | 1606                      | NA                                    | NA                        |
| <a href="#">Incredible HD 4000</a>                         | 517                                     | 1607                      | NA                                    | NA                        |
| <a href="#">Intel HD P4000</a>                             | 516                                     | 1608                      | NA                                    | NA                        |
| <a href="#">GeForce 615</a>                                | 514                                     | 1609                      | NA                                    | NA                        |
| <a href="#">NVS 5200M</a>                                  | 512                                     | 1610                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4830</a>                    | 511                                     | 1611                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7610M Dual</a>               | 510                                     | 1612                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G + HD 7550M Dual</a>            | 509                                     | 1613                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7620G + 8600M Dual</a>               | 508                                     | 1614                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-8500B 2C+4G</a>               | 508                                     | 1615                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7620G + HD 8670M Dual</a>            | 507                                     | 1616                      | NA                                    | NA                        |
| <a href="#">GeForce GT 240</a>                             | 506                                     | 1618                      | <a href="#">3.15</a>                  | <a href="#">\$160.97*</a> |
| <a href="#">Mobility Radeon HD 5730</a>                    | 506                                     | 1617                      | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon Vega 2</a>                              | 506                                     | 1619                      | NA                                    | NA                        |
| <a href="#">GeForce GTS 150M</a>                           | 504                                     | 1620                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D</a>                            | 503                                     | 1622                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8450G + HD 8750M Dual</a>            | 503                                     | 1621                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8690A</a>                            | 501                                     | 1623                      | NA                                    | NA                        |



| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon R7 M26U</a>                                   | 498                                     | 1626                      | <a href="#">0.62</a>                  | <a href="#">\$799.00*</a> |
| <a href="#">Radeon R7 M265DX</a>                                 | 498                                     | 1625                      | NA                                    | NA                        |
| <a href="#">TRINITY SCRAPPER MOBILE</a>                          | 498                                     | 1627                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7500G + 7550M Dual</a>                     | 497                                     | 1629                      | NA                                    | NA                        |
| <a href="#">SUMO 964A</a>  | 497                                     | 1628                      | NA                                    | NA                        |
| <a href="#">ASUS EAH4870x2</a>                                   | 496                                     | 1630                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + HD 7670M Dual</a>                  | 495                                     | 1631                      | NA                                    | NA                        |
| <a href="#">GeForce 820M</a>                                     | 494                                     | 1632                      | NA                                    | NA                        |
| <a href="#">GeForce 9800 GTX+</a>                                | 494                                     | 1633                      | NA                                    | NA                        |
| <a href="#">Radeon HD8530M</a>                                   | 490                                     | 1634                      | NA                                    | NA                        |
| <a href="#">GeForce 9600 GT</a>                                  | 488                                     | 1636                      | <a href="#">7.51</a>                  | <a href="#">\$64.99*</a>  |
| <a href="#">Radeon HD 8670D N HD 8670D + HD 8670D Dual</a>       | 488                                     | 1635                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + R5 M230 Dual</a>                   | 487                                     | 1637                      | NA                                    | NA                        |
| <a href="#">Radeon R4E</a>                                       | 487                                     | 1638                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7400M Dual</a>                     | 486                                     | 1639                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M420</a>                                   | 486                                     | 1640                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + HD 8600M Dual</a>                  | 480                                     | 1641                      | NA                                    | NA                        |
| <a href="#">GeForce 8800 GT</a>                                  | 478                                     | 1644                      | <a href="#">2.12</a>                  | <a href="#">\$226.25</a>  |
| <a href="#">GeForce GT 540M</a>                                  | 478                                     | 1645                      | <a href="#">5.44</a>                  | <a href="#">\$87.95*</a>  |
| <a href="#">GeForce GT 625M</a>                                  | 478                                     | 1643                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5000 Serisi</a>                   | 478                                     | 1642                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-8500B R5, 6 Compute Cores 2C+4G</a> | 478                                     | 1646                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3870 X2</a>                       | 477                                     | 1647                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8450G + HD 8670M Dual</a>                  | 477                                     | 1648                      | NA                                    | NA                        |
| <a href="#">GeForce 800A</a>                                     | 476                                     | 1652                      | NA                                    | NA                        |
| <a href="#">Radeon HD 5570</a>                                   | 476                                     | 1650                      | <a href="#">2.49</a>                  | <a href="#">\$191.48</a>  |
| <a href="#">Radeon HD 7600G + HD 7500M/7600M Dual</a>            | 476                                     | 1651                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G</a>                                  | 476                                     | 1649                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8570M Dual</a>                  | 474                                     | 1655                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8450G + 8670M Dual</a>                     | 474                                     | 1654                      | NA                                    | NA                        |
| <a href="#">Radeon R6 A8-8600P</a>                               | 474                                     | 1653                      | NA                                    | NA                        |
| <a href="#">GeForce 710A</a>                                     | 473                                     | 1657                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M315</a>                                   | 473                                     | 1656                      | NA                                    | NA                        |
| <a href="#">FirePro 3D V3800</a>                                 | 472                                     | 1659                      | <a href="#">3.15</a>                  | <a href="#">\$149.99*</a> |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------|--------------------------------------|------------------------|------------------------------------|-------------|
|----------------|--------------------------------------|------------------------|------------------------------------|-------------|

 **Video Card** ▼

|   |     |      |                      |                           |
|---|-----|------|----------------------|---------------------------|
| <a href="#">Radeon HD 8570D + R5 235 Dual</a> | 470 | 1660 | NA                   | NA                        |
| <a href="#">Quadro FX 1800M</a>               | 466 | 1662 | NA                   | NA                        |
| <a href="#">Quadro FX 3600M</a>               | 466 | 1661 | NA                   | NA                        |
| <a href="#">Radeon 3020e</a>                  | 465 | 1665 | NA                   | NA                        |
| <a href="#">Radeon HD 7660D + 7470 Dual</a>   | 465 | 1664 | NA                   | NA                        |
| <a href="#">SUMO 9644</a>                     | 465 | 1663 | NA                   | NA                        |
| <a href="#">FirePro V5700</a>                 | 464 | 1667 | <a href="#">2.47</a> | <a href="#">\$188.06*</a> |
| <a href="#">Radeon HD 7550M</a>               | 464 | 1666 | NA                   | NA                        |

| Videocard Name   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <a href="#">Mobility Radeon HD 4670</a>                            | 463                                  | 1668                   | NA                                 | NA                        |
| <a href="#">GeForce 8800M GTX</a>                                  | 462                                  | 1669                   | NA                                 | NA                        |
| <a href="#">GeForce GT 320</a>                                     | 461                                  | 1672                   | <a href="#">14.10</a>              | <a href="#">\$32.69*</a>  |
| <a href="#">Intel HD Family</a>                                    | 461                                  | 1670                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7640G</a>                                    | 461                                  | 1671                   | NA                                 | NA                        |
| <a href="#">GeForce 9800 GT</a>                                    | 460                                  | 1673                   | <a href="#">3.07</a>               | <a href="#">\$149.99</a>  |
| <a href="#">GeForce GT 525M</a>                                    | 460                                  | 1674                   | NA                                 | NA                        |
| <a href="#">GeForce GT 720M</a>                                    | 460                                  | 1676                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7660G + HD 7600M N HD 7600M Dual</a>         | 460                                  | 1675                   | NA                                 | NA                        |
| <a href="#">GeForce 710M</a>                                       | 459                                  | 1677                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7560D</a>                                    | 458                                  | 1678                   | NA                                 | NA                        |
| <a href="#">GeForce 800M</a>                                       | 457                                  | 1679                   | NA                                 | NA                        |
| <a href="#">GeForce GT625M</a>                                     | 457                                  | 1680                   | NA                                 | NA                        |
| <a href="#">Quadro FX 3700M</a>                                    | 456                                  | 1681                   | <a href="#">0.49</a>               | <a href="#">\$925.00*</a> |
| <a href="#">GeForce 705M</a>                                       | 455                                  | 1682                   | NA                                 | NA                        |
| <a href="#">GeForce 9800M GTX</a>                                  | 454                                  | 1684                   | <a href="#">1.38</a>               | <a href="#">\$328.50*</a> |
| <a href="#">Radeon R5 M320</a>                                     | 454                                  | 1683                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7520G + 7650M Dual</a>                       | 453                                  | 1685                   | NA                                 | NA                        |
| <a href="#">Radeon HD 8450G + HD 8600M Dual</a>                    | 452                                  | 1686                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7620G N HD 7620G + HD 8600M N HD 8600M D</a> | 451                                  | 1687                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD 5650</a>                            | 449                                  | 1689                   | NA                                 | NA                        |
| <a href="#">Radeon R5 M240</a>                                     | 449                                  | 1688                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7520G + HD 7600M Dual</a>                    | 447                                  | 1690                   | NA                                 | NA                        |
| <a href="#">PHDGD Ivy 5</a>  | 445                                  | 1692                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7660G + 8600M Dual</a>                       | 445                                  | 1691                   | NA                                 | NA                        |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">Radeon HD 7620G + HD 8600M Dual</a>                  | 442                                     | 1694                      | NA                                    | NA                        |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 7650M</a>                                  | 442                                     | 1695                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8570M</a>                                  | 441                                     | 1696                      | NA                                    | NA                        |
| <a href="#">Quadro 410</a>                                       | 438                                     | 1697                      | <a href="#">3.40</a>                  | <a href="#">\$129.00*</a> |
| <a href="#">Radeon HD 7600G + HD Dual</a>                        | 435                                     | 1698                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8410G</a>                                  | 435                                     | 1699                      | NA                                    | NA                        |
| <a href="#">GeForce GT 620M</a>                                  | 434                                     | 1700                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3850 AGP</a>                               | 432                                     | 1701                      | NA                                    | NA                        |
| <a href="#">Quadro FX 4600</a>                                   | 430                                     | 1703                      | <a href="#">1.29</a>                  | <a href="#">\$333.25*</a> |
| <a href="#">Radeon HD 8570D</a>                                  | 430                                     | 1702                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7570M</a>                                  | 426                                     | 1704                      | NA                                    | NA                        |
| <a href="#">FirePro M2000</a>                                    | 425                                     | 1705                      | NA                                    | NA                        |
| <a href="#">GeForce GT 420</a>                                   | 424                                     | 1706                      | <a href="#">2.74</a>                  | <a href="#">\$155.00*</a> |
| <a href="#">Radeon HD 7600G + 7550M Dual</a>                     | 423                                     | 1708                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 7500/7600 Dual</a>              | 423                                     | 1707                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G N HD 7640G + HD 8570M Dual</a>       | 422                                     | 1710                      | NA                                    | NA                        |
| <a href="#">RADEON HD6410D</a>                                   | 422                                     | 1709                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8500M</a>                                  | 420                                     | 1711                      | NA                                    | NA                        |
| <a href="#">Intel 4th Generation Haswell HD</a>                  | 419                                     | 1712                      | NA                                    | NA                        |
| <a href="#">Quadro FX 2800M</a>                                  | 417                                     | 1713                      | <a href="#">2.19</a>                  | <a href="#">\$190.00*</a> |
| <a href="#">GeForce 8800 GTS</a>                                 | 415                                     | 1714                      | <a href="#">5.19</a>                  | <a href="#">\$79.99*</a>  |
| <a href="#">Radeon HD 8610G</a>                                  | 415                                     | 1715                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M230</a>                                   | 414                                     | 1716                      | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">GeForce 810M</a>                                     | 411                                     | 1718                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G</a>                                  | 411                                     | 1717                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-9500B R5, 6 COMPUTE CORES 2C+4G</a> | 408                                     | 1719                      | NA                                    | NA                        |
| <a href="#">GeForce GTS 350M</a>                                 | 407                                     | 1720                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7470M</a>                                  | 407                                     | 1721                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 7600M N HD 7600M Dual</a>       | 406                                     | 1722                      | NA                                    | NA                        |
| <a href="#">RADEON E4690</a>                                     | 405                                     | 1724                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G + 7500M/7600M Dual</a>               | 405                                     | 1723                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4650</a>                          | 401                                     | 1725                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1800</a>                                   | 400                                     | 1727                      | <a href="#">2.97</a>                  | <a href="#">\$135.00*</a> |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Intel HD 5300</a>                                      | 398                                     | 1728                      | NA                                    | NA                          |
| <a href="#">GeForce GT 420M</a>                                    | 397                                     | 1729                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8650D</a>                                    | 396                                     | 1730                      | NA                                    | NA                          |
| <a href="#">GeForce GT 330</a>                                     | 394                                     | 1731                      | <a href="#">9.87</a>                  | <a href="#">\$39.99*</a>    |
| <a href="#">Radeon R5 Opteron X3216</a>                            | 394                                     | 1732                      | NA                                    | NA                          |
| <a href="#">Radeon HD 3850</a>                                     | 392                                     | 1733                      | NA                                    | NA                          |
| <a href="#">Incredible HD</a>                                      | 389                                     | 1735                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7600G + 7450M Dual</a>                       | 389                                     | 1734                      | NA                                    | NA                          |
| <a href="#">GeForce 7900 GTX</a>                                   | 387                                     | 1736                      | NA                                    | NA                          |
| <a href="#">GeForce 8800M GTS</a>                                  | 382                                     | 1738                      | NA                                    | NA                          |
| <a href="#">GeForce GT 335M</a>                                    | 382                                     | 1737                      | NA                                    | NA                          |
| <a href="#">GeForce 9800M GT</a>                                   | 381                                     | 1739                      | NA                                    | NA                          |
| <a href="#">GeForce GT 130</a>                                     | 381                                     | 1740                      | <a href="#">2.52</a>                  | <a href="#">\$151.34*</a>   |
| <a href="#">GeForce GTX 260M</a>                                   | 379                                     | 1742                      | NA                                    | NA                          |
| <a href="#">Radeon HD 4670</a>                                     | 379                                     | 1741                      | <a href="#">2.66</a>                  | <a href="#">\$142.96*</a>   |
| <a href="#">Quadro FX 3700</a>                                     | 377                                     | 1743                      | <a href="#">1.77</a>                  | <a href="#">\$213.27*</a>   |
| <a href="#">Radeon HD 6490M</a>                                    | 377                                     | 1744                      | <a href="#">0.32</a>                  | <a href="#">\$1,193.03*</a> |
| <a href="#">GeForce 9800M GTS</a>                                  | 376                                     | 1749                      | NA                                    | NA                          |
| <a href="#">GeForce GT 620</a>                                     | 376                                     | 1748                      | <a href="#">2.45</a>                  | <a href="#">\$154.00*</a>   |
| <a href="#">Radeon HD 5550</a>                                     | 376                                     | 1747                      | <a href="#">6.85</a>                  | <a href="#">\$54.99*</a>    |
| <a href="#">Radeon HD 7520G + 8750M Dual</a>                       | 376                                     | 1745                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7600G + 6400M Dual</a>                       | 376                                     | 1746                      | NA                                    | NA                          |
| <a href="#">PHDGD Ivy 4</a>  | 374                                     | 1751                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8570D + HD8490 Dual</a>                      | 374                                     | 1750                      | NA                                    | NA                          |
| <a href="#">Radeon 3015e</a>                                       | 372                                     | 1752                      | NA                                    | NA                          |
| <a href="#">Intel UHD Graphics 605</a>                             | 369                                     | 1753                      | NA                                    | NA                          |
| <a href="#">GeForce GT 610M / GT 620M / GT 710M / GT 720M / GT</a> | 368                                     | 1754                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8470D</a>                                    | 367                                     | 1755                      | NA                                    | NA                          |
| <a href="#">Matrox Millennium P690 PCIe x16</a>                    | 366                                     | 1757                      | NA                                    | NA                          |
| <a href="#">Quadro FX 2700M</a>                                    | 366                                     | 1756                      | <a href="#">3.67</a>                  | <a href="#">\$99.95*</a>    |
| <a href="#">Mobility Radeon HD 3850</a>                            | 365                                     | 1759                      | NA                                    | NA                          |
| <a href="#">Radeon HD4670</a>                                      | 365                                     | 1758                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7520G N HD 7520G + HD 7600M N HD 7600M D</a> | 364                                     | 1760                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7620G</a>                                    | 363                                     | 1761                      | NA                                    | NA                          |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
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 **Video Card** ▼

