



- Home
- Software
- Hardware
- Benchmarks
- Services
- Store
- Support
- Forums
- About Us

Home » Video Card Benchmarks » Video Card List

- CPU Benchmarks
- Video Card Benchmarks**
- Hard Drive Benchmarks
- RAM
- PC Systems
- Android
- iOS / iPhone

# Videocard Benchmarks

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### 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.

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| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| TITAN Xp COLLECTORS EDITION        | 15042                                | 1                      | NA                                 | NA          |
| Quadro GV100                       | 14589                                | 2                      | NA                                 | NA          |
| NVIDIA TITAN Xp                    | 14287                                | 3                      | 11.91                              | \$1,200.00* |
| TITAN V                            | 14172                                | 4                      | 3.94                               | \$3,598.42  |
| GeForce GTX 1080 Ti                | 14009                                | 5                      | 18.68                              | \$749.99    |
| Quadro P6000                       | 13728                                | 6                      | 2.88                               | \$4,762.99* |
| NVIDIA TITAN X                     | 13215                                | 7                      | 11.01                              | \$1,200.00* |
| Radeon Pro Vega 64                 | 13168                                | 8                      | NA                                 | NA          |
| Radeon RX Vega                     | 12297                                | 9                      | 24.60                              | \$499.99    |
| GeForce GTX 1080                   | 12276                                | 10                     | 22.34                              | \$549.49    |
| GeForce GTX 1070 Ti                | 12241                                | 11                     | 26.05                              | \$469.99    |
| Radeon Pro Vega 56                 | 12028                                | 12                     | NA                                 | NA          |
| Quadro P5200                       | 12025                                | 13                     | NA                                 | NA          |
| Quadro GP100                       | 11895                                | 14                     | NA                                 | NA          |
| Radeon RX Vega 64                  | 11606                                | 15                     | 20.01                              | \$579.99    |
| Radeon Vega Frontier Edition       | 11458                                | 16                     | 13.48                              | \$849.99    |
| GeForce GTX 980 Ti                 | 11338                                | 17                     | 18.29                              | \$619.99*   |
| GeForce GTX 1070                   | 11154                                | 18                     | 24.79                              | \$449.99    |
| Radeon RX Vega 56                  | 11146                                | 19                     | NA                                 | NA          |
| Radeon Pro WX 9100                 | 11019                                | 20                     | NA                                 | NA          |
| GeForce GTX TITAN X                | 10687                                | 21                     | 5.34                               | \$1,999.99* |
| Quadro P4000                       | 10492                                | 22                     | 13.45                              | \$779.99    |
| GeForce GTX 1080 with Max-Q Design | 10342                                | 23                     | NA                                 | NA          |
| Quadro P5000                       | 10253                                | 24                     | 5.74                               | \$1,785.00  |
| VRVD5                              | 10221                                | 25                     | NA                                 | NA          |
| Quadro M6000 24GB                  | 9925                                 | 26                     | NA                                 | NA          |

| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce GTX 1060 5GB                  | 9622                                 | 27                     | NA                                 | NA          |
| GeForce GTX 980                       | 9595                                 | 28                     | 16.41                              | \$584.57    |
| Radeon Pro Duo                        | 9465                                 | 29                     | 10.52                              | \$899.99    |
| Quadro M5500                          | 9322                                 | 30                     | NA                                 | NA          |
| Quadro M6000                          | 9295                                 | 31                     | 2.33                               | \$3,998.00  |
| Radeon R9 Fury                        | 9236                                 | 32                     | 23.09                              | \$399.99*   |
| Quadro P4000 with Max-Q Design        | 9082                                 | 33                     | NA                                 | NA          |
| Quadro P3200                          | 9035                                 | 34                     | NA                                 | NA          |
| GeForce GTX 1060                      | 8959                                 | 35                     | 30.70                              | \$291.88    |
| GeForce GTX 1060 3GB                  | 8900                                 | 36                     | 38.70                              | \$229.99    |
| GeForce GTX 780 Ti                    | 8893                                 | 37                     | 11.86                              | \$749.99*   |
| GeForce GTX TITAN Black               | 8614                                 | 38                     | 8.61                               | \$999.99*   |
| GeForce GTX 970                       | 8590                                 | 39                     | 19.48                              | \$441.00*   |
| Radeon R9 390X                        | 8561                                 | 40                     | NA                                 | NA          |
| Quadro M5000                          | 8468                                 | 41                     | 4.76                               | \$1,780.00* |
| GeForce GTX 1070 with Max-Q Design    | 8457                                 | 42                     | NA                                 | NA          |
| Radeon R9 Fury + Fury X               | 8420                                 | 43                     | 21.05                              | \$399.99*   |
| Radeon RX 580                         | 8353                                 | 44                     | 29.84                              | \$279.99    |
| FirePro W9100 Adapter                 | 8299                                 | 45                     | NA                                 | NA          |
| Quadro P2000                          | 8254                                 | 46                     | 19.20                              | \$429.99    |
| FirePro W8100 Graphic Adapter         | 8219                                 | 47                     | NA                                 | NA          |
| Radeon RX 480                         | 8117                                 | 48                     | 27.06                              | \$299.99    |
| Radeon R9 390                         | 8067                                 | 49                     | NA                                 | NA          |
| GeForce GTX 780                       | 7968                                 | 50                     | 10.75                              | \$740.99*   |
| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GTX Titan                     | 7912                                 | 51                     | 3.85                               | \$2,054.59* |
| Radeon Pro WX 7100                    | 7787                                 | 52                     | 12.98                              | \$599.99    |
| GeForce GTX TITAN Z                   | 7749                                 | 53                     | 2.77                               | \$2,799.99* |
| Radeon R9 295X2                       | 7646                                 | 54                     | 6.95                               | \$1,099.99* |
| Quadro K6000                          | 7644                                 | 55                     | 3.33                               | \$2,298.89* |
| Radeon RX 470                         | 7458                                 | 56                     | 19.91                              | \$374.62    |
| Radeon R9 290X / 390X                 | 7391                                 | 57                     | 10.73                              | \$688.88    |
| GeForce GTX 1060 with Max-Q Design    | 7240                                 | 58                     | NA                                 | NA          |
| FirePro W9100                         | 7136                                 | 59                     | 5.10                               | \$1,399.99  |
| Radeon R9 290 / 390                   | 7105                                 | 60                     | 9.03                               | \$787.12    |
| Radeon RX Vega M GH                   | 7039                                 | 61                     | NA                                 | NA          |
| Radeon RX 570                         | 6811                                 | 62                     | 25.23                              | \$269.99    |
| Quadro M4000                          | 6703                                 | 63                     | 9.22                               | \$726.99    |
| Radeon RX580                          | 6494                                 | 64                     | NA                                 | NA          |
| Radeon R9 380X                        | 6165                                 | 65                     | 24.66                              | \$249.99*   |
| Quadro K5200                          | 6136                                 | 66                     | 7.68                               | \$799.00    |
| Radeon R9 380                         | 6098                                 | 67                     | 23.01                              | \$264.99*   |
| GeForce GTX 770                       | 6083                                 | 68                     | 13.52                              | \$449.99    |
| FirePro W8100                         | 6010                                 | 69                     | 6.01                               | \$999.99*   |
| GeForce GTX 1050 Ti with Max-Q Design | 5973                                 | 70                     | NA                                 | NA          |
| GeForce GTX 1050 Ti                   | 5909                                 | 71                     | 31.27                              | \$189.00    |
| GRID M60-2Q                           | 5904                                 | 72                     | NA                                 | NA          |
| Radeon R9 280X                        | 5844                                 | 73                     | NA                                 | NA          |
| GeForce GTX 980M                      | 5842                                 | 74                     | NA                                 | NA          |
| GeForce GTX 960                       | 5803                                 | 75                     | 25.24                              | \$229.99*   |
| FirePro W7100 Adapter                 | 5794                                 | 76                     | NA                                 | NA          |

| Videocard Name           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon R9 M395X          | 5762                                 | 77                     | NA                                 | NA          |
| GeForce GTX 680          | 5678                                 | 78                     | 8.35                               | \$679.99    |
| Radeon Pro WX 5100       | 5579                                 | 79                     | 14.31                              | \$389.99    |
| Radeon R9 285 / 380      | 5553                                 | 80                     | 12.44                              | \$446.44    |
| Radeon HD 7990           | 5509                                 | 81                     | 4.89                               | \$1,126.99  |
| Quadro M5000M            | 5444                                 | 82                     | NA                                 | NA          |
| Radeon RX Vega M GL      | 5426                                 | 83                     | NA                                 | NA          |