| <a href="#">Intel HD 505</a>                          | 359                                     | 1763                      | NA                                    | NA                          |
|---|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Radeon Vega 3 Ryzen Embedded R1305G</a>   | 358                                     | 1764                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8510G</a>                       | 357                                     | 1765                      | NA                                    | NA                          |
| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">Radeon HD 7500G + HD 7500M/7600M Dual</a> | 355                                     | 1766                      | NA                                    | NA                          |
| <a href="#">GeForce GT 625</a>                        | 353                                     | 1767                      | NA                                    | NA                          |
| <a href="#">Mobility Radeon HD 565v</a>               | 353                                     | 1769                      | NA                                    | NA                          |
| <a href="#">Radeon HD 6480M</a>                       | 353                                     | 1768                      | NA                                    | NA                          |
| <a href="#">ZX C-1080</a>                             | 351                                     | 1770                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7580D</a>                       | 350                                     | 1771                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8450G</a>                       | 349                                     | 1772                      | NA                                    | NA                          |
| <a href="#">GeForce 7950 GT</a>                       | 347                                     | 1773                      | <a href="#">1.31</a>                  | <a href="#">\$264.57*</a>   |
| <a href="#">Intel HD 4000</a>                         | 345                                     | 1774                      | <a href="#">0.22</a>                  | <a href="#">\$1,592.95*</a> |
| <a href="#">FireGL V5600</a>                          | 341                                     | 1777                      | <a href="#">1.52</a>                  | <a href="#">\$225.00*</a>   |
| <a href="#">FirePro 3D V3750</a>                      | 341                                     | 1775                      | <a href="#">6.71</a>                  | <a href="#">\$50.88*</a>    |
| <a href="#">Radeon HD 6620G</a>                       | 341                                     | 1776                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8310E</a>                       | 340                                     | 1778                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7660D + HD 7400 Dual</a>        | 339                                     | 1779                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8570D + HD 8470 Dual</a>        | 338                                     | 1780                      | NA                                    | NA                          |
| <a href="#">Radeon HD 6530D</a>                       | 337                                     | 1781                      | NA                                    | NA                          |
| <a href="#">Radeon R4</a>                             | 336                                     | 1782                      | <a href="#">0.85</a>                  | <a href="#">\$396.99*</a>   |
| <a href="#">Radeon R5 235</a>                         | 336                                     | 1783                      | <a href="#">5.59</a>                  | <a href="#">\$60.13*</a>    |
| <a href="#">FirePro RG220</a>                         | 335                                     | 1784                      | <a href="#">0.52</a>                  | <a href="#">\$650.18*</a>   |
| <a href="#">Radeon HD 7600G + 8500M/8700M Dual</a>    | 333                                     | 1785                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7540D</a>                       | 332                                     | 1786                      | NA                                    | NA                          |
| <a href="#">Radeon R5 310</a>                         | 331                                     | 1787                      | <a href="#">0.66</a>                  | <a href="#">\$499.00*</a>   |
| <a href="#">GeForce 8800 GS</a>                       | 330                                     | 1789                      | NA                                    | NA                          |
| <a href="#">GeForce GT 705</a>                        | 330                                     | 1788                      | <a href="#">1.11</a>                  | <a href="#">\$296.76*</a>   |
| <a href="#">GeForce 9600 GSO 512</a>                  | 329                                     | 1790                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7450M</a>                       | 329                                     | 1791                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7600G + HD 7400M Dual</a>       | 328                                     | 1792                      | NA                                    | NA                          |
| <a href="#">GeForce 9600 GSO</a>                      | 327                                     | 1793                      | <a href="#">3.05</a>                  | <a href="#">\$107.39*</a>   |
| <a href="#">Radeon HD 7600G</a>                       | 327                                     | 1794                      | NA                                    | NA                          |
| <a href="#">GeForce GT 120 / 9500 GT</a>              | 324                                     | 1795                      | NA                                    | NA                          |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
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 **Video Card** ▼

| <a href="#">Radeon E6460</a>                       | 323                                     | 1796                      | NA                                    | NA                        |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">FirePro V3800</a>                      | 320                                     | 1799                      | <a href="#">2.57</a>                  | <a href="#">\$124.99*</a> |
| <a href="#">Intel UHD Graphics 600</a>             | 320                                     | 1798                      | NA                                    | NA                        |
| <a href="#">RADEON HD6370D</a>                     | 320                                     | 1800                      | NA                                    | NA                        |
| <a href="#">GeForce 240M GT</a>                    | 319                                     | 1801                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 560v</a>            | 318                                     | 1802                      | NA                                    | NA                        |
| <a href="#">GeForce 605</a>                        | 317                                     | 1803                      | <a href="#">2.32</a>                  | <a href="#">\$136.83*</a> |
| <a href="#">Radeon HD 7520G</a>                    | 316                                     | 1804                      | NA                                    | NA                        |
| <a href="#">GeForce GT 520</a>                     | 311                                     | 1807                      | <a href="#">1.02</a>                  | <a href="#">\$304.00*</a> |
| <a href="#">GeForce GT 610</a>                     | 311                                     | 1806                      | <a href="#">2.23</a>                  | <a href="#">\$139.99*</a> |
| <a href="#">Radeon HD 7520G + 8600/8700M Dual</a>  | 311                                     | 1808                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8370D</a>                    | 311                                     | 1805                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7420G</a>                    | 308                                     | 1809                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7500G</a>                    | 307                                     | 1810                      | NA                                    | NA                        |
| <a href="#">Quadro FX 3500M</a>                    | 306                                     | 1811                      | <a href="#">3.06</a>                  | <a href="#">\$99.99*</a>  |
| <a href="#">Radeon R3</a>                          | 306                                     | 1812                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8350G</a>                    | 304                                     | 1813                      | NA                                    | NA                        |
| <a href="#">Radeon R1E</a>                         | 301                                     | 1814                      | NA                                    | NA                        |
| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">NVS 315</a>                            | 300                                     | 1816                      | <a href="#">4.29</a>                  | <a href="#">\$69.99*</a>  |
| <a href="#">Radeon R5E</a>                         | 300                                     | 1815                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6520G</a>                    | 299                                     | 1817                      | NA                                    | NA                        |
| <a href="#">Intel HD 500</a>                       | 298                                     | 1818                      | NA                                    | NA                        |
| <a href="#">GeForce 9600M GT / GeForce GT 220M</a> | 293                                     | 1820                      | NA                                    | NA                        |
| <a href="#">GRID K120Q</a>                         | 293                                     | 1819                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2900 GT</a>                  | 292                                     | 1821                      | NA                                    | NA                        |
| <a href="#">GeForce 610M</a>                       | 290                                     | 1823                      | NA                                    | NA                        |
| <a href="#">GeForce 7800 GTX</a>                   | 290                                     | 1822                      | <a href="#">4.06</a>                  | <a href="#">\$71.60*</a>  |
| <a href="#">Radeon HD 7470</a>                     | 289                                     | 1824                      | <a href="#">3.55</a>                  | <a href="#">\$81.37*</a>  |
| <a href="#">Radeon HD 7450A</a>                    | 288                                     | 1825                      | NA                                    | NA                        |
| <a href="#">GeForce 7950 Xtreme</a>                | 287                                     | 1826                      | NA                                    | NA                        |
| <a href="#">GeForce GT 415M</a>                    | 286                                     | 1827                      | NA                                    | NA                        |
| <a href="#">GeForce GT 520MX</a>                   | 284                                     | 1829                      | NA                                    | NA                        |
| <a href="#">Intel HD P3000</a>                     | 284                                     | 1828                      | NA                                    | NA                        |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
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 **Video Card** ▼

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|---|-----|------|----------------------|---------------------------|
| <a href="#">GeForce G1 520M</a>         | 283 | 1831 | <a href="#">9.46</a> | <a href="#">\$29.95</a>   |
| <a href="#">Qualcomm Adreno 630 GPU</a> | 282 | 1832 | NA                   | NA                        |
| <a href="#">Radeon HD 2600 XT</a>       | 282 | 1833 | <a href="#">1.78</a> | <a href="#">\$159.00*</a> |
| <a href="#">GeForce 9600 GS</a>         | 281 | 1834 | NA                   | NA                        |
| <a href="#">Radeon HD 7480D</a>         | 279 | 1835 | NA                   | NA                        |
| <a href="#">GeForce 9700M GTS</a>       | 278 | 1837 | NA                   | NA                        |
| <a href="#">NVS 4200M</a>               | 278 | 1836 | <a href="#">0.70</a> | <a href="#">\$399.00*</a> |
| <a href="#">Radeon R5 235X</a>          | 277 | 1838 | NA                   | NA                        |
| <a href="#">Radeon HD 6370M</a>         | 275 | 1839 | NA                   | NA                        |
| <a href="#">Radeon HD 8400E</a>         | 275 | 1840 | NA                   | NA                        |
| <a href="#">GeForce 9650M GS</a>        | 270 | 1842 | NA                   | NA                        |
| <a href="#">GeForce Go 7900 GTX</a>     | 270 | 1841 | NA                   | NA                        |
| <a href="#">Radeon HD 8280G</a>         | 269 | 1843 | NA                   | NA                        |
| <a href="#">Radeon HD 5470</a>          | 268 | 1844 | NA                   | NA                        |
| <a href="#">Radeon HD 7400G</a>         | 267 | 1845 | NA                   | NA                        |
| <a href="#">Mobility Radeon HD 550v</a> | 266 | 1846 | NA                   | NA                        |
| <a href="#">Radeon HD 8400</a>          | 266 | 1847 | NA                   | NA                        |
| <a href="#">Radeon HD 8330</a>          | 264 | 1848 | NA                   | NA                        |
| <a href="#">GeForce Go 7950 GTX</a>     | 263 | 1849 | NA                   | NA                        |
| <a href="#">Radeon HD 8490</a>          | 263 | 1850 | <a href="#">2.93</a> | <a href="#">\$89.99*</a>  |
| <a href="#">Radeon HD 6450A</a>         | 260 | 1852 | NA                   | NA                        |
| <a href="#">Radeon HD 8280</a>          | 260 | 1851 | NA                   | NA                        |
| <a href="#">Quadro FX 3500</a>          | 259 | 1853 | <a href="#">3.77</a> | <a href="#">\$68.98*</a>  |
| <a href="#">GeForce 7900 GT</a>         | 258 | 1854 | <a href="#">1.30</a> | <a href="#">\$199.00*</a> |
| <a href="#">Radeon HD 6480G</a>         | 256 | 1855 | NA                   | NA                        |
| <a href="#">Radeon HD 8280E</a>         | 256 | 1856 | NA                   | NA                        |
| <a href="#">GeForce 410M</a>            | 255 | 1858 | NA                   | NA                        |
| <a href="#">Intel HD 3000</a>           | 255 | 1857 | <a href="#">0.27</a> | <a href="#">\$945.00*</a> |
| <a href="#">Radeon HD 6370D</a>         | 255 | 1859 | NA                   | NA                        |
| <a href="#">GeForce 510</a>             | 254 | 1860 | <a href="#">3.64</a> | <a href="#">\$69.99*</a>  |
| <a href="#">GeForce 7900 GS</a>         | 253 | 1861 | NA                   | NA                        |
| <a href="#">GeForce GT 415</a>          | 251 | 1862 | NA                   | NA                        |
| <a href="#">Radeon HD 8330E</a>         | 251 | 1863 | NA                   | NA                        |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
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| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Radeon HD 7640G + 8600M Dual</a>               | 249                                     | 1865                      | NA                                    | NA                          |
| <a href="#">NVS 310</a>                                    | 248                                     | 1866                      | <a href="#">4.01</a>                  | <a href="#">\$62.06*</a>    |
| <a href="#">Radeon R2</a>                                  | 248                                     | 1867                      | NA                                    | NA                          |
| <a href="#">GeForce 7900 GT/GTO</a>                        | 247                                     | 1868                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8240</a>                             | 246                                     | 1869                      | NA                                    | NA                          |
| <a href="#">GeForce 7800 GT</a>                            | 244                                     | 1870                      | <a href="#">3.05</a>                  | <a href="#">\$80.00*</a>    |
| <a href="#">Quadro FX 5500</a>                             | 242                                     | 1871                      | <a href="#">0.12</a>                  | <a href="#">\$1,999.00*</a> |
| <a href="#">Radeon HD4650</a>                              | 239                                     | 1872                      | <a href="#">1.57</a>                  | <a href="#">\$152.90*</a>   |
| <a href="#">Quadro NVS 510M</a>                            | 238                                     | 1874                      | NA                                    | NA                          |
| <a href="#">Radeon HD 4650</a>                             | 238                                     | 1873                      | <a href="#">3.41</a>                  | <a href="#">\$69.99*</a>    |
| <a href="#">Mobility Radeon HD 5470</a>                    | 236                                     | 1876                      | NA                                    | NA                          |
| <a href="#">Quadro FX 4500 X2</a>                          | 236                                     | 1877                      | NA                                    | NA                          |
| <a href="#">Radeon HD 6410D</a>                            | 236                                     | 1875                      | NA                                    | NA                          |
| <a href="#">Mobile Intel HD</a>                            | 235                                     | 1878                      | <a href="#">0.49</a>                  | <a href="#">\$479.98*</a>   |
| <a href="#">Radeon HD 4550</a>                             | 235                                     | 1879                      | <a href="#">1.51</a>                  | <a href="#">\$156.00*</a>   |
| <a href="#">Mobility Radeon HD 3670</a>                    | 232                                     | 1881                      | NA                                    | NA                          |
| <a href="#">Quadro FX 570</a>                              | 232                                     | 1880                      | <a href="#">2.02</a>                  | <a href="#">\$115.00*</a>   |
| <a href="#">Radeon E6465</a>                               | 231                                     | 1882                      | NA                                    | NA                          |
| <a href="#">Quadro NVS 290</a>                             | 228                                     | 1883                      | <a href="#">3.86</a>                  | <a href="#">\$59.00*</a>    |
| <a href="#">Quadro FX 4500</a>                             | 227                                     | 1885                      | <a href="#">1.34</a>                  | <a href="#">\$169.00*</a>   |
| <a href="#">Radeon HD 6470M</a>                            | 227                                     | 1884                      | <a href="#">0.40</a>                  | <a href="#">\$569.99*</a>   |
| <a href="#">Quadro FX 880M</a>                             | 224                                     | 1887                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7450</a>                             | 224                                     | 1886                      | <a href="#">4.50</a>                  | <a href="#">\$49.99*</a>    |
| <a href="#">Radeon R3E</a>                                 | 224                                     | 1888                      | NA                                    | NA                          |
| <a href="#">GT 430</a>                                     | 223                                     | 1889                      | <a href="#">1.56</a>                  | <a href="#">\$142.88*</a>   |
| <a href="#">Intel G965 Express</a>                         | 222                                     | 1890                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7340M</a>                            | 221                                     | 1892                      | NA                                    | NA                          |
| <a href="#">Radeon R5 230</a>                              | 221                                     | 1891                      | <a href="#">2.74</a>                  | <a href="#">\$81.10*</a>    |
| <a href="#">A6 Micro-6500T Quad-Core APU with RadeonR4</a> | 220                                     | 1894                      | NA                                    | NA                          |
| <a href="#">Quadro FX 770M</a>                             | 220                                     | 1893                      | <a href="#">0.42</a>                  | <a href="#">\$527.00*</a>   |
| <a href="#">Mobility FireGL V5725</a>                      | 219                                     | 1895                      | NA                                    | NA                          |
| <a href="#">GeForce GT 220</a>                             | 218                                     | 1896                      | <a href="#">5.47</a>                  | <a href="#">\$39.99*</a>    |
| <a href="#">GeForce 7600 GT</a>                            | 217                                     | 1898                      | <a href="#">1.09</a>                  | <a href="#">\$199.00*</a>   |
| <a href="#">Quadro FX 2500M</a>                            | 217                                     | 1897                      | <a href="#">12.45</a>                 | <a href="#">\$17.50*</a>    |



## Video Card ▼



| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

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|--|-----|------|----------------------|---------------------------|
| <a href="#">Radeon HD 6320 Graphic</a>   | 216 | 1899 | NA                   | NA                        |
| <a href="#">Mobility Radeon. HD 5470</a> | 215 | 1901 | NA                   | NA                        |
| <a href="#">Mobility Radeon HD 5450</a>  | 214 | 1902 | NA                   | NA                        |
| <a href="#">GeForce GT 240M</a>          | 213 | 1903 | NA                   | NA                        |
| <a href="#">Intel HD 2000</a>            | 213 | 1904 | NA                   | NA                        |
| <a href="#">GeForce GT 230M</a>          | 212 | 1905 | NA                   | NA                        |
| <a href="#">Radeon HD 8250</a>           | 212 | 1907 | NA                   | NA                        |
| <a href="#">Radeon R2E</a>               | 212 | 1906 | NA                   | NA                        |
| <a href="#">Radeon HD 2600 PRO</a>       | 211 | 1908 | <a href="#">1.12</a> | <a href="#">\$188.44*</a> |
| <a href="#">GeForce Go 7600 GT</a>       | 210 | 1909 | NA                   | NA                        |
| <a href="#">GeForce 320M</a>             | 209 | 1910 | NA                   | NA                        |
| <a href="#">GeForce Go 7800 GTX</a>      | 209 | 1911 | NA                   | NA                        |
| <a href="#">GeForce 9700M GT</a>         | 208 | 1912 | NA                   | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Quadro NVS 320M</a>                          | 208                                     | 1913                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4650 AGP</a>                       | 207                                     | 1914                      | NA                                    | NA                        |
| <a href="#">Barco MXRT 1450</a>                          | 205                                     | 1915                      | NA                                    | NA                        |
| <a href="#">Intel 2nd Generation SandyBridge HD 3000</a> | 205                                     | 1916                      | NA                                    | NA                        |
| <a href="#">GeForce 7950 GX2</a>                         | 201                                     | 1918                      | <a href="#">3.67</a>                  | <a href="#">\$54.99*</a>  |
| <a href="#">Intel Q45/Q43 Express Chipset</a>            | 201                                     | 1917                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6380G</a>                          | 200                                     | 1919                      | <a href="#">0.50</a>                  | <a href="#">\$399.99*</a> |
| <a href="#">Mobility Radeon HD 545v</a>                  | 199                                     | 1920                      | NA                                    | NA                        |
| <a href="#">RADEON HD7450</a>                            | 199                                     | 1921                      | <a href="#">8.95</a>                  | <a href="#">\$22.25*</a>  |
| <a href="#">Radeon HD 6320M</a>                          | 198                                     | 1922                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6450</a>                           | 197                                     | 1923                      | <a href="#">2.22</a>                  | <a href="#">\$89.00*</a>  |
| <a href="#">Radeon HD 7340G</a>                          | 196                                     | 1924                      | NA                                    | NA                        |
| <a href="#">Intel Infoshock HD</a>                       | 193                                     | 1925                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8210E</a>                          | 193                                     | 1926                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6430M</a>                          | 192                                     | 1927                      | NA                                    | NA                        |
| <a href="#">GeForce 6800 GS</a>                          | 191                                     | 1929                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 2600 XT</a>               | 191                                     | 1928                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4550</a>                  | 191                                     | 1930                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8210</a>                           | 189                                     | 1931                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 540v</a>                  | 188                                     | 1932                      | NA                                    | NA                        |