| FirePro W9000            | 5394                                 | 84                     | 1.57                               | \$3,443.99* |
| Radeon R9 280            | 5389                                 | 85                     | NA                                 | NA          |
| GeForce GTX 670          | 5372                                 | 86                     | 11.31                              | \$474.99    |
| FirePro W7100            | 5369                                 | 87                     | 8.52                               | \$629.99*   |
| GeForce GTX 690          | 5367                                 | 88                     | 5.37                               | \$999.00*   |
| GRID M60-1Q              | 5309                                 | 89                     | NA                                 | NA          |
| Radeon HD 7970 / R9 280X | 5247                                 | 90                     | 14.99                              | \$349.97    |
| GeForce GTX 950          | 5213                                 | 91                     | 26.82                              | \$194.44*   |
| Radeon R9 M295X          | 5150                                 | 92                     | NA                                 | NA          |
| GeForce GTX 760 Ti       | 5110                                 | 93                     | 17.18                              | \$297.50*   |
| Quadro P1000             | 5091                                 | 94                     | 16.75                              | \$303.99    |
| GeForce GTX 580          | 5022                                 | 95                     | 17.33                              | \$289.88*   |
| Radeon R9 M395           | 4990                                 | 96                     | NA                                 | NA          |
| GeForce GTX 760          | 4943                                 | 97                     | 19.78                              | \$249.99*   |
| Radeon HD 8990           | 4892                                 | 98                     | NA                                 | NA          |
| Quadro P3000             | 4837                                 | 99                     | NA                                 | NA          |
| Videocard Name           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 7950 / R9 280  | 4764                                 | 100                    | 13.46                              | \$353.87    |
| FirePro W8000 Adapter    | 4751                                 | 101                    | NA                                 | NA          |
| Radeon R9 370            | 4722                                 | 102                    | NA                                 | NA          |
| Radeon R9 270X           | 4681                                 | 103                    | 15.66                              | \$299.00    |
| GeForce GTX 660 Ti       | 4671                                 | 104                    | 14.51                              | \$321.99*   |
| Radeon R7 370            | 4665                                 | 105                    | NA                                 | NA          |
| FirePro W7170M           | 4643                                 | 106                    | NA                                 | NA          |
| GeForce GTX 1050         | 4564                                 | 107                    | 30.43                              | \$149.99    |
| B8DKMDAP                 | 4557                                 | 108                    | NA                                 | NA          |
| Radeon RX 560            | 4475                                 | 109                    | 29.84                              | \$149.99    |
| Quadro K4200             | 4473                                 | 110                    | 8.13                               | \$550.00*   |
| Radeon HD 7870 XT        | 4447                                 | 111                    | NA                                 | NA          |
| Quadro M4000M            | 4444                                 | 112                    | NA                                 | NA          |
| GRID P6-4Q               | 4429                                 | 113                    | NA                                 | NA          |
| FirePro W8000            | 4418                                 | 115                    | 4.21                               | \$1,048.99* |
| GeForce GTX 570          | 4418                                 | 114                    | 44.19                              | \$99.99*    |
| Radeon HD 7870           | 4366                                 | 116                    | 36.39                              | \$119.99    |
| GeForce GTX 480          | 4358                                 | 117                    | 60.55                              | \$71.99*    |
| GeForce GTX 680MX        | 4353                                 | 118                    | NA                                 | NA          |
| GRID K520                | 4340                                 | 119                    | NA                                 | NA          |
| Radeon RX 460            | 4339                                 | 120                    | 25.60                              | \$169.50    |
| Quadro M3000M            | 4319                                 | 121                    | NA                                 | NA          |
| Quadro M2000             | 4305                                 | 122                    | 10.79                              | \$399.00    |
| Radeon R9 270 / R7 370   | 4262                                 | 123                    | 28.82                              | \$147.91    |
| FirePro W7000            | 4250                                 | 124                    | 7.46                               | \$569.99*   |
| Radeon R9 M390X          | 4213                                 | 125                    | NA                                 | NA          |
| GeForce GTX 590          | 4209                                 | 126                    | 22.88                              | \$184.00*   |

| Videocard Name           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon R9 M290X          | 4177                                 | 127                    | NA                                 | NA          |
| GeForce GTX 775M         | 4170                                 | 128                    | NA                                 | NA          |
| FirePro S7000            | 4166                                 | 129                    | NA                                 | NA          |
| GeForce GTX 660          | 4127                                 | 130                    | 11.79                              | \$349.99*   |
| Quadro K5000             | 4022                                 | 131                    | 10.73                              | \$374.99    |
| GeForce GTX 970M         | 4021                                 | 132                    | 2.12                               | \$1,899.00* |
| GeForce GTX 780M         | 3997                                 | 133                    | NA                                 | NA          |
| FirePro W7000 Adapter    | 3963                                 | 134                    | NA                                 | NA          |
| Radeon Pro WX4100        | 3949                                 | 135                    | NA                                 | NA          |
| Radeon Pro WX 4100       | 3945                                 | 136                    | 14.09                              | \$279.99    |
| GRID M60-8Q              | 3909                                 | 137                    | NA                                 | NA          |
| Radeon HD 8970M          | 3876                                 | 138                    | NA                                 | NA          |
| Radeon RX480             | 3858                                 | 139                    | NA                                 | NA          |
| Radeon HD 7850           | 3836                                 | 140                    | 8.53                               | \$449.59    |
| Radeon HD 7970M          | 3814                                 | 141                    | NA                                 | NA          |
| GRID K2                  | 3772                                 | 142                    | 2.56                               | \$1,475.00  |
| Tesla C2050 / C2070      | 3756                                 | 143                    | NA                                 | NA          |
| GeForce GTX 750 Ti       | 3725                                 | 144                    | 12.46                              | \$299.01*   |
| GeForce GTX 880M         | 3649                                 | 145                    | NA                                 | NA          |
| GeForce GTX 470          | 3602                                 | 146                    | 6.90                               | \$522.01*   |
| Radeon R9 M470X          | 3593                                 | 147                    | NA                                 | NA          |
| Radeon Pro WX 3100       | 3585                                 | 148                    | NA                                 | NA          |
| Videocard Name           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Quadro K2200             | 3558                                 | 149                    | 10.17                              | \$349.99    |
| Radeon Pro 560           | 3553                                 | 150                    | NA                                 | NA          |
| GeForce GTX 650 Ti BOOST | 3536                                 | 151                    | NA                                 | NA          |
| GeForce GTX 560 Ti       | 3535                                 | 152                    | 25.62                              | \$138.00*   |
| Radeon HD 6970           | 3513                                 | 153                    | 36.99                              | \$94.99*    |
| Radeon RX 550            | 3501                                 | 154                    | 30.45                              | \$114.99    |
| Quadro 6000              | 3500                                 | 155                    | 6.61                               | \$529.50    |
| Tesla C2050              | 3465                                 | 156                    | NA                                 | NA          |
| Radeon Pro 460           | 3452                                 | 157                    | NA                                 | NA          |
| Radeon Pro WX 4150       | 3427                                 | 158                    | NA                                 | NA          |
| Quadro M2200             | 3371                                 | 159                    | NA                                 | NA          |
| GeForce GTX 680M         | 3362                                 | 160                    | 6.73                               | \$499.99*   |
| Radeon RX550             | 3342                                 | 161                    | NA                                 | NA          |
| Tesla C2075              | 3324                                 | 162                    | 1.46                               | \$2,269.99* |
| Radeon R7 360            | 3299                                 | 163                    | 22.50                              | \$146.65*   |
| GeForce GTX 750          | 3295                                 | 164                    | 21.83                              | \$150.99*   |
| Radeon HD 6950           | 3207                                 | 165                    | 35.64                              | \$89.99*    |
| FirePro V7000 Adapter    | 3161                                 | 166                    | NA                                 | NA          |
| Radeon R9 M380           | 3158                                 | 167                    | NA                                 | NA          |
| Radeon R7 260X           | 3154                                 | 168                    | 21.03                              | \$149.99*   |
| Radeon Pro 555           | 3140                                 | 169                    | NA                                 | NA          |
| GeForce GTX 965M         | 3133                                 | 170                    | NA                                 | NA          |
| Radeon HD8970M           | 3131                                 | 171                    | NA                                 | NA          |
| Radeon RX540             | 3122                                 | 172                    | NA                                 | NA          |
| GeForce GTX 560          | 3120                                 | 173                    | 8.82                               | \$353.59*   |
| Quadro P600              | 3098                                 | 174                    | 17.21                              | \$179.99    |
| Quadro K5100M            | 3078                                 | 175                    | NA                                 | NA          |
| Tesla C2070              | 3077                                 | 176                    | NA                                 | NA          |