| Videocard Name                                      | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 9500 GS</a>                     | 187                                     | 1934                      | NA                                    | NA                        |
| <a href="#">RDPDD Chained DD</a>                    | 186                                     | 1935                      | NA                                    | NA                        |
| <a href="#">GeForce G100</a>                        | 184                                     | 1936                      | <a href="#">9.24</a>                  | <a href="#">\$19.99*</a>  |
| <a href="#">Mobility Radeon HD 5430</a>             | 181                                     | 1938                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1700</a>                      | 181                                     | 1937                      | <a href="#">0.52</a>                  | <a href="#">\$350.14*</a> |
| <a href="#">Barco MXRT 7100</a>                     | 180                                     | 1940                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7310G</a>                     | 180                                     | 1939                      | NA                                    | NA                        |
| <a href="#">FireGL V3600</a>                        | 179                                     | 1941                      | <a href="#">1.12</a>                  | <a href="#">\$160.99*</a> |
| <a href="#">Quadro FX 3450/4000 SDI</a>             | 179                                     | 1942                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6230</a>                      | 179                                     | 1943                      | NA                                    | NA                        |
| <a href="#">FirePro 3D V3700</a>                    | 178                                     | 1944                      | <a href="#">2.10</a>                  | <a href="#">\$84.99*</a>  |
| <a href="#">GeForce 7800 GS</a>                     | 177                                     | 1945                      | NA                                    | NA                        |
| <a href="#">GeForce Go 7900 GS</a>                  | 176                                     | 1946                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 530v</a>             | 174                                     | 1947                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7310 - Carte graphique</a>    | 174                                     | 1948                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1700M</a>                     | 172                                     | 1949                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1500M</a>                     | 171                                     | 1950                      | NA                                    | NA                        |
| <a href="#">FirePro 2460</a>                        | 170                                     | 1952                      | <a href="#">2.03</a>                  | <a href="#">\$83.99*</a>  |
| <a href="#">Radeon HDG 4670</a>                     | 170                                     | 1951                      | NA                                    | NA                        |
| <a href="#">GeForce 9200</a>                        | 169                                     | 1955                      | NA                                    | NA                        |
| <a href="#">GeForce GT 325M</a>                     | 169                                     | 1953                      | NA                                    | NA                        |
| <a href="#">Intel 2nd Generation SandyBridge HD</a> | 169                                     | 1956                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1500</a>                      | 169                                     | 1954                      | <a href="#">0.38</a>                  | <a href="#">\$450.38</a>  |
| <a href="#">GeForce G102M</a>                       | 167                                     | 1958                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 2600</a>             | 167                                     | 1957                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7310M</a>                     | 166                                     | 1959                      | NA                                    | NA                        |
| <a href="#">Intel HD manual-gen9_2015-133271</a>    | 165                                     | 1960                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7350</a>                      | 165                                     | 1961                      | NA                                    | NA                        |
| Videocard Name                                      | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">GeForce 9500 GT</a>                     | 163                                     | 1962                      | <a href="#">1.90</a>                  | <a href="#">\$85.99*</a>  |
| <a href="#">Radeon HD 8350</a>                      | 162                                     | 1963                      | <a href="#">1.63</a>                  | <a href="#">\$99.81*</a>  |
| <a href="#">Quadro FX 580</a>                       | 161                                     | 1964                      | <a href="#">1.24</a>                  | <a href="#">\$130.00*</a> |
| <a href="#">GeForce GT 120</a>                      | 160                                     | 1966                      | <a href="#">5.34</a>                  | <a href="#">\$29.99*</a>  |
| <a href="#">Intel Q965/Q963 Express</a>             | 160                                     | 1965                      | NA                                    | NA                        |



## Video Card ▼

| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 8800 GTS</a>               | 158                                     | 1968                      | <a href="#">0.66</a>                  | <a href="#">\$241.99*</a> |
| <a href="#">GeForce 7600 GS</a>                | 157                                     | 1970                      | <a href="#">1.33</a>                  | <a href="#">\$117.84</a>  |
| <a href="#">Quadro FX 380</a>                  | 157                                     | 1969                      | <a href="#">2.17</a>                  | <a href="#">\$72.50*</a>  |
| <a href="#">GeForce 315</a>                    | 156                                     | 1972                      | <a href="#">4.74</a>                  | <a href="#">\$32.99*</a>  |
| <a href="#">Radeon HD 3450</a>                 | 156                                     | 1971                      | <a href="#">1.76</a>                  | <a href="#">\$89.00*</a>  |
| <a href="#">GeForce 8200</a>                   | 155                                     | 1973                      | NA                                    | NA                        |
| <a href="#">GeForce 9400 GT</a>                | 155                                     | 1974                      | <a href="#">2.31</a>                  | <a href="#">\$67.53</a>   |
| <a href="#">Radeon HD 4300/4500 Serisi</a>     | 155                                     | 1975                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7340</a>                 | 153                                     | 1976                      | <a href="#">0.28</a>                  | <a href="#">\$552.69*</a> |
| <a href="#">GeForce 8400 GS</a>                | 152                                     | 1977                      | <a href="#">1.77</a>                  | <a href="#">\$85.97*</a>  |
| <a href="#">Radeon X1950 CrossFire Edition</a> | 151                                     | 1978                      | NA                                    | NA                        |
| <a href="#">GeForce 305M</a>                   | 150                                     | 1980                      | NA                                    | NA                        |
| <a href="#">GeForce GT 120M</a>                | 150                                     | 1979                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3650 AGP</a>             | 150                                     | 1981                      | <a href="#">0.81</a>                  | <a href="#">\$185.00*</a> |
| <a href="#">Mobility Radeon HD 4350</a>        | 148                                     | 1984                      | NA                                    | NA                        |
| <a href="#">Quadro 400</a>                     | 148                                     | 1983                      | <a href="#">0.70</a>                  | <a href="#">\$211.00*</a> |
| <a href="#">Quadro FX 3450</a>                 | 148                                     | 1982                      | <a href="#">1.24</a>                  | <a href="#">\$119.99*</a> |
| <a href="#">GeForce Go 7700</a>                | 147                                     | 1986                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6320</a>                 | 147                                     | 1987                      | <a href="#">0.27</a>                  | <a href="#">\$554.99*</a> |
| <a href="#">Radeon R5 220</a>                  | 147                                     | 1985                      | <a href="#">1.74</a>                  | <a href="#">\$85.26*</a>  |
| <a href="#">ZX Chrome 645/640 GPU</a>          | 147                                     | 1988                      | NA                                    | NA                        |
| <a href="#">GeForce GT 130M</a>                | 146                                     | 1990                      | NA                                    | NA                        |
| <a href="#">S3 5400EW</a>                      | 146                                     | 1989                      | NA                                    | NA                        |
| <a href="#">Radeon X1900 GT</a>                | 145                                     | 1991                      | NA                                    | NA                        |
| <a href="#">GeForce 6600 GT</a>                | 143                                     | 1993                      | <a href="#">2.21</a>                  | <a href="#">\$64.95*</a>  |
| <a href="#">GeForce 9200M GE</a>               | 143                                     | 1994                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6300M</a>                | 143                                     | 1992                      | NA                                    | NA                        |
| <a href="#">FirePro 2270</a>                   | 142                                     | 1995                      | <a href="#">1.06</a>                  | <a href="#">\$134.00*</a> |
| <a href="#">GeForce 6800 GT</a>                | 142                                     | 1997                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4570</a>        | 142                                     | 1996                      | <a href="#">1.88</a>                  | <a href="#">\$75.90*</a>  |
| <a href="#">Mobility Radeon HD 3650</a>        | 140                                     | 2002                      | <a href="#">1.91</a>                  | <a href="#">\$73.53*</a>  |
| <a href="#">nForce 760i SLI</a>                | 140                                     | 2003                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4290</a>                 | 140                                     | 1999                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6290M</a>                | 140                                     | 2001                      | NA                                    | NA                        |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|   |     |      |                      |                           |
|---|-----|------|----------------------|---------------------------|
| <a href="#">Radeon X1800 GT</a>           | 140 | 2000 | NA                   | NA                        |
| <a href="#">GeForce 8500 GT</a>           | 139 | 2006 | NA                   | NA                        |
| <a href="#">Intel Haswell HD - GT2</a>    | 139 | 2005 | NA                   | NA                        |
| <a href="#">NVS 2100M</a>                 | 139 | 2004 | NA                   | NA                        |
| <a href="#">GeForce 6800 Ultra</a>        | 138 | 2007 | NA                   | NA                        |
| <a href="#">Intel B43 Express Chipset</a> | 138 | 2009 | NA                   | NA                        |
| <a href="#">Radeon HD 8180</a>            | 138 | 2008 | NA                   | NA                        |
| <a href="#">GeForce 9650M GT</a>          | 137 | 2011 | <a href="#">1.17</a> | <a href="#">\$117.30*</a> |

| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">GeForce Go 6800 Ultra</a>          | 137                                     | 2010                      | NA                                    | NA                          |
| <a href="#">Radeon X1900 CrossFire Edition</a> | 137                                     | 2012                      | NA                                    | NA                          |
| <a href="#">GeForce 7300 GT</a>                | 136                                     | 2013                      | <a href="#">0.91</a>                  | <a href="#">\$149.99*</a>   |
| <a href="#">GeForce G200</a>                   | 136                                     | 2015                      | NA                                    | NA                          |
| <a href="#">Radeon HD 5450</a>                 | 136                                     | 2014                      | <a href="#">1.99</a>                  | <a href="#">\$68.51</a>     |
| <a href="#">GeForce 9600M GT</a>               | 135                                     | 2017                      | <a href="#">1.73</a>                  | <a href="#">\$78.20*</a>    |
| <a href="#">Mobility Radeon HD 4330</a>        | 135                                     | 2019                      | NA                                    | NA                          |
| <a href="#">Quadro NVS 160M</a>                | 135                                     | 2016                      | NA                                    | NA                          |
| <a href="#">Radeon HD 4350</a>                 | 135                                     | 2018                      | <a href="#">2.65</a>                  | <a href="#">\$50.99*</a>    |
| <a href="#">EAH5450</a>                        | 134                                     | 2022                      | <a href="#">1.22</a>                  | <a href="#">\$109.99*</a>   |
| <a href="#">GeForce 7650 GS</a>                | 134                                     | 2024                      | NA                                    | NA                          |
| <a href="#">GeForce 9500M GS</a>               | 134                                     | 2023                      | NA                                    | NA                          |
| <a href="#">GeForce 9800 GT 1024MB</a>         | 134                                     | 2021                      | NA                                    | NA                          |
| <a href="#">Mobility Radeon X1900</a>          | 134                                     | 2020                      | NA                                    | NA                          |
| <a href="#">VIA/S3G C-645/640 GPU</a>          | 132                                     | 2025                      | NA                                    | NA                          |
| <a href="#">Quadro FX 1600M</a>                | 131                                     | 2026                      | <a href="#">0.87</a>                  | <a href="#">\$149.90*</a>   |
| <a href="#">GeForce 9600M GS</a>               | 130                                     | 2027                      | NA                                    | NA                          |
| <a href="#">MOBILITY RADEON X1800</a>          | 130                                     | 2028                      | NA                                    | NA                          |
| <a href="#">RADEON X800 SE</a>                 | 129                                     | 2029                      | NA                                    | NA                          |
| <a href="#">FireGL V7300</a>                   | 128                                     | 2031                      | <a href="#">0.11</a>                  | <a href="#">\$1,189.99*</a> |
| <a href="#">GeForce 9300 / nForce 730i</a>     | 128                                     | 2030                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7310</a>                 | 128                                     | 2032                      | NA                                    | NA                          |
| <a href="#">All-in-Wonder X1900</a>            | 127                                     | 2034                      | NA                                    | NA                          |
| <a href="#">GeForce 310</a>                    | 127                                     | 2035                      | <a href="#">1.17</a>                  | <a href="#">\$108.35*</a>   |
| <a href="#">GeForce Go 7600</a>                | 127                                     | 2033                      | NA                                    | NA                          |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|   |     |      |                      |                           |
|---|-----|------|----------------------|---------------------------|
| <a href="#">GeForce 9300</a>                  | 126 | 2036 | <a href="#">2.15</a> | <a href="#">\$59.00*</a>  |
| <a href="#">Qualcomm Adreno 618 GPU</a>       | 126 | 2038 | NA                   | NA                        |
| <a href="#">Radeon HD 3300</a>                | 126 | 2037 | NA                   | NA                        |
| <a href="#">Intel G41 Express Chipset</a>     | 125 | 2040 | NA                   | NA                        |
| <a href="#">GeForce 8700M GT</a>              | 124 | 2042 | NA                   | NA                        |
| <a href="#">Quadro FX 1400</a>                | 124 | 2043 | <a href="#">0.51</a> | <a href="#">\$245.01*</a> |
| <a href="#">Seria Mobility Radeon HD 3400</a> | 124 | 2041 | NA                   | NA                        |
| <a href="#">GeForce 6800 XT</a>               | 123 | 2045 | NA                   | NA                        |
| <a href="#">GeForce 8600 GT</a>               | 123 | 2047 | <a href="#">0.63</a> | <a href="#">\$196.00*</a> |
| <a href="#">Intel Haswell HD - GT1</a>        | 123 | 2046 | NA                   | NA                        |
| <a href="#">Radeon HD 7290M</a>               | 123 | 2044 | NA                   | NA                        |
| <a href="#">GeForce G105M</a>                 | 122 | 2048 | NA                   | NA                        |
| <a href="#">Quadro FX 380 LP</a>              | 122 | 2049 | NA                   | NA                        |
| <a href="#">Radeon HD 4250</a>                | 122 | 2050 | NA                   | NA                        |
| <a href="#">Radeon HD 6310</a>                | 122 | 2051 | NA                   | NA                        |
| <a href="#">GeForce 9500M G</a>               | 121 | 2054 | NA                   | NA                        |
| <a href="#">GeForce GT 220M</a>               | 121 | 2052 | NA                   | NA                        |
| <a href="#">Intel G45/G43 Express Chipset</a> | 121 | 2055 | NA                   | NA                        |
| <a href="#">NVS 300</a>                       | 121 | 2053 | <a href="#">1.93</a> | <a href="#">\$62.97*</a>  |
| <a href="#">Extreme AX850 PRO</a>             | 120 | 2059 | NA                   | NA                        |
| <a href="#">GeForce 405</a>                   | 120 | 2058 | <a href="#">4.89</a> | <a href="#">\$24.64*</a>  |
| <a href="#">Quadro FX 380M</a>                | 120 | 2056 | NA                   | NA                        |
| <a href="#">Radeon HD 2400</a>                | 120 | 2057 | <a href="#">1.37</a> | <a href="#">\$88.20*</a>  |

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 505</a>                             | 118                                     | 2064                      | <a href="#">1.03</a>                  | <a href="#">\$115.06*</a> |
| <a href="#">Qualcomm Adreno 540 GPU</a>                 | 118                                     | 2063                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2400 XT</a>                       | 118                                     | 2060                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3470</a>                          | 118                                     | 2062                      | <a href="#">1.08</a>                  | <a href="#">\$109.65*</a> |
| <a href="#">RV530 PRO</a>                               | 118                                     | 2061                      | NA                                    | NA                        |
| <a href="#">FireMV 2260</a>                             | 117                                     | 2065                      | <a href="#">1.33</a>                  | <a href="#">\$88.08*</a>  |
| <a href="#">Mobile Intel 45 Express-Chipsatzfamilie</a> | 117                                     | 2066                      | NA                                    | NA                        |
| <a href="#">FireGL V7200</a>                            | 116                                     | 2070                      | NA                                    | NA                        |
| <a href="#">GeForce G210M</a>                           | 116                                     | 2069                      | NA                                    | NA                        |
| <a href="#">PHDGD Quantic C3</a>                        | 116                                     | 2067                      | NA                                    | NA                        |

| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 310M</a>                   | 115                                     | 2071                      | NA                                    | NA                        |
| <a href="#">GeForce 315M</a>                   | 115                                     | 2075                      | NA                                    | NA                        |
| <a href="#">GeForce 8300 GS</a>                | 115                                     | 2074                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4330</a>                 | 115                                     | 2073                      | NA                                    | NA                        |
| <a href="#">Radeon X1600 XT</a>                | 115                                     | 2072                      | NA                                    | NA                        |
| <a href="#">FireGL V5200</a>                   | 114                                     | 2080                      | <a href="#">0.86</a>                  | <a href="#">\$133.40*</a> |
| <a href="#">GeForce 210</a>                    | 114                                     | 2078                      | <a href="#">2.12</a>                  | <a href="#">\$54.15*</a>  |
| <a href="#">GeForce Go 7800</a>                | 114                                     | 2079                      | NA                                    | NA                        |
| <a href="#">NVS 3100M</a>                      | 114                                     | 2077                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2400 Pro</a>             | 114                                     | 2081                      | NA                                    | NA                        |
| <a href="#">RADEON X800 GTO</a>                | 114                                     | 2076                      | NA                                    | NA                        |
| <a href="#">Quadro FX 560</a>                  | 113                                     | 2082                      | <a href="#">0.76</a>                  | <a href="#">\$150.25*</a> |
| <a href="#">FirePro 2260</a>                   | 112                                     | 2084                      | NA                                    | NA                        |
| <a href="#">GeForce 6800</a>                   | 112                                     | 2085                      | <a href="#">0.20</a>                  | <a href="#">\$559.29*</a> |
| <a href="#">Intel HD Modded</a>                | 112                                     | 2087                      | NA                                    | NA                        |
| <a href="#">Radeon X1950 Pro</a>               | 112                                     | 2083                      | NA                                    | NA                        |
| <a href="#">Sapphire RADEON X800 GT</a>        | 112                                     | 2086                      | NA                                    | NA                        |
| <a href="#">GeForce 9200M GS</a>               | 111                                     | 2090                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3400 Serisi</a> | 111                                     | 2091                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4200</a>                 | 111                                     | 2089                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7290</a>                 | 111                                     | 2088                      | NA                                    | NA                        |
| <a href="#">FireGL V7350</a>                   | 110                                     | 2092                      | <a href="#">0.93</a>                  | <a href="#">\$119.42*</a> |
| <a href="#">GeForce G210</a>                   | 110                                     | 2093                      | <a href="#">0.90</a>                  | <a href="#">\$122.12*</a> |
| <a href="#">Radeon HD 2600 Pro AGP</a>         | 110                                     | 2094                      | NA                                    | NA                        |
| <a href="#">GeForce 6800 LE</a>                | 109                                     | 2096                      | NA                                    | NA                        |
| <a href="#">GeForce 8400M GS</a>               | 109                                     | 2098                      | <a href="#">1.40</a>                  | <a href="#">\$78.20*</a>  |
| <a href="#">Radeon HD 4270</a>                 | 109                                     | 2095                      | NA                                    | NA                        |
| <a href="#">VIA/S3G Chrome 645/640 GPU</a>     | 109                                     | 2097                      | NA                                    | NA                        |
| <a href="#">Intel Media Accelerator HD</a>     | 108                                     | 2099                      | NA                                    | NA                        |
| <a href="#">Quadro FX 370 LP</a>               | 108                                     | 2100                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6800</a>                | 106                                     | 2103                      | NA                                    | NA                        |
| <a href="#">Radeon Infoshock 3000</a>          | 106                                     | 2101                      | NA                                    | NA                        |
| <a href="#">Radeon X1950 GT</a>                | 106                                     | 2102                      | NA                                    | NA                        |
| <a href="#">GeForce GT 320M</a>                | 105                                     | 2105                      | NA                                    | NA                        |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

| <a href="#">GeForce 945U</a>                       | 104                                     | 2106                      | NA                                    | NA                        |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">M880G with Mobility Radeon HD 4250</a> | 104                                     | 2110                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X1700</a>              | 104                                     | 2107                      | NA                                    | NA                        |
| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Quadro FX 3400/4400</a>                | 104                                     | 2109                      | NA                                    | NA                        |
| <a href="#">Quadro FX 570M</a>                     | 104                                     | 2111                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6290</a>                     | 104                                     | 2108                      | NA                                    | NA                        |
| <a href="#">FireGL V3400</a>                       | 103                                     | 2113                      | NA                                    | NA                        |
| <a href="#">GeForce 9500M</a>                      | 103                                     | 2112                      | <a href="#">1.02</a>                  | <a href="#">\$101.20*</a> |
| <a href="#">GeForce 6800 GS/XT</a>                 | 102                                     | 2116                      | NA                                    | NA                        |
| <a href="#">GeForce 9300 GS</a>                    | 102                                     | 2118                      | <a href="#">1.71</a>                  | <a href="#">\$59.95*</a>  |
| <a href="#">GeForce 9300M GS</a>                   | 102                                     | 2117                      | <a href="#">2.36</a>                  | <a href="#">\$43.42*</a>  |
| <a href="#">Mobility Radeon HD 2400 XT</a>         | 102                                     | 2119                      | NA                                    | NA                        |
| <a href="#">Quadro FX 370 Low Profile</a>          | 102                                     | 2114                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 420</a>                     | 102                                     | 2115                      | <a href="#">0.69</a>                  | <a href="#">\$150.00*</a> |
| <a href="#">GeForce 8300</a>                       | 101                                     | 2121                      | <a href="#">4.48</a>                  | <a href="#">\$22.68*</a>  |
| <a href="#">GeForce 9400M</a>                      | 101                                     | 2122                      | NA                                    | NA                        |
| <a href="#">Quadro FX 4000</a>                     | 101                                     | 2123                      | NA                                    | NA                        |
| <a href="#">Quadro FX Go1400</a>                   | 101                                     | 2120                      | NA                                    | NA                        |
| <a href="#">Matrox G200e WDDM 2.0</a>              | 100                                     | 2124                      | NA                                    | NA                        |
| <a href="#">GeForce 9400</a>                       | 98                                      | 2126                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3430</a>            | 98                                      | 2129                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4250</a>            | 98                                      | 2127                      | NA                                    | NA                        |
| <a href="#">Radeon 3000</a>                        | 98                                      | 2128                      | <a href="#">0.31</a>                  | <a href="#">\$319.00*</a> |
| <a href="#">Radeon X1600 Pro</a>                   | 98                                      | 2125                      | NA                                    | NA                        |
| <a href="#">GeForce 9300GE</a>                     | 97                                      | 2131                      | <a href="#">1.01</a>                  | <a href="#">\$97.20*</a>  |
| <a href="#">ION LE</a>                             | 97                                      | 2130                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 130M</a>                    | 97                                      | 2133                      | NA                                    | NA                        |
| <a href="#">RADEON X800 XT</a>                     | 97                                      | 2132                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD serie 4200</a>      | 96                                      | 2134                      | NA                                    | NA                        |
| <a href="#">GeForce 6700 XL</a>                    | 95                                      | 2136                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3000</a>                     | 95                                      | 2135                      | NA                                    | NA                        |
| <a href="#">MEDION RADEON X740XL</a>               | 94                                      | 2137                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 295</a>                     | 94                                      | 2138                      | <a href="#">1.49</a>                  | <a href="#">\$63.00*</a>  |