| Videocard Name        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|-----------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7790        | 3064                                 | 177                    | 22.70                              | \$134.99*   |
| FirePro W5000         | 3059                                 | 178                    | 7.05                               | \$434.00*   |
| Radeon R9 360         | 3038                                 | 179                    | 5.86                               | \$519.00*   |
| Quadro K1200          | 3034                                 | 180                    | 10.14                              | \$299.25    |
| Radeon R9 260         | 3018                                 | 181                    | NA                                 | NA          |
| Radeon HD 8950        | 3015                                 | 182                    | NA                                 | NA          |
| FirePro W5100         | 3011                                 | 183                    | 10.79                              | \$279.13*   |
| GeForce GTX 465       | 2949                                 | 184                    | 11.20                              | \$263.28*   |
| GRID K260Q            | 2940                                 | 185                    | NA                                 | NA          |
| FirePro M6100         | 2907                                 | 186                    | NA                                 | NA          |
| Device                | 2898                                 | 187                    | NA                                 | NA          |
| FirePro W4300         | 2894                                 | 188                    | 12.06                              | \$239.99*   |
| Radeon R7 260         | 2891                                 | 189                    | 32.13                              | \$89.99*    |
| Quadro K4000          | 2879                                 | 190                    | 11.30                              | \$254.79    |
| Quadro M1200          | 2866                                 | 191                    | NA                                 | NA          |
| Radeon HD 6990        | 2858                                 | 192                    | 17.87                              | \$159.99*   |
| Quadro 5000           | 2829                                 | 193                    | 15.42                              | \$183.52    |
| FirePro 3D V9800      | 2811                                 | 194                    | 1.13                               | \$2,499.00* |
| Quadro M620           | 2785                                 | 195                    | NA                                 | NA          |
| Quadro M2000M         | 2770                                 | 196                    | NA                                 | NA          |
| Radeon Pro WX 4130    | 2767                                 | 197                    | NA                                 | NA          |
| Videocard Name        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| FirePro V9800 Adapter | 2730                                 | 198                    | NA                                 | NA          |
| Radeon Pro 450        | 2722                                 | 199                    | NA                                 | NA          |
| FirePro V7900         | 2717                                 | 200                    | 22.65                              | \$119.99*   |
| Barco MXRT 5500       | 2701                                 | 201                    | NA                                 | NA          |
| GeForce GTX 650 Ti    | 2658                                 | 202                    | 20.45                              | \$129.99*   |
| GeForce GTX 460       | 2655                                 | 203                    | 29.51                              | \$89.99*    |
| GeForce GTX 770M      | 2639                                 | 204                    | 14.83                              | \$177.99*   |
| Radeon HD 5870        | 2615                                 | 205                    | 26.16                              | \$99.99*    |
| Quadro K5000M         | 2609                                 | 206                    | 7.91                               | \$329.99*   |
| Radeon HD 6870        | 2605                                 | 207                    | 28.95                              | \$89.99*    |
| Radeon HD 5970        | 2594                                 | 208                    | 7.86                               | \$329.99*   |
| Quadro K2200M         | 2572                                 | 209                    | NA                                 | NA          |
| GeForce GTX 460 v2    | 2502                                 | 210                    | 12.51                              | \$199.99*   |
| Quadro K4100M         | 2497                                 | 211                    | 6.57                               | \$379.99*   |
| MxGPU                 | 2487                                 | 212                    | NA                                 | NA          |
| FirePro 3D V8800      | 2471                                 | 213                    | 5.82                               | \$424.99*   |
| GeForce GTX 675MX     | 2409                                 | 214                    | NA                                 | NA          |
| Radeon RX Vega 11     | 2383                                 | 215                    | NA                                 | NA          |
| GeForce GTX 485M      | 2382                                 | 216                    | NA                                 | NA          |
| GeForce GTX 870M      | 2377                                 | 217                    | NA                                 | NA          |
| Quadro K620           | 2326                                 | 218                    | 13.85                              | \$167.99    |
| GeForce GTX 580M      | 2323                                 | 219                    | NA                                 | NA          |
| Radeon Vega 11        | 2314                                 | 220                    | NA                                 | NA          |
| GeForce GTX 960A      | 2310                                 | 221                    | NA                                 | NA          |
| Radeon HD 6850        | 2279                                 | 222                    | 22.80                              | \$99.99*    |
| Radeon HD 5850        | 2274                                 | 223                    | 28.44                              | \$79.99*    |
| Radeon R7 250X        | 2268                                 | 224                    | 8.70                               | \$260.69    |
| Radeon R9 350         | 2264                                 | 225                    | 28.29                              | \$80.05     |
| GeForce GT 1030       | 2259                                 | 227                    | 28.97                              | \$77.99     |

| Videocard Name                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Quadro K4000M                  | 2259                                 | 226                    | NA                                 | NA          |
| GeForce GTX 460 SE             | 2247                                 | 228                    | 14.05                              | \$159.99*   |
| GRID K280Q                     | 2243                                 | 229                    | NA                                 | NA          |
| GeForce GT 645                 | 2215                                 | 230                    | NA                                 | NA          |
| Quadro M1000M                  | 2213                                 | 231                    | 11.02                              | \$200.89*   |
| Radeon HD 7770                 | 2212                                 | 232                    | 7.01                               | \$315.59    |
| GeForce GTX 560 SE             | 2204                                 | 233                    | 24.50                              | \$89.99*    |
| GeForce GTX 960M               | 2185                                 | 234                    | NA                                 | NA          |
| Firepro W5170M                 | 2182                                 | 235                    | NA                                 | NA          |
| RadeonT R7 450                 | 2179                                 | 236                    | NA                                 | NA          |
| GeForce GTX 745                | 2176                                 | 237                    | NA                                 | NA          |
| Radeon R7 450                  | 2171                                 | 238                    | 43.44                              | \$49.99*    |
| GeForce GTX 555                | 2157                                 | 239                    | NA                                 | NA          |
| Radeon R7 M465X                | 2149                                 | 240                    | NA                                 | NA          |
| Radeon TM R9 A360              | 2148                                 | 241                    | NA                                 | NA          |
| GRID K240Q                     | 2143                                 | 242                    | NA                                 | NA          |
| GeForce GTX 675M               | 2139                                 | 243                    | NA                                 | NA          |
| Radeon R9 M470                 | 2117                                 | 244                    | NA                                 | NA          |
| FirePro M5100                  | 2097                                 | 245                    | NA                                 | NA          |
| Intel Iris Pro P580            | 2080                                 | 246                    | NA                                 | NA          |
| Videocard Name                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce MX150                  | 2067                                 | 247                    | NA                                 | NA          |
| GeForce GTX 670MX              | 2063                                 | 248                    | NA                                 | NA          |
| Radeon R9 M375X                | 2062                                 | 249                    | NA                                 | NA          |
| Radeon HD 5830                 | 2046                                 | 250                    | 12.79                              | \$159.99*   |
| GeForce GTX 480M               | 2042                                 | 252                    | NA                                 | NA          |
| Radeon HD 6790                 | 2042                                 | 251                    | 31.43                              | \$64.99*    |
| Quadro 5000M                   | 2039                                 | 253                    | NA                                 | NA          |
| Quadro 4000                    | 2025                                 | 254                    | 11.51                              | \$175.97    |
| GeForce GTX 570M               | 2021                                 | 255                    | NA                                 | NA          |
| Radeon Vega 8                  | 1998                                 | 256                    | NA                                 | NA          |
| Radeon R7 + R7 350 Dual        | 1982                                 | 257                    | NA                                 | NA          |
| Quadro K3100M                  | 1981                                 | 258                    | 0.99                               | \$1,999.00* |
| Radeon R9 M360                 | 1976                                 | 259                    | NA                                 | NA          |
| Radeon R7 + HD 7700 Dual       | 1962                                 | 260                    | NA                                 | NA          |
| Radeon HD 7660D + HD 7700 Dual | 1958                                 | 261                    | NA                                 | NA          |
| Matrox C680 PCIe x16           | 1951                                 | 262                    | NA                                 | NA          |
| GeForce GTX 470M               | 1949                                 | 263                    | NA                                 | NA          |
| Radeon HD 6900M                | 1937                                 | 264                    | NA                                 | NA          |
| GeForce GTX 670M               | 1930                                 | 265                    | NA                                 | NA          |
| Radeon R9 M370X                | 1930                                 | 266                    | NA                                 | NA          |