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|  |    |      |                      |                           |
|--|----|------|----------------------|---------------------------|
| <a href="#">Mobility Radeon HD 3470 Hybrid X2</a>  | 93 | 2139 | NA                   | NA                        |
| <a href="#">Quadro FX 370M</a>                     | 93 | 2142 | NA                   | NA                        |
| <a href="#">Radeon HD 6250</a>                     | 93 | 2140 | NA                   | NA                        |
| <a href="#">FireGL V5100</a>                       | 92 | 2145 | <a href="#">0.81</a> | <a href="#">\$114.96*</a> |
| <a href="#">M880G with Mobility Radeon HD 4200</a> | 92 | 2144 | NA                   | NA                        |
| <a href="#">Mobility Radeon HD 4270</a>            | 92 | 2143 | NA                   | NA                        |
| <a href="#">Mobility Radeon X1600</a>              | 92 | 2146 | NA                   | NA                        |
| <a href="#">nForce 780a SLI</a>                    | 92 | 2147 | NA                   | NA                        |
| <a href="#">GeForce 8600 GS</a>                    | 91 | 2148 | NA                   | NA                        |
| <a href="#">GeForce G205M</a>                      | 91 | 2150 | NA                   | NA                        |
| <a href="#">Mobility Radeon HD 3450</a>            | 91 | 2151 | NA                   | NA                        |
| <a href="#">RADEON X600XT</a>                      | 91 | 2149 | NA                   | NA                        |
| <a href="#">Mobility Radeon HD 4200</a>            | 90 | 2152 | NA                   | NA                        |
| <a href="#">GeForce 7500 LE</a>                    | 89 | 2156 | NA                   | NA                        |
| <a href="#">GeForce 8600M GT</a>                   | 89 | 2153 | <a href="#">0.83</a> | <a href="#">\$108.10*</a> |
| <a href="#">Matrox G200eW3 WDDM 2.0</a>            | 89 | 2155 | NA                   | NA                        |
| <a href="#">Mobility Radeon HD 2400</a>            | 89 | 2154 | NA                   | NA                        |
| <a href="#">GeForce 6610 XL</a>                    | 88 | 2157 | NA                   | NA                        |

| Videocard Name                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---------------------------------------|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 6600</a>          | 86                                      | 2159                      | <a href="#">0.33</a>                  | <a href="#">\$264.00*</a> |
| <a href="#">Quadro FX 360M</a>        | 86                                      | 2158                      | NA                                    | NA                        |
| <a href="#">Quadro FX 350</a>         | 85                                      | 2160                      | NA                                    | NA                        |
| <a href="#">ALL-IN-WONDER X800 GT</a> | 84                                      | 2164                      | NA                                    | NA                        |
| <a href="#">FireGL V3200</a>          | 84                                      | 2161                      | NA                                    | NA                        |
| <a href="#">GeForce 9300M G</a>       | 84                                      | 2163                      | NA                                    | NA                        |
| <a href="#">ION</a>                   | 84                                      | 2166                      | <a href="#">0.37</a>                  | <a href="#">\$229.99*</a> |
| <a href="#">Radeon X1300 PRO</a>      | 84                                      | 2165                      | NA                                    | NA                        |
| <a href="#">Radeon X1650 Pro</a>      | 84                                      | 2162                      | <a href="#">0.53</a>                  | <a href="#">\$160.89*</a> |
| <a href="#">RADEON X800 GT</a>        | 84                                      | 2167                      | NA                                    | NA                        |
| <a href="#">GeForce 999 GTX</a>       | 83                                      | 2168                      | NA                                    | NA                        |
| <a href="#">nForce 750a SLI</a>       | 83                                      | 2170                      | NA                                    | NA                        |
| <a href="#">Quadro FX 370</a>         | 83                                      | 2169                      | <a href="#">0.67</a>                  | <a href="#">\$125.00*</a> |
| <a href="#">Radeon HD 3200</a>        | 82                                      | 2171                      | NA                                    | NA                        |
| <a href="#">GeForce 8400</a>          | 81                                      | 2178                      | <a href="#">0.14</a>                  | <a href="#">\$589.99*</a> |



| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 9300 SE</a>                    | 81                                      | 2176                      | NA                                    | NA                        |
| <a href="#">MOBILITY FireGL V5000</a>              | 81                                      | 2175                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon 4100</a>               | 81                                      | 2180                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X2500</a>              | 81                                      | 2174                      | NA                                    | NA                        |
| <a href="#">nForce 980a/780a SLI</a>               | 81                                      | 2177                      | NA                                    | NA                        |
| <a href="#">RADEON X800 XT Platinum Edition</a>    | 81                                      | 2179                      | NA                                    | NA                        |
| <a href="#">RADEON X850 XT</a>                     | 81                                      | 2181                      | NA                                    | NA                        |
| <a href="#">RADEON X850 XT Platinum Edition</a>    | 81                                      | 2173                      | NA                                    | NA                        |
| <a href="#">GeForce 7300 LE</a>                    | 80                                      | 2184                      | <a href="#">2.50</a>                  | <a href="#">\$32.00*</a>  |
| <a href="#">GeForce 9300 GE</a>                    | 80                                      | 2183                      | <a href="#">3.50</a>                  | <a href="#">\$22.99*</a>  |
| <a href="#">Quadro FX 540</a>                      | 80                                      | 2182                      | <a href="#">1.35</a>                  | <a href="#">\$59.99*</a>  |
| <a href="#">GeForce 8100 / nForce 720a</a>         | 79                                      | 2186                      | NA                                    | NA                        |
| <a href="#">RADEON X800GT</a>                      | 79                                      | 2185                      | NA                                    | NA                        |
| <a href="#">GeForce 7300 GS</a>                    | 78                                      | 2187                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 140M</a>                    | 78                                      | 2188                      | NA                                    | NA                        |
| <a href="#">Intel Q35 Express</a>                  | 77                                      | 2189                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2350</a>                     | 76                                      | 2190                      | NA                                    | NA                        |
| <a href="#">M860G with Mobility Radeon 4100</a>    | 75                                      | 2192                      | NA                                    | NA                        |
| <a href="#">RADEON X700 PRO</a>                    | 75                                      | 2191                      | NA                                    | NA                        |
| <a href="#">GeForce 7350 LE</a>                    | 74                                      | 2194                      | NA                                    | NA                        |
| <a href="#">Radeon X1650 GTO</a>                   | 74                                      | 2193                      | NA                                    | NA                        |
| <a href="#">FireMV 2450</a>                        | 73                                      | 2195                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4300 Serisi</a>     | 73                                      | 2198                      | NA                                    | NA                        |
| <a href="#">Radeon 3100</a>                        | 73                                      | 2196                      | <a href="#">0.39</a>                  | <a href="#">\$189.15*</a> |
| <a href="#">RADEON X800 PRO/GTO</a>                | 73                                      | 2197                      | NA                                    | NA                        |
| <a href="#">RADEON X700</a>                        | 72                                      | 2200                      | NA                                    | NA                        |
| <a href="#">RADEON X850 PRO</a>                    | 72                                      | 2199                      | NA                                    | NA                        |
| <a href="#">FireGL V7100</a>                       | 71                                      | 2201                      | <a href="#">0.22</a>                  | <a href="#">\$328.67*</a> |
| <a href="#">M880G with Mobility Radeon HD 4225</a> | 71                                      | 2203                      | NA                                    | NA                        |
| <a href="#">MEDION RADEON 9800 XXL</a>             | 71                                      | 2202                      | NA                                    | NA                        |
| <a href="#">Radeon X1650 SE</a>                    | 71                                      | 2205                      | NA                                    | NA                        |
| <a href="#">RADEON X700 SE</a>                     | 71                                      | 2204                      | NA                                    | NA                        |
| <a href="#">Diamond X1300-PCIE 256MB</a>           | 70                                      | 2210                      | NA                                    | NA                        |
| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |

 **Video Card** ▼

| Videocard Name                                    | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 8800M GS</a>                  | 70                                      | 2208                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 150M</a>                   | 70                                      | 2209                      | NA                                    | NA                        |
| <a href="#">Radeon X550XTX</a>                    | 70                                      | 2206                      | NA                                    | NA                        |
| <a href="#">BASICDISPLAY</a>                      | 69                                      | 2211                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6600</a>                   | 69                                      | 2212                      | NA                                    | NA                        |
| <a href="#">Quadro FX 3000</a>                    | 69                                      | 2215                      | <a href="#">0.41</a>                  | <a href="#">\$166.61*</a> |
| <a href="#">Radeon X1600 Pro / X1300XT</a>        | 69                                      | 2214                      | NA                                    | NA                        |
| <a href="#">RADEON X800 XL</a>                    | 69                                      | 2213                      | NA                                    | NA                        |
| <a href="#">FireGL V3350</a>                      | 68                                      | 2216                      | NA                                    | NA                        |
| <a href="#">GeForce 8400 SE</a>                   | 68                                      | 2217                      | NA                                    | NA                        |
| <a href="#">GeForce 9100M G</a>                   | 68                                      | 2218                      | NA                                    | NA                        |
| <a href="#">GeForce 9400M G</a>                   | 67                                      | 2221                      | NA                                    | NA                        |
| <a href="#">Intel G45/G43/G41 Express Chipset</a> | 67                                      | 2219                      | NA                                    | NA                        |
| <a href="#">Matrox G200eR WDDM 2.0</a>            | 67                                      | 2220                      | NA                                    | NA                        |
| <a href="#">RADEON X600 PRO</a>                   | 67                                      | 2222                      | <a href="#">0.42</a>                  | <a href="#">\$160.49*</a> |
| <a href="#">GeForce 8400M GT</a>                  | 66                                      | 2225                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4225</a>           | 66                                      | 2227                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON X700</a>              | 66                                      | 2224                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 450</a>                    | 66                                      | 2223                      | <a href="#">0.15</a>                  | <a href="#">\$432.17</a>  |
| <a href="#">Radeon X1550</a>                      | 66                                      | 2226                      | <a href="#">0.43</a>                  | <a href="#">\$155.00*</a> |
| <a href="#">GeForce Go 7400</a>                   | 65                                      | 2228                      | NA                                    | NA                        |
| <a href="#">RADEON X800 PRO</a>                   | 64                                      | 2229                      | NA                                    | NA                        |
| <a href="#">Quadro FX 550</a>                     | 63                                      | 2230                      | <a href="#">0.22</a>                  | <a href="#">\$287.82*</a> |
| <a href="#">GeForce G 103M</a>                    | 62                                      | 2234                      | NA                                    | NA                        |
| <a href="#">GeForce G 105M</a>                    | 62                                      | 2231                      | NA                                    | NA                        |
| <a href="#">Intel HD manual-15.28-1861</a>        | 62                                      | 2233                      | NA                                    | NA                        |
| <a href="#">MOBILITY FireGL V3200</a>             | 62                                      | 2235                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3410</a>           | 62                                      | 2232                      | NA                                    | NA                        |
| <a href="#">SAPPHIRE Radeon X1550</a>             | 61                                      | 2236                      | NA                                    | NA                        |
| <a href="#">FireGL X1</a>                         | 59                                      | 2242                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5950 Ultra</a>             | 59                                      | 2241                      | NA                                    | NA                        |
| <a href="#">Matrox G200e WDDM 1.2</a>             | 59                                      | 2240                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON X700 XL</a>           | 59                                      | 2237                      | NA                                    | NA                        |
| <a href="#">Radeon 2100</a>                       | 59                                      | 2238                      | <a href="#">0.31</a>                  | <a href="#">\$190.99*</a> |