| Radeon Vega 10                 | 1930                                 | 267                    | NA                                 | NA          |
| GeForce GTX 550 Ti             | 1927                                 | 268                    | 6.70                               | \$287.59*   |
| GeForce GTX 645                | 1923                                 | 269                    | NA                                 | NA          |
| GeForce GTX 765M               | 1877                                 | 270                    | NA                                 | NA          |
| GeForce MX130                  | 1863                                 | 271                    | NA                                 | NA          |
| Intel Iris Pro 580             | 1840                                 | 272                    | NA                                 | NA          |
| GeForce GTX 860M               | 1837                                 | 273                    | NA                                 | NA          |
| Radeon Pro WX 2100             | 1836                                 | 274                    | NA                                 | NA          |
| Radeon HD 8570D + HD 7700 Dual | 1834                                 | 275                    | NA                                 | NA          |
| GeForce GTX 650                | 1832                                 | 276                    | 12.65                              | \$144.81*   |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| Quadro 5010M                                       | 1824                                 | 277                    | 7.73                               | \$235.95*   |
| Quadro M600M                                       | 1819                                 | 278                    | NA                                 | NA          |
| Matrox C900 PCIe x16                               | 1812                                 | 279                    | NA                                 | NA          |
| Radeon R7 FX-9830P RADEON                          | 1810                                 | 280                    | NA                                 | NA          |
| FirePro 3D V7800                                   | 1809                                 | 281                    | 3.02                               | \$599.99*   |
| GeForce GTX 950M                                   | 1804                                 | 282                    | NA                                 | NA          |
| Radeon HD 8870M / R9 M270X / M370X                 | 1799                                 | 283                    | NA                                 | NA          |
| Quadro 4000M                                       | 1798                                 | 284                    | 6.02                               | \$299.00*   |
| Radeon HD 8670D + 7700 Dual                        | 1788                                 | 285                    | NA                                 | NA          |
| Radeon Vega 6                                      | 1784                                 | 286                    | NA                                 | NA          |
| Quadro K3000M                                      | 1765                                 | 288                    | 11.39                              | \$155.00*   |
| Radeon R9 255                                      | 1765                                 | 287                    | 5.09                               | \$347.07    |
| FirePro W4100 Adapter                              | 1740                                 | 289                    | NA                                 | NA          |
| Quadro P400  | 1736                                 | 290                    | 14.63                              | \$118.74    |
| FirePro M4000 Mobility Pro                         | 1721                                 | 291                    | NA                                 | NA          |
| Quadro K2000                                       | 1713                                 | 292                    | 8.36                               | \$205.00    |
| Quadro P500  | 1708                                 | 293                    | NA                                 | NA          |
| FirePro W600                                       | 1706                                 | 294                    | 3.56                               | \$479.99*   |
| FirePro M6000 Mobility Pro                         | 1705                                 | 296                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 5770                                     | 1705                                 | 295                    | 14.71                              | \$115.99*   |
| FirePro W5130M                                     | 1703                                 | 297                    | NA                                 | NA          |
| Radeon HD 7750                                     | 1699                                 | 298                    | 12.14                              | \$139.99    |
| Radeon HD 6770                                     | 1678                                 | 299                    | 21.80                              | \$76.99*    |
| Radeon Vega 8 Mobile                               | 1676                                 | 300                    | NA                                 | NA          |
| Quadro K2000D                                      | 1672                                 | 301                    | 3.36                               | \$498.00    |
| Radeon RX Vega 10                                  | 1659                                 | 302                    | NA                                 | NA          |
| Radeon 540   | 1643                                 | 303                    | NA                                 | NA          |
| Ryzen 7 2700U with Radeon Vega                     | 1641                                 | 304                    | NA                                 | NA          |
| Radeon HD 8870M                                    | 1638                                 | 305                    | NA                                 | NA          |
| Intel Iris 550                                     | 1621                                 | 306                    | NA                                 | NA          |
| FirePro W4100                                      | 1619                                 | 307                    | 10.12                              | \$159.99*   |
| GeForce GT 755M                                    | 1579                                 | 308                    | NA                                 | NA          |
| Radeon E8860                                       | 1577                                 | 309                    | NA                                 | NA          |
| GeForce GT 740                                     | 1575                                 | 310                    | 16.58                              | \$94.99*    |
| FirePro M4000                                      | 1574                                 | 311                    | NA                                 | NA          |
| GeForce GTX 850M                                   | 1559                                 | 312                    | NA                                 | NA          |
| GeForce GTS 450                                    | 1557                                 | 313                    | 23.97                              | \$64.99*    |
| GeForce GTX 560M                                   | 1554                                 | 314                    | NA                                 | NA          |
| Radeon HD 4890                                     | 1538                                 | 315                    | 13.99                              | \$109.99*   |
| GeForce GTX 950A                                   | 1532                                 | 316                    | NA                                 | NA          |
| Intel Iris Pro Graphics 6200                       | 1529                                 | 317                    | NA                                 | NA          |
| Radeon R5 A10-9630P RADEON R5, 10 COMPUTE CORES 4C | 1527                                 | 318                    | NA                                 | NA          |
| FirePro V5900                                      | 1526                                 | 319                    | 4.77                               | \$319.99*   |
| Intel Iris Plus 650                                | 1511                                 | 320                    | NA                                 | NA          |
| Ryzen 5 2500U with Radeon Vega                     | 1495                                 | 321                    | NA                                 | NA          |
| Radeon R9 M275X / M375                             | 1490                                 | 322                    | NA                                 | NA          |
| Radeon HD 7660D + HD 6670 Dual                     | 1484                                 | 323                    | NA                                 | NA          |
| Quadro M520  | 1479                                 | 324                    | NA                                 | NA          |
| Radeon HD 7870M                                    | 1477                                 | 325                    | NA                                 | NA          |

| Videocard Name                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce 945M                   | 1466                                 | 326                    | NA                                 | NA          |
| Quadro 3000M                   | 1455                                 | 327                    | 28.54                              | \$50.99*    |
| FirePro 3D V5800               | 1449                                 | 329                    | 3.92                               | \$369.99*   |
| Intel HD P630                  | 1449                                 | 328                    | NA                                 | NA          |
| Radeon HD 5750                 | 1436                                 | 330                    | 20.69                              | \$69.41*    |
| Radeon HD 7730                 | 1433                                 | 331                    | 28.67                              | \$49.99*    |
| GeForce GTX 660M               | 1429                                 | 332                    | NA                                 | NA          |
| Radeon HD 7560D + 7670 Dual    | 1426                                 | 333                    | NA                                 | NA          |
| Radeon R7 430                  | 1421                                 | 334                    | NA                                 | NA          |
| Radeon R9 M270X                | 1417                                 | 335                    | NA                                 | NA          |
| GeForce GTX 760M               | 1416                                 | 336                    | NA                                 | NA          |
| Radeon R7 250                  | 1407                                 | 337                    | 18.90                              | \$74.51     |
| GeForce GTX 460M               | 1394                                 | 338                    | NA                                 | NA          |
| Intel Iris Plus 640            | 1394                                 | 339                    | NA                                 | NA          |
| Radeon R7 M370                 | 1384                                 | 340                    | NA                                 | NA          |
| Radeon HD 4870                 | 1381                                 | 341                    | 23.03                              | \$59.99*    |
| Radeon R7 PRO A12-8870         | 1375                                 | 342                    | NA                                 | NA          |
| Radeon HD 7850M                | 1372                                 | 343                    | NA                                 | NA          |
| Radeon R7 PRO A10-9700         | 1367                                 | 344                    | NA                                 | NA          |
| Videocard Name                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 8670D + 6670 Dual    | 1361                                 | 345                    | NA                                 | NA          |
| FirePro M40003                 | 1358                                 | 346                    | NA                                 | NA          |
| Intel Iris 540                 | 1349                                 | 347                    | NA                                 | NA          |
| Radeon HD 7560D + HD 7700 Dual | 1346                                 | 349                    | NA                                 | NA          |
| Radeon R7 PRO A12-9800         | 1346                                 | 348                    | NA                                 | NA          |
| FireStream 9270                | 1341                                 | 350                    | NA                                 | NA          |
| Barco MXRT 5400                | 1334                                 | 351                    | NA                                 | NA          |
| Radeon R7 PRO A10-8770         | 1319                                 | 352                    | NA                                 | NA          |
| Radeon HD 8790M                | 1317                                 | 353                    | NA                                 | NA          |
| Quadro 2000                    | 1315                                 | 354                    | 11.05                              | \$118.99    |
| Radeon HD 6750                 | 1315                                 | 355                    | 26.31                              | \$49.99*    |
| FirePro M5950                  | 1314                                 | 356                    | NA                                 | NA          |
| Radeon Vega 11 Mobile          | 1312                                 | 357                    | NA                                 | NA          |
| Quadro K2100M                  | 1309                                 | 358                    | 8.18                               | \$159.99*   |
| Radeon HD 4870 X2              | 1308                                 | 359                    | NA                                 | NA          |
| Radeon R7 M465                 | 1306                                 | 360                    | NA                                 | NA          |
| GeForce 940MX                  | 1305                                 | 361                    | NA                                 | NA          |
| FirePro V4900                  | 1299                                 | 362                    | 8.96                               | \$144.99*   |
| GeForce GT 545                 | 1295                                 | 363                    | 23.30                              | \$55.59*    |
| Radeon R7 + R7 200 Dual        | 1289                                 | 364                    | NA                                 | NA          |
| GeForce GT 750M                | 1288                                 | 365                    | NA                                 | NA          |
| GeForce GT 640                 | 1281                                 | 368                    | 21.35                              | \$59.99*    |
| GeForce GTX 760A               | 1281                                 | 366                    | NA                                 | NA          |
| Radeon R7 A370                 | 1281                                 | 367                    | NA                                 | NA          |
| Quadro 2000D                   | 1278                                 | 369                    | 6.12                               | \$209.00*   |
| FirePro 3D V8750               | 1271                                 | 371                    | 1.03                               | \$1,230.99* |
| Radeon R9 M265X                | 1271                                 | 370                    | NA                                 | NA          |
| GeForce GTX 285                | 1270                                 | 372                    | 7.06                               | \$179.99*   |
| FirePro W4170M                 | 1269                                 | 374                    | NA                                 | NA          |
| Firepro W4190M                 | 1269                                 | 373                    | NA                                 | NA          |
| Radeon HD 8570D + HD 6670 Dual | 1260                                 | 375                    | NA                                 | NA          |



| Videocard Name                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon R7 PRO A8-8670E         | 1248                                 | 376                    | NA                                 | NA          |
| GeForce GTX 275                | 1240                                 | 377                    | 10.34                              | \$119.99*   |
| Radeon HD 8570D + 6570 Dual    | 1239                                 | 378                    | NA                                 | NA          |
| Radeon HD 7660D + 6670 Dual    | 1238                                 | 379                    | NA                                 | NA          |
| Mobility Radeon HD 5870        | 1237                                 | 380                    | NA                                 | NA          |
| Radeon HD 8790M / R9 M290X     | 1236                                 | 381                    | NA                                 | NA          |
| Radeon R7 A12-9800 RADEON      | 1234                                 | 382                    | NA                                 | NA          |
| Radeon R7 A10-9700 RADEON      | 1223                                 | 383                    | NA                                 | NA          |
| Radeon HD 8670D + HD 6670 Dual | 1221                                 | 384                    | NA                                 | NA          |
| GeForce GT 650M                | 1220                                 | 385                    | NA                                 | NA          |
| Radeon R9 M375                 | 1214                                 | 386                    | NA                                 | NA          |
| FirePro 3D V8700               | 1207                                 | 387                    | 6.04                               | \$199.99*   |
| FirePro V4800                  | 1204                                 | 388                    | NA                                 | NA          |
| GeForce 930A                   | 1203                                 | 389                    | NA                                 | NA          |
| GeForce GTX 280                | 1201                                 | 390                    | 2.30                               | \$522.78*   |
| Radeon R7 M350                 | 1198                                 | 391                    | NA                                 | NA          |
| Radeon HD 7750M                | 1191                                 | 392                    | NA                                 | NA          |
| Radeon R7 A12-9800E RADEON     | 1185                                 | 393                    | NA                                 | NA          |
| Videocard Name                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon R7 PRO A10-8770E        | 1185                                 | 394                    | NA                                 | NA          |
| Radeon 530                     | 1184                                 | 395                    | NA                                 | NA          |
| Quadro 2000 D                  | 1182                                 | 396                    | NA                                 | NA          |
| GeForce GPU                    | 1171                                 | 397                    | NA                                 | NA          |
| Radeon R7 A10-7890K            | 1171                                 | 398                    | NA                                 | NA          |
| Intel Iris Pro 5200            | 1169                                 | 399                    | NA                                 | NA          |
| GeForce 930MX                  | 1167                                 | 400                    | NA                                 | NA          |
| FireStream 9250                | 1164                                 | 401                    | NA                                 | NA          |
| Radeon R7 PRO A12-8870E        | 1160                                 | 402                    | NA                                 | NA          |
| Radeon Vega 3                  | 1157                                 | 403                    | NA                                 | NA          |
| NVS 810                        | 1153                                 | 404                    | 1.85                               | \$624.99    |
| Radeon HD 4850 X2              | 1147                                 | 405                    | NA                                 | NA          |
| Radeon HD 8850M / R9 M265X     | 1139                                 | 406                    | NA                                 | NA          |
| Intel UHD 630                  | 1137                                 | 407                    | NA                                 | NA          |
| Radeon R7 A10-7870K            | 1136                                 | 408                    | NA                                 | NA          |
| GeForce GT 745A                | 1135                                 | 409                    | NA                                 | NA          |
| GeForce GTX 260                | 1132                                 | 410                    | 11.87                              | \$95.38*    |
| Radeon HD 7560D + 6670 Dual    | 1130                                 | 411                    | NA                                 | NA          |
| Radeon R7 PRO A10-9700E        | 1127                                 | 412                    | NA                                 | NA          |
| Intel HD 630                   | 1124                                 | 413                    | NA                                 | NA          |
| Radeon R7 M260X                | 1114                                 | 414                    | NA                                 | NA          |
| RadeonT R5 430                 | 1112                                 | 415                    | NA                                 | NA          |
| Radeon R9 M275                 | 1111                                 | 416                    | 1.59                               | \$699.99    |
| FirePro M4150                  | 1102                                 | 418                    | NA                                 | NA          |
| Radeon HD 7670                 | 1102                                 | 417                    | NA                                 | NA          |
| GeForce 845M                   | 1101                                 | 420                    | NA                                 | NA          |
| Radeon R7 A8-9600 RADEON       | 1101                                 | 419                    | NA                                 | NA          |
| Radeon HD 7660D + 6570 Dual    | 1100                                 | 421                    | NA                                 | NA          |
| Quadro FX 5800                 | 1095                                 | 422                    | 5.63                               | \$194.39*   |
| FirePro M4170                  | 1086                                 | 423                    | NA                                 | NA          |
| Quadro K2000M                  | 1082                                 | 426                    | 7.22                               | \$149.95*   |
| Radeon R7 PRO A10-9700B        | 1082                                 | 424                    | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon R7 PRO A8-9600                              | 1082                                 | 425                    | NA                                 | NA          |
| Radeon HD 5670                                     | 1080                                 | 427                    | 22.59                              | \$47.84*    |
| FirePro 3D V4800                                   | 1079                                 | 428                    | 6.75                               | \$159.99*   |
| Intel HD P530                                      | 1073                                 | 429                    | NA                                 | NA          |
| Radeon R5 340                                      | 1066                                 | 430                    | NA                                 | NA          |
| Radeon R7 A10-9700E RADEON                         | 1065                                 | 431                    | NA                                 | NA          |
| Firepro M4100                                      | 1062                                 | 432                    | NA                                 | NA          |
| Radeon HD 7660D + 7670 Dual                        | 1061                                 | 433                    | NA                                 | NA          |
| Radeon R7 PRO A12-9800E                            | 1061                                 | 434                    | NA                                 | NA          |
| Radeon HD 7520G + 7700M Dual                       | 1060                                 | 435                    | NA                                 | NA          |
| Radeon R5 PRO A6-8570 R5, 8 COMPUTE CORES 2C+6G    | 1060                                 | 436                    | NA                                 | NA          |
| Radeon HD 8750M                                    | 1059                                 | 437                    | NA                                 | NA          |