 **Video Card** ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|   |    |      |                      |                           |
|---|----|------|----------------------|---------------------------|
| <a href="#">GeForce 6800 LE</a>                 | 58 | 2243 | NA                   | NA                        |
| <a href="#">GeForce 8200M G</a>                 | 58 | 2246 | NA                   | NA                        |
| <a href="#">GeForce 8400M G</a>                 | 58 | 2244 | NA                   | NA                        |
| <a href="#">Radeon X1300</a>                    | 58 | 2245 | <a href="#">0.61</a> | <a href="#">\$95.78*</a>  |
| <a href="#">Intel - Express Chipset Q45/Q43</a> | 57 | 2247 | NA                   | NA                        |
| <a href="#">Intel G41 Express-Chipsatz</a>      | 57 | 2249 | NA                   | NA                        |
| <a href="#">Intel Q45/Q43 Express-Chipsatz</a>  | 57 | 2250 | NA                   | NA                        |
| <a href="#">RADEON 9800</a>                     | 57 | 2248 | <a href="#">0.18</a> | <a href="#">\$325.00*</a> |
| <a href="#">Intel - Express Chipset G41</a>     | 56 | 2252 | NA                   | NA                        |
| <a href="#">RADEON 9800 XT</a>                  | 56 | 2251 | NA                   | NA                        |
| <a href="#">RADEON X550XT</a>                   | 56 | 2254 | NA                   | NA                        |
| <a href="#">RADEON X600 256MB HyperMemory</a>   | 56 | 2253 | NA                   | NA                        |
| <a href="#">GeForce 6200 TurboCache</a>         | 53 | 2256 | NA                   | NA                        |

| Videocard Name                          | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|---|---|---------------------------|---------------------------------------|--------------------------|
| <a href="#">RADEON 9700 PRO</a>         | 53                                      | 2255                      | NA                                    | NA                       |
| <a href="#">FireGL V3100</a>            | 52                                      | 2257                      | NA                                    | NA                       |
| <a href="#">GeForce Go 7300</a>         | 52                                      | 2259                      | NA                                    | NA                       |
| <a href="#">Radeon Xpress 1300</a>      | 52                                      | 2258                      | NA                                    | NA                       |
| <a href="#">FirePro 2450</a>            | 51                                      | 2265                      | <a href="#">0.57</a>                  | <a href="#">\$89.99*</a> |
| <a href="#">GeForce 6600 LE</a>         | 51                                      | 2263                      | NA                                    | NA                       |
| <a href="#">GeForce 7100 GS</a>         | 51                                      | 2264                      | NA                                    | NA                       |
| <a href="#">GeForce FX Go5700</a>       | 51                                      | 2262                      | NA                                    | NA                       |
| <a href="#">Matrox G200eh WDDM 1.2</a>  | 51                                      | 2260                      | NA                                    | NA                       |
| <a href="#">RADEON E2400</a>            | 51                                      | 2261                      | NA                                    | NA                       |
| <a href="#">Matrox G200eW WDDM 1.2</a>  | 50                                      | 2270                      | NA                                    | NA                       |
| <a href="#">Mobility Radeon HD 2300</a> | 50                                      | 2267                      | NA                                    | NA                       |
| <a href="#">MOBILITY RADEON X600</a>    | 50                                      | 2269                      | NA                                    | NA                       |
| <a href="#">Quadro NVS 135M</a>         | 50                                      | 2268                      | NA                                    | NA                       |
| <a href="#">RADEON X550</a>             | 50                                      | 2266                      | NA                                    | NA                       |
| <a href="#">MOBILITY RADEON X600 SE</a> | 49                                      | 2272                      | NA                                    | NA                       |
| <a href="#">Radeon X1050</a>            | 49                                      | 2273                      | NA                                    | NA                       |
| <a href="#">Radeon X1600</a>            | 49                                      | 2271                      | NA                                    | NA                       |
| <a href="#">RADEON X600 SE</a>          | 49                                      | 2274                      | <a href="#">0.87</a>                  | <a href="#">\$56.18*</a> |
| <a href="#">Mobility Radeon X2300</a>   | 48                                      | 2276                      | NA                                    | NA                       |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 7300 SE / 7200 GS</a>              | 47                                      | 2277                      | NA                                    | NA                        |
| <a href="#">Intel G33/G31 Express</a>                  | 47                                      | 2282                      | NA                                    | NA                        |
| <a href="#">Mobile Intel 965 Express</a>               | 47                                      | 2280                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 110M</a>                        | 47                                      | 2279                      | NA                                    | NA                        |
| <a href="#">Radeon X1550 64-bit</a>                    | 47                                      | 2278                      | NA                                    | NA                        |
| <a href="#">SAPPHIRE RADEON 9600 ATLANTIS</a>          | 47                                      | 2281                      | NA                                    | NA                        |
| <a href="#">Matrox G200eh WDDM 2.0</a>                 | 46                                      | 2284                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON 9800</a>                   | 46                                      | 2285                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 120M</a>                        | 46                                      | 2283                      | NA                                    | NA                        |
| <a href="#">FireMV 2250</a>                            | 45                                      | 2286                      | <a href="#">0.44</a>                  | <a href="#">\$104.00*</a> |
| <a href="#">GeForce Go 7200</a>                        | 45                                      | 2288                      | NA                                    | NA                        |
| <a href="#">Matrox G200eR WDDM 1.2</a>                 | 45                                      | 2287                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6600 TE/6200 TE</a>             | 44                                      | 2290                      | NA                                    | NA                        |
| <a href="#">Mobile Intel 4 Express-Chipsatzfamilie</a> | 44                                      | 2293                      | NA                                    | NA                        |
| <a href="#">Mobile Intel serie 4 Express</a>           | 44                                      | 2292                      | NA                                    | NA                        |
| <a href="#">MOBILITY FireGL V5200</a>                  | 44                                      | 2289                      | NA                                    | NA                        |
| <a href="#">Quadro FX 350M</a>                         | 44                                      | 2291                      | NA                                    | NA                        |
| <a href="#">Radeon 9700 TX w/TV-Out</a>                | 44                                      | 2294                      | NA                                    | NA                        |
| <a href="#">Matrox M9138 LP PCIe x16</a>               | 42                                      | 2298                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X1400</a>                  | 42                                      | 2295                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 285</a>                         | 42                                      | 2299                      | <a href="#">0.25</a>                  | <a href="#">\$169.86*</a> |
| <a href="#">RADEON 9600 PRO</a>                        | 42                                      | 2296                      | NA                                    | NA                        |
| <a href="#">Radeon Xpress 1250</a>                     | 42                                      | 2297                      | NA                                    | NA                        |
| <a href="#">GeForce 7050 / nForce 620i</a>             | 41                                      | 2303                      | NA                                    | NA                        |
| <a href="#">GeForce 7100 / nForce 630i</a>             | 41                                      | 2300                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5900 Ultra</a>                  | 41                                      | 2304                      | NA                                    | NA                        |
| <a href="#">Mobile Intel 45 Express</a>                | 41                                      | 2302                      | NA                                    | NA                        |
| <a href="#">RADEON 9500 PRO / 9700</a>                 | 41                                      | 2301                      | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">GeForce FX 5700</a>                        | 40                                      | 2305                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5900XT</a>                      | 40                                      | 2310                      | NA                                    | NA                        |
| <a href="#">Matrox G200eh</a>                          | 40                                      | 2307                      | NA                                    | NA                        |
| <a href="#">Matrox M9148 LP PCIe x16</a>               | 40                                      | 2309                      | NA                                    | NA                        |
| <a href="#">MOBILITY FIREGL T2</a>                     | 40                                      | 2306                      | NA                                    | NA                        |



## Video Card ▼

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 7300 SE</a>                            | 39                                      | 2316                      | NA                                    | NA                        |
| <a href="#">Matrox G200eW</a>                              | 39                                      | 2312                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON 9600/9700</a>                  | 39                                      | 2315                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X1300</a>                      | 39                                      | 2313                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X1350</a>                      | 39                                      | 2311                      | NA                                    | NA                        |
| <a href="#">S3 Chrome 430 ULP</a>                          | 39                                      | 2314                      | NA                                    | NA                        |
| <a href="#">GeForce 6500</a>                               | 38                                      | 2318                      | NA                                    | NA                        |
| <a href="#">Mobile Intel - famiglia Express Chipset 45</a> | 38                                      | 2317                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 285 128MB</a>                       | 38                                      | 2319                      | <a href="#">0.70</a>                  | <a href="#">\$55.00*</a>  |
| <a href="#">RADEON X300SE</a>                              | 38                                      | 2320                      | NA                                    | NA                        |
| <a href="#">256MB DDR Radeon 9800 XT</a>                   | 37                                      | 2322                      | NA                                    | NA                        |
| <a href="#">GeForce 6200</a>                               | 37                                      | 2324                      | <a href="#">0.71</a>                  | <a href="#">\$53.17*</a>  |
| <a href="#">GeForce 6200SE TurboCache</a>                  | 37                                      | 2326                      | NA                                    | NA                        |
| <a href="#">GeForce 7050 / nForce 630i</a>                 | 37                                      | 2321                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 440</a>                             | 37                                      | 2323                      | <a href="#">0.16</a>                  | <a href="#">\$228.87*</a> |
| <a href="#">Radeon X1250</a>                               | 37                                      | 2325                      | NA                                    | NA                        |
| <a href="#">CONNECT 3D RADEON X300</a>                     | 36                                      | 2328                      | NA                                    | NA                        |
| <a href="#">FireMV 2200 PCIe</a>                           | 36                                      | 2330                      | <a href="#">0.40</a>                  | <a href="#">\$89.99*</a>  |
| <a href="#">Matrox G200eR</a>                              | 36                                      | 2327                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON 9600</a>                       | 36                                      | 2331                      | NA                                    | NA                        |
| <a href="#">RADEON 9500</a>                                | 36                                      | 2329                      | <a href="#">0.90</a>                  | <a href="#">\$40.50*</a>  |
| <a href="#">Quadro FX 1100</a>                             | 35                                      | 2332                      | <a href="#">0.17</a>                  | <a href="#">\$212.99*</a> |
| <a href="#">RADEON 9600 XT</a>                             | 35                                      | 2334                      | NA                                    | NA                        |
| <a href="#">Radeon Xpress 1200</a>                         | 35                                      | 2333                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5700 Ultra</a>                      | 34                                      | 2340                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5900</a>                            | 34                                      | 2337                      | NA                                    | NA                        |
| <a href="#">GeForce PCX 5750</a>                           | 34                                      | 2335                      | NA                                    | NA                        |
| <a href="#">GeForce PCX 5900</a>                           | 34                                      | 2341                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1000</a>                             | 34                                      | 2339                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1300</a>                             | 34                                      | 2338                      | NA                                    | NA                        |
| <a href="#">RADEON 9550</a>                                | 34                                      | 2336                      | <a href="#">0.12</a>                  | <a href="#">\$291.74*</a> |
| <a href="#">Radeon Xpress 1100</a>                         | 34                                      | 2342                      | NA                                    | NA                        |
| <a href="#">GeForce 6150 LE</a>                            | 33                                      | 2346                      | NA                                    | NA                        |
| <a href="#">GeForce 7150 / nForce 630i</a>                 | 33                                      | 2349                      | NA                                    | NA                        |



## Video Card ▼

| Videocard Name | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------|---|---------------------------|---------------------------------------|----------------|
|----------------|---|---------------------------|---------------------------------------|----------------|