| Radeon HD 6670                                     | 1058                                 | 439                    | 10.28                              | \$102.99*   |
| Radeon R7 M460                                     | 1058                                 | 438                    | NA                                 | NA          |
| GeForce GT 445M                                    | 1055                                 | 440                    | NA                                 | NA          |
| GeForce GTX 295                                    | 1053                                 | 441                    | 6.58                               | \$159.99*   |
| Radeon HD 7670A                                    | 1048                                 | 442                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon R5 A6-9500 RADEON R5, 8 COMPUTE CORES 2C+6G | 1048                                 | 443                    | NA                                 | NA          |
| Radeon HD 7640G + HD 8750M Dual                    | 1047                                 | 444                    | NA                                 | NA          |
| Radeon Vega 10 Mobile                              | 1047                                 | 445                    | NA                                 | NA          |
| Radeon R7 + R7 240 Dual                            | 1045                                 | 446                    | NA                                 | NA          |
| Quadro 2000M                                       | 1044                                 | 447                    | 22.43                              | \$46.56*    |
| Radeon HD 4770                                     | 1041                                 | 449                    | NA                                 | NA          |
| Radeon R7 340                                      | 1041                                 | 448                    | NA                                 | NA          |
| GeForce 920MX                                      | 1037                                 | 450                    | NA                                 | NA          |
| Radeon R5 430                                      | 1036                                 | 451                    | NA                                 | NA          |
| Radeon R7 M445                                     | 1033                                 | 452                    | NA                                 | NA          |
| Radeon HD 8570D + HD 8570 Dual                     | 1032                                 | 453                    | NA                                 | NA          |
| Radeon R7 Opteron X3421                            | 1030                                 | 454                    | NA                                 | NA          |
| Intel Coffee Lake UHD                              | 1029                                 | 455                    | NA                                 | NA          |
| Radeon HD7570                                      | 1028                                 | 456                    | NA                                 | NA          |
| Radeon R7 + R5 330 Dual                            | 1028                                 | 457                    | NA                                 | NA          |
| Radeon R7 A8-7500                                  | 1027                                 | 458                    | NA                                 | NA          |
| Radeon HD 4850                                     | 1025                                 | 459                    | 11.40                              | \$89.99*    |
| Radeon R7 A10-7850K                                | 1023                                 | 460                    | NA                                 | NA          |
| Radeon HD 8600/8700M                               | 1020                                 | 461                    | NA                                 | NA          |
| Radeon HD 8670D + R7 240 Dual                      | 1020                                 | 462                    | NA                                 | NA          |
| Quadro M500M                                       | 1016                                 | 463                    | NA                                 | NA          |
| Radeon HD 7690M XT                                 | 1009                                 | 464                    | NA                                 | NA          |
| Radeon R7 A10 PRO-7850B                            | 1008                                 | 465                    | NA                                 | NA          |
| Quadro K1100M                                      | 1007                                 | 466                    | 12.76                              | \$79.00*    |
| Radeon HD 6700M                                    | 1006                                 | 467                    | NA                                 | NA          |
| Radeon HD 7690M                                    | 1003                                 | 468                    | NA                                 | NA          |
| Quadro FX 4800                                     | 1000                                 | 469                    | 5.88                               | \$169.99    |
| Radeon HD 7660G + HD 7500M/7600M Dual              | 999                                  | 471                    | NA                                 | NA          |
| Radeon HD 8570D + R7 200 Dual                      | 999                                  | 470                    | NA                                 | NA          |
| Intel HD 530                                       | 997                                  | 473                    | NA                                 | NA          |
| Intel UHD Graphics 620                             | 997                                  | 472                    | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon R7 A10-7860K                                | 997                                  | 474                    | NA                                 | NA          |
| Radeon HD 7730M                                    | 994                                  | 475                    | NA                                 | NA          |
| Barco MXRT 5450                                    | 992                                  | 476                    | NA                                 | NA          |
| GeForce 830A                                       | 990                                  | 477                    | NA                                 | NA          |
| Radeon R7 A265                                     | 987                                  | 478                    | NA                                 | NA          |
| Radeon HD 8570                                     | 986                                  | 479                    | NA                                 | NA          |
| Radeon R7 A10-8750                                 | 986                                  | 480                    | NA                                 | NA          |
| Radeon HD 8690M                                    | 984                                  | 481                    | NA                                 | NA          |
| Radeon HD 7570                                     | 983                                  | 482                    | NA                                 | NA          |
| Radeon HD 7560D + 7560D Dual                       | 982                                  | 483                    | NA                                 | NA          |
| Radeon HD 6800M                                    | 981                                  | 484                    | NA                                 | NA          |
| Radeon R7 PRO A12-8830B                            | 979                                  | 485                    | NA                                 | NA          |
| Radeon R7 240                                      | 975                                  | 486                    | 17.75                              | \$54.99     |
| GeForce 940M                                       | 974                                  | 487                    | NA                                 | NA          |
| Radeon HD 8730M                                    | 973                                  | 488                    | NA                                 | NA          |
| Intel Iris 6100                                    | 969                                  | 489                    | NA                                 | NA          |
| Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D | 966                                  | 490                    | NA                                 | NA          |
| Radeon R5 PRO A6-9500E R5, 6 COMPUTE CORES 2C+4G   | 966                                  | 491                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 6770M                                    | 964                                  | 492                    | NA                                 | NA          |
| GeForce GT 745M                                    | 963                                  | 495                    | NA                                 | NA          |
| Radeon HD 5600/5700                                | 963                                  | 494                    | NA                                 | NA          |
| Radeon HD 8570D + R7 240 Dual                      | 963                                  | 493                    | NA                                 | NA          |
| Radeon E6760                                       | 962                                  | 496                    | 4.01                               | \$239.99*   |
| Radeon HD 4830                                     | 955                                  | 497                    | 15.93                              | \$59.99*    |
| GeForce GT 640M                                    | 952                                  | 498                    | NA                                 | NA          |
| Radeon HD 8670D + R7 200 Dual                      | 949                                  | 499                    | NA                                 | NA          |
| Quadro CX  | 947                                  | 500                    | 6.32                               | \$149.95*   |
| Radeon R7 PRO A10-8850B                            | 945                                  | 501                    | NA                                 | NA          |
| Radeon HD 7660D + R7 240 Dual                      | 941                                  | 502                    | NA                                 | NA          |
| Radeon R7 M440                                     | 940                                  | 503                    | NA                                 | NA          |
| Radeon HD 6750M                                    | 939                                  | 504                    | NA                                 | NA          |
| Radeon HD 8650G                                    | 938                                  | 505                    | NA                                 | NA          |
| GeForce 930M                                       | 933                                  | 507                    | NA                                 | NA          |
| Radeon R7 A8-7600                                  | 933                                  | 506                    | NA                                 | NA          |
| Radeon HD 7660G + 7730M Dual                       | 931                                  | 508                    | NA                                 | NA          |
| Radeon R7 240 + HD 8670D Dual                      | 930                                  | 509                    | NA                                 | NA          |
| Intel HD Graphics 620                              | 926                                  | 510                    | NA                                 | NA          |
| GeForce 920A                                       | 925                                  | 511                    | NA                                 | NA          |
| GeForce GT 730                                     | 924                                  | 512                    | 14.22                              | \$64.99     |
| Radeon R7 PRO A10-8750B                            | 921                                  | 513                    | NA                                 | NA          |
| Radeon HD 8690A                                    | 919                                  | 514                    | NA                                 | NA          |
| GeForce GT 635                                     | 917                                  | 516                    | NA                                 | NA          |
| Radeon R7 240 + HD 8570D Dual                      | 917                                  | 515                    | NA                                 | NA          |
| Radeon R7 PRO A12-9800B                            | 917                                  | 517                    | NA                                 | NA          |
| GRID K220Q   | 912                                  | 518                    | NA                                 | NA          |