 **Video Card** ▼

|                                   |    |      |    |    |
|-----------------------------------|----|------|----|----|
| <u>MOBILITY FIREGL T2/T2E</u>     | 33 | 2344 | NA | NA |
| <u>Mobility Radeon X1450</u>      | 33 | 2347 | NA | NA |
| <u>MOBILITY RADEON X300</u>       | 33 | 2343 | NA | NA |
| <u>S3 Chrome S27 DDR3</u>         | 33 | 2345 | NA | NA |
| <u>GeForce 6200 A-LE</u>          | 32 | 2354 | NA | NA |
| <u>GeForce 7025 / nForce 630a</u> | 32 | 2351 | NA | NA |
| <u>GeForce FX 5900ZT</u>          | 32 | 2352 | NA | NA |
| <u>Intel Media Accelerator</u>    | 32 | 2350 | NA | NA |

| Videocard Name                       | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|--------------------------------------|---|---------------------------|---------------------------------------|--------------------------|
| <u>Radeon X1200</u>                  | 32                                      | 2353                      | NA                                    | NA                       |
| <u>GeForce 7050 PV / nForce 630a</u> | 31                                      | 2357                      | NA                                    | NA                       |
| <u>Matrox M9128 LP PCIe x16</u>      | 31                                      | 2355                      | NA                                    | NA                       |
| <u>Radeon X1270</u>                  | 31                                      | 2358                      | NA                                    | NA                       |
| <u>Red Hat QXL controller</u>        | 31                                      | 2356                      | NA                                    | NA                       |
| <u>All-in-Wonder X1800XL</u>         | 30                                      | 2362                      | NA                                    | NA                       |
| <u>FireGL T2-128</u>                 | 30                                      | 2360                      | NA                                    | NA                       |
| <u>GeForce 6150SE nForce 430</u>     | 30                                      | 2359                      | NA                                    | NA                       |
| <u>MOBILITY RADEON 9550</u>          | 30                                      | 2361                      | NA                                    | NA                       |
| <u>Radeon 9550 / X1050</u>           | 29                                      | 2365                      | NA                                    | NA                       |
| <u>Radeon Xpress 1150</u>            | 29                                      | 2363                      | NA                                    | NA                       |
| <u>RADEON XPRESS 200</u>             | 29                                      | 2364                      | NA                                    | NA                       |
| <u>GeForce 6100</u>                  | 27                                      | 2370                      | NA                                    | NA                       |
| <u>GeForce 6200 LE</u>               | 27                                      | 2366                      | <a href="#">0.68</a>                  | <a href="#">\$41.24*</a> |
| <u>MOBILITY FireGL V5250</u>         | 27                                      | 2368                      | NA                                    | NA                       |
| <u>MOBILITY RADEON 9700</u>          | 27                                      | 2367                      | NA                                    | NA                       |
| <u>MOBILITY RADEON XPRESS 200</u>    | 27                                      | 2371                      | NA                                    | NA                       |
| <u>RADEON 9600SE</u>                 | 27                                      | 2369                      | NA                                    | NA                       |
| <u>GeForce 6100 nForce 405</u>       | 26                                      | 2372                      | NA                                    | NA                       |
| <u>GeForce 7100 / nForce 620i</u>    | 26                                      | 2375                      | NA                                    | NA                       |
| <u>RADEON 9600 PRO Family</u>        | 26                                      | 2373                      | NA                                    | NA                       |
| <u>Radeon Xpress 1270</u>            | 26                                      | 2374                      | NA                                    | NA                       |
| <u>GeForce 6100 nForce 400</u>       | 25                                      | 2381                      | NA                                    | NA                       |
| <u>GeForce 6100 nForce 420</u>       | 25                                      | 2380                      | NA                                    | NA                       |
| <u>GeForce 7050 / nForce 610i</u>    | 25                                      | 2378                      | NA                                    | NA                       |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Matrox M9125 PCIe x16</a>                    | 25                                      | 2379                      | NA                                    | NA                        |
| <a href="#">PHDGD Sapphire GR for Mobile Intel 965</a>   | 25                                      | 2376                      | NA                                    | NA                        |
| <a href="#">RADEON 9600 Family</a>                       | 25                                      | 2382                      | NA                                    | NA                        |
| <a href="#">GeForce 6150SE</a>                           | 24                                      | 2384                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5700LE</a>                        | 24                                      | 2385                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6400</a>                          | 24                                      | 2386                      | NA                                    | NA                        |
| <a href="#">Mobile Intel 965 Express-Chipsatzfamilie</a> | 24                                      | 2387                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON 9600 PRO TURBO</a>           | 24                                      | 2383                      | NA                                    | NA                        |
| <a href="#">ALL-IN-WONDER 9800</a>                       | 23                                      | 2391                      | NA                                    | NA                        |
| <a href="#">GeForce 6100 nForce 430</a>                  | 23                                      | 2393                      | NA                                    | NA                        |
| <a href="#">GeForce 7200 GS</a>                          | 23                                      | 2392                      | NA                                    | NA                        |
| <a href="#">Matrox M9140 LP PCIe x16</a>                 | 23                                      | 2390                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 210S</a>                          | 23                                      | 2388                      | NA                                    | NA                        |
| <a href="#">RADEON 9800 SE</a>                           | 23                                      | 2389                      | NA                                    | NA                        |
| <a href="#">RADEON A9800XT</a>                           | 22                                      | 2394                      | NA                                    | NA                        |
| <a href="#">RADEON XPRESS 200M</a>                       | 22                                      | 2395                      | NA                                    | NA                        |
| <a href="#">GeForce 6150</a>                             | 21                                      | 2396                      | <a href="#">0.07</a>                  | <a href="#">\$329.00*</a> |
| <a href="#">PHDGD Solo 2 x64</a>                         | 20                                      | 2398                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 210S / GeForce 6150LE</a>         | 20                                      | 2397                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6150</a>                          | 19                                      | 2400                      | NA                                    | NA                        |
| <a href="#">Matrox M9120 PCIe x16</a>                    | 19                                      | 2399                      | NA                                    | NA                        |
| <a href="#">GeForce 7150M / nForce 630M</a>              | 18                                      | 2404                      | NA                                    | NA                        |
| <a href="#">Quadro FX 2000</a>                           | 18                                      | 2406                      | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">QXL KMDOD</a>                                | 18                                      | 2401                      | NA                                    | NA                        |
| <a href="#">RADEON 9600 TX Family</a>                    | 18                                      | 2403                      | NA                                    | NA                        |
| <a href="#">RADEON XPRESS 200 CROSSFIRE</a>              | 18                                      | 2405                      | NA                                    | NA                        |
| <a href="#">S3 Chrome S25 DDR2</a>                       | 18                                      | 2402                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5600 Ultra</a>                    | 17                                      | 2410                      | NA                                    | NA                        |
| <a href="#">GeForce FX Go 5600</a>                       | 17                                      | 2408                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6100</a>                          | 17                                      | 2407                      | NA                                    | NA                        |
| <a href="#">Mobile Intel965 Express</a>                  | 17                                      | 2409                      | NA                                    | NA                        |
| <a href="#">GeForce FX Go5650</a>                        | 16                                      | 2411                      | NA                                    | NA                        |
| <a href="#">GRID V100-8Q</a>                             | 16                                      | 2412                      | NA                                    | NA                        |



## Video Card ▼

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|---|---|---------------------------|---------------------------------------|----------------|
| <a href="#">NV44</a>  | 15                                      | 2413                      | NA                                    | NA             |
| <a href="#">Quadro FX 500/600 PCI</a>                         | 14                                      | 2415                      | NA                                    | NA             |
| <a href="#">Radeon HD 2400 PCI</a>                            | 14                                      | 2416                      | NA                                    | NA             |
| <a href="#">GeForce 7000M</a>                                 | 13                                      | 2417                      | NA                                    | NA             |
| <a href="#">GeForce 7000M / nForce 610M</a>                   | 12                                      | 2418                      | NA                                    | NA             |
| <a href="#">GeForce FX 5200 Ultra</a>                         | 12                                      | 2421                      | NA                                    | NA             |
| <a href="#">GeForce FX 5600</a>                               | 12                                      | 2419                      | NA                                    | NA             |
| <a href="#">GeForce FX Go5300</a>                             | 12                                      | 2420                      | NA                                    | NA             |
| <a href="#">FireMV 2400 PCIe</a>                              | 11                                      | 2423                      | NA                                    | NA             |
| <a href="#">GeForce FX 5200SE</a>                             | 11                                      | 2422                      | NA                                    | NA             |
| <a href="#">Intel 82945G Express</a>                          | 11                                      | 2426                      | NA                                    | NA             |
| <a href="#">PHDGD Solo 1.2.0 x86</a>                          | 11                                      | 2425                      | NA                                    | NA             |
| <a href="#">RGH Drivers v3</a>                                | 11                                      | 2424                      | NA                                    | NA             |
| <a href="#">Master X3100 Driver</a>                           | 10                                      | 2427                      | NA                                    | NA             |
| <a href="#">MOBILITY IGP 9000/9100</a>                        | 10                                      | 2428                      | NA                                    | NA             |
| <a href="#">ASUS A7000</a>                                    | 9                                       | 2431                      | NA                                    | NA             |
| <a href="#">GeForce FX 5600XT</a>                             | 9                                       | 2432                      | NA                                    | NA             |
| <a href="#">Matrox Parhelia 256MB</a>                         | 9                                       | 2429                      | NA                                    | NA             |
| <a href="#">VIA Chrome9 HD IGP</a>                            | 9                                       | 2430                      | NA                                    | NA             |
| <a href="#">GeCube RADEON 7000</a>                            | 8                                       | 2433                      | NA                                    | NA             |
| <a href="#">GeForce FX 5500</a>                               | 8                                       | 2436                      | 0.05                                  | \$153.97*      |
| <a href="#">GeForce FX Go 5200</a>                            | 8                                       | 2434                      | NA                                    | NA             |
| <a href="#">Intel 82945G Express-Chipsatzfamilie</a>          | 8                                       | 2439                      | NA                                    | NA             |
| <a href="#">Intel Q35 Embedded</a>                            | 8                                       | 2435                      | NA                                    | NA             |
| <a href="#">Mobile Intel 965 Express - BR-0907-0461 v1839</a> | 8                                       | 2437                      | NA                                    | NA             |
| <a href="#">Quadro NVS 280 PCI</a>                            | 8                                       | 2438                      | 0.06                                  | \$130.00*      |
| <a href="#">ASUS V9520-X V62.11</a>                           | 7                                       | 2442                      | NA                                    | NA             |
| <a href="#">GeForce FX 5100</a>                               | 7                                       | 2441                      | NA                                    | NA             |
| <a href="#">GeForce FX 5200</a>                               | 7                                       | 2444                      | 0.06                                  | \$129.00*      |
| <a href="#">GeForce FX 5200LE</a>                             | 7                                       | 2447                      | 0.16                                  | \$42.99*       |
| <a href="#">GeForce4 Ti 4400</a>                              | 7                                       | 2446                      | NA                                    | NA             |
| <a href="#">Intel US15 Embedded Media and Controller</a>      | 7                                       | 2445                      | NA                                    | NA             |
| <a href="#">MOBILITY RADEON 9000 IGP</a>                      | 7                                       | 2440                      | NA                                    | NA             |
| <a href="#">Quadro FX 500/FX 600</a>                          | 7                                       | 2443                      | NA                                    | NA             |

 **Video Card** ▼



| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|---|---|---------------------------|---------------------------------------|--------------------------|
| <a href="#">GeForceZ Ultra</a>                          | 6                                       | 2456                      | NA                                    | NA                       |
| <a href="#">GeForce4 MX Integrated GPU</a>              | 6                                       | 2453                      | NA                                    | NA                       |
| <a href="#">GeForce4 Ti 4800 SE</a>                     | 6                                       | 2449                      | NA                                    | NA                       |
| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
| <a href="#">Intel Media Accelerator 600</a>             | 6                                       | 2448                      | NA                                    | NA                       |
| <a href="#">Intel Q33 Express</a>                       | 6                                       | 2454                      | NA                                    | NA                       |
| <a href="#">Matrox Millennium P690 Plus LP PCIe x16</a> | 6                                       | 2450                      | NA                                    | NA                       |
| <a href="#">MOBILITY RADEON 7000 IGP</a>                | 6                                       | 2457                      | NA                                    | NA                       |
| <a href="#">Quadro NVS 55/280 PCI</a>                   | 6                                       | 2460                      | NA                                    | NA                       |
| <a href="#">Quadro4 380 XGL</a>                         | 6                                       | 2451                      | NA                                    | NA                       |
| <a href="#">RADEON 8500 Family</a>                      | 6                                       | 2452                      | NA                                    | NA                       |
| <a href="#">RADEON 9100 Family</a>                      | 6                                       | 2459                      | NA                                    | NA                       |
| <a href="#">RADEON IGP 350M</a>                         | 6                                       | 2461                      | NA                                    | NA                       |
| <a href="#">V9560XT</a>                                 | 6                                       | 2455                      | NA                                    | NA                       |
| <a href="#">ALL-IN-WONDER RADEON 8500DV</a>             | 5                                       | 2471                      | NA                                    | NA                       |
| <a href="#">GeForce 256</a>                             | 5                                       | 2481                      | <a href="#">0.12</a>                  | <a href="#">\$42.04*</a> |

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