| Radeon R7 A12-9720P RADEON                         | 910                                  | 520                    | NA                                 | NA          |
| Radeon R7 A8-8650                                  | 910                                  | 519                    | NA                                 | NA          |
| GeForce 9800 GTX+                                  | 903                                  | 521                    | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce 840M                                       | 902                                  | 522                    | NA                                 | NA          |
| Radeon R7 M365X                                    | 901                                  | 523                    | NA                                 | NA          |
| Radeon R7 A10-7700K                                | 900                                  | 524                    | NA                                 | NA          |
| FirePro W2100                                      | 899                                  | 525                    | 7.89                               | \$113.99*   |
| Radeon HD 8850M                                    | 898                                  | 526                    | NA                                 | NA          |
| GeForce GT 555M                                    | 895                                  | 527                    | NA                                 | NA          |
| Radeon R7 PRO A8-8650B                             | 892                                  | 528                    | NA                                 | NA          |
| Radeon R7 A10-7800                                 | 887                                  | 529                    | NA                                 | NA          |
| Radeon R7 + R5 435 Dual A10-9700 RADEON            | 885                                  | 530                    | NA                                 | NA          |
| GeForce 9800 GTX/9800 GTX+                         | 883                                  | 531                    | 9.82                               | \$89.99*    |
| Radeon HD 8650G + 7670M Dual                       | 883                                  | 532                    | NA                                 | NA          |
| Radeon HD 7660G + HD 7730M Dual                    | 881                                  | 533                    | NA                                 | NA          |
| GeForce GTS 250                                    | 880                                  | 536                    | 7.65                               | \$114.99*   |
| GRID K1  | 880                                  | 535                    | 0.59                               | \$1,499.00  |
| Radeon R5 PRO A10-8730B R5, 10 COMPUTE CORES 4C+6G | 880                                  | 534                    | NA                                 | NA          |
| Radeon R7 A12-9730P RADEON                         | 879                                  | 537                    | NA                                 | NA          |
| GeForce 840A                                       | 876                                  | 538                    | NA                                 | NA          |
| GeForce GT 645M                                    | 874                                  | 539                    | NA                                 | NA          |
| Radeon HD 3870 X2                                  | 873                                  | 540                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| FirePro V3900                                      | 870                                  | 541                    | 6.70                               | \$129.99*   |
| Radeon R7 A8-7650K                                 | 870                                  | 542                    | NA                                 | NA          |
| Radeon R5 PRO A8-9600B R5, 10 COMPUTE CORES 4C+6G  | 869                                  | 543                    | NA                                 | NA          |
| Radeon HD 8570D + HD 6570 Dual                     | 868                                  | 544                    | NA                                 | NA          |
| GeForce 830M                                       | 867                                  | 546                    | NA                                 | NA          |
| Radeon R7 A10 PRO-7800B                            | 867                                  | 545                    | NA                                 | NA          |
| Radeon HD 8500M/8700M                              | 863                                  | 547                    | NA                                 | NA          |
| Quadro K620M                                       | 859                                  | 548                    | NA                                 | NA          |
| Mobility Radeon HD 4850                            | 858                                  | 549                    | NA                                 | NA          |
| Radeon R7 FX-9800P RADEON                          | 857                                  | 550                    | 1.72                               | \$499.02    |
| Radeon HD 8550G + HD 7600M Dual                    | 854                                  | 551                    | NA                                 | NA          |
| Radeon R7 A8-7500 Radeon R7, 10 Compute Cores 4C+6 | 853                                  | 552                    | NA                                 | NA          |
| Radeon R7 A8-7670K                                 | 850                                  | 553                    | NA                                 | NA          |
| GeForce GT 440                                     | 841                                  | 554                    | 12.02                              | \$69.99*    |
| Quadro FX 3800                                     | 840                                  | 555                    | 6.52                               | \$129.00    |
| Radeon R5 PRO A6-8570E R5, 6 COMPUTE CORES 2C+4G   | 839                                  | 556                    | NA                                 | NA          |
| Quadro K420  | 837                                  | 557                    | 6.85                               | \$122.17    |
| Radeon HD 8670D + R5 235 Dual                      | 836                                  | 558                    | NA                                 | NA          |
| GeForce 8800 GTS 512                               | 835                                  | 559                    | NA                                 | NA          |
| Radeon HD 8650G + 8600/8700M Dual                  | 835                                  | 560                    | NA                                 | NA          |
| Radeon HD 7560D + 6570 Dual                        | 833                                  | 561                    | NA                                 | NA          |
| Radeon HD 7660G + 7600M Dual                       | 831                                  | 562                    | NA                                 | NA          |
| Intel HD 520                                       | 828                                  | 563                    | NA                                 | NA          |
| Intel HD 6000                                      | 828                                  | 564                    | NA                                 | NA          |
| Quadro K600  | 827                                  | 565                    | 10.75                              | \$76.99     |
| GeForce GTS 240                                    | 825                                  | 566                    | 12.70                              | \$64.99*    |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7640G N HD 7640G + HD 7600M N HD 7600M D | 824                                  | 568                    | NA                                 | NA          |
| Radeon R7 A10 Extreme Edition                      | 824                                  | 567                    | NA                                 | NA          |
| GeForce GT 730M                                    | 819                                  | 571                    | NA                                 | NA          |
| Radeon HD 8550G + HD 8750M Dual                    | 819                                  | 570                    | NA                                 | NA          |
| Radeon HD 8650G + HD 7600M Dual                    | 819                                  | 569                    | NA                                 | NA          |
| Radeon R7 M265                                     | 817                                  | 572                    | NA                                 | NA          |
| Radeon HD 7670M                                    | 813                                  | 573                    | 1.29                               | \$629.99*   |
| Radeon HD 8550G + HD 8600/8700M Dual               | 813                                  | 574                    | NA                                 | NA          |
| GeForce 940A                                       | 810                                  | 575                    | NA                                 | NA          |
| Radeon R7 FX-8800P                                 | 805                                  | 576                    | NA                                 | NA          |
| Quadro FX 3800M                                    | 803                                  | 577                    | NA                                 | NA          |
| GeForce GTX 850A                                   | 802                                  | 578                    | NA                                 | NA          |
| Radeon HD 8550G + 8600/8700M Dual                  | 802                                  | 579                    | NA                                 | NA          |
| GeForce 9800 GX2                                   | 800                                  | 581                    | NA                                 | NA          |
| Radeon R5 A10-9600P RADEON R5, 10 COMPUTE CORES 4C | 800                                  | 580                    | NA                                 | NA          |
| Radeon HD 4810                                     | 799                                  | 582                    | NA                                 | NA          |
| Radeon HD 7660G                                    | 799                                  | 583                    | NA                                 | NA          |
| Radeon HD 8550G + 8750M Dual                       | 795                                  | 584                    | NA                                 | NA          |
| Radeon HD 7650A                                    | 793                                  | 585                    | 3.03                               | \$262.00*   |
| Quadro K1000M                                      | 792                                  | 587                    | 5.28                               | \$149.90*   |
| Radeon HD 3850 X2                                  | 792                                  | 586                    | NA                                 | NA          |
| Radeon HD 8670D                                    | 791                                  | 588                    | NA                                 | NA          |
| Radeon HD 8650G + 8750M Dual                       | 787                                  | 589                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GT 640M LE                                 | 786                                  | 590                    | 0.93                               | \$849.99*   |
| GeForce 730A                                       | 785                                  | 591                    | NA                                 | NA          |
| Radeon HD 7660D                                    | 784                                  | 592                    | NA                                 | NA          |
| GeForce 8800 Ultra                                 | 783                                  | 593                    | NA                                 | NA          |
| Radeon HD 8650G + HD 8750M Dual                    | 783                                  | 594                    | NA                                 | NA          |
| Radeon HD 7660G + HD 7600M Dual                    | 782                                  | 596                    | NA                                 | NA          |
| Radeon R7 PRO A12-8800B                            | 782                                  | 595                    | NA                                 | NA          |
| GeForce GT 740M                                    | 780                                  | 597                    | NA                                 | NA          |
| GRID K180Q   | 778                                  | 598                    | NA                                 | NA          |
| Intel HD 5200                                      | 777                                  | 599                    | NA                                 | NA          |
| GeForce GT 340                                     | 775                                  | 600                    | 14.64                              | \$52.99*    |
| Mobility Radeon HD 5000                            | 773                                  | 603                    | NA                                 | NA          |
| Radeon HD 7600M + 7600M Dual                       | 773                                  | 601                    | NA                                 | NA          |
| Radeon HD 8650G N HD 8650G + HD 8570M Dual         | 773                                  | 602                    | NA                                 | NA          |
| GeForce 9800 GTX                                   | 769                                  | 604                    | NA                                 | NA          |
| Mobility Radeon HD 5850                            | 765                                  | 605                    | NA                                 | NA          |
| NVS 510  | 765                                  | 607                    | 2.95                               | \$258.99    |
| NVS 5400M  | 765                                  | 606                    | NA                                 | NA          |
| Radeon HD 8650G + HD 8600/8700M Dual               | 765                                  | 608                    | NA                                 | NA          |
| GeForce 8800 GTX                                   | 763                                  | 610                    | NA                                 | NA          |
| Radeon R7 M340                                     | 763                                  | 609                    | NA                                 | NA          |
| Radeon 520   | 762                                  | 612                    | NA                                 | NA          |
| Radeon R5 A10-9620P RADEON R5, 10 COMPUTE CORES 4C | 762                                  | 611                    | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 6570                                     | 760                                  | 613                    | 15.21                              | \$49.99*    |
| GeForce GT 140                                     | 757                                  | 614                    | NA                                 | NA          |
| GeForce GTS 360M                                   | 757                                  | 615                    | NA                                 | NA          |
| Radeon HD 7660G + 7700M Dual                       | 757                                  | 617                    | NA                                 | NA          |
| Radeon R5 420                                      | 757                                  | 616                    | NA                                 | NA          |
| Quadro 1100M                                       | 755                                  | 618                    | NA                                 | NA          |
| GeForce 825M                                       | 754                                  | 619                    | NA                                 | NA          |
| Radeon R5 M255                                     | 754                                  | 620                    | NA                                 | NA          |
| Radeon HD 8570D + HD 7000 Dual                     | 753                                  | 621                    | NA                                 | NA          |
| Quadro K610M                                       | 752                                  | 622                    | 10.04                              | \$75.00*    |
| Radeon HD 7660G + HD 7700M Dual                    | 751                                  | 623                    | NA                                 | NA          |
| GeForce 8800 GT                                    | 750                                  | 624                    | NA                                 | NA          |
| Quadro 1000M                                       | 749                                  | 625                    | 4.29                               | \$174.95*   |
| GeForce GT 630                                     | 746                                  | 626                    | 7.52                               | \$99.21*    |
| Radeon R7 M270                                     | 745                                  | 627                    | NA                                 | NA          |
| Radeon HD 7660G + 7610M Dual                       | 744                                  | 628                    | NA                                 | NA          |
| GeForce GT 530                                     | 743                                  | 631                    | 15.16                              | \$49.00*    |
| Radeon HD 7660G + 7670M Dual                       | 743                                  | 630                    | NA                                 | NA          |
| Radeon R5 235 + HD 7560D Dual                      | 743                                  | 629                    | NA                                 | NA          |
| Intel Iris 5100                                    | 741                                  | 633                    | NA                                 | NA          |
| Radeon HD 8650G + 7600M Dual                       | 741                                  | 632                    | NA                                 | NA          |
| GeForce GTX 285M                                   | 740                                  | 634                    | NA                                 | NA          |
| Radeon 6600M                                       | 738                                  | 635                    | NA                                 | NA          |
| Radeon HD 7670M + 7670M Dual                       | 738                                  | 636                    | NA                                 | NA          |
| Radeon R7 A8 PRO-7600B                             | 733                                  | 637                    | NA                                 | NA          |
| GeForce 9600 GT                                    | 732                                  | 638                    | 18.32                              | \$39.99*    |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GT 730A                                    | 732                                  | 639                    | NA                                 | NA          |
| Radeon HD 7550M/7650M                              | 732                                  | 640                    | NA                                 | NA          |
| GeForce 920M                                       | 730                                  | 641                    | NA                                 | NA          |
| Radeon R7 A12-9700P RADEON                         | 729                                  | 642                    | NA                                 | NA          |
| GRID K140Q   | 727                                  | 643                    | NA                                 | NA          |
| GeForce GT 550M                                    | 722                                  | 646                    | NA                                 | NA          |
| Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D | 722                                  | 644                    | NA                                 | NA          |
| Radeon HD 8650G + R5 M200 Dual                     | 722                                  | 645                    | NA                                 | NA          |
| Radeon HD 3870                                     | 721                                  | 647                    | 12.44                              | \$58.00*    |
| Radeon HD 7650M                                    | 721                                  | 648                    | NA                                 | NA          |
| Mobility Radeon HD 4870                            | 719                                  | 649                    | NA                                 | NA          |
| Radeon HD 7540D + 6570 Dual                        | 719                                  | 650                    | NA                                 | NA          |
| Radeon HD 6650M                                    | 718                                  | 651                    | NA                                 | NA          |
| Radeon HD 8670D + HD 7000 Dual                     | 718                                  | 652                    | NA                                 | NA          |
| GeForce GT 720                                     | 717                                  | 653                    | 13.05                              | \$54.99*    |
| Radeon HD 8470D + 6450 Dual                        | 717                                  | 654                    | NA                                 | NA          |
| Radeon HD 8650G + HD 8570M Dual                    | 716                                  | 655                    | NA                                 | NA          |
| Radeon R5 PRO A6-8530B R5, 6 COMPUTE CORES 2C+4G   | 715                                  | 656                    | NA                                 | NA          |
| Radeon HD 5570                                     | 713                                  | 657                    | 4.24                               | \$168.40    |
| Mobility Radeon HD 5570                            | 711                                  | 658                    | NA                                 | NA          |
| Radeon HD 7660G + HD 8670M Dual                    | 711                                  | 660                    | NA                                 | NA          |
| Radeon R7 M360                                     | 711                                  | 659                    | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce 9800 GT                                    | 710                                  | 661                    | 6.83                               | \$103.99*   |
| Intel HD 4600                                      | 710                                  | 662                    | NA                                 | NA          |
| GeForce GT 820M                                    | 709                                  | 663                    | NA                                 | NA          |
| Radeon HD 6550A                                    | 707                                  | 664                    | NA                                 | NA          |
| Radeon HD 7640G + HD 7600M Dual                    | 706                                  | 667                    | NA                                 | NA          |
| Radeon HD 7660G + HD 7670M Dual                    | 706                                  | 665                    | NA                                 | NA          |
| Radeon HD 8550G                                    | 706                                  | 666                    | NA                                 | NA          |
| Intel HD 610                                       | 705                                  | 669                    | NA                                 | NA          |
| Intel HD 615                                       | 705                                  | 668                    | NA                                 | NA          |
| Radeon HD 7640G + 7600M Dual                       | 705                                  | 670                    | NA                                 | NA          |
| Radeon HD 7660G N HD 7660G + HD 7670M Dual         | 704                                  | 671                    | NA                                 | NA          |
| GRID K160Q   | 701                                  | 672                    | NA                                 | NA          |
| Radeon HD 7570M/HD 7670M                           | 699                                  | 674                    | NA                                 | NA          |
| TRINITY DEVASTATOR MOBILE                          | 699                                  | 673                    | NA                                 | NA          |
| Quadro 600   | 696                                  | 676                    | 16.20                              | \$42.99     |
| Radeon HD 7640G + HD 8570M Dual                    | 696                                  | 675                    | NA                                 | NA          |
| Radeon R6 A10-8700P                                | 694                                  | 677                    | NA                                 | NA          |
| GeForce GT 635M                                    | 692                                  | 678                    | NA                                 | NA          |
| GeForce 820A                                       | 691                                  | 679                    | NA                                 | NA          |
| Radeon HD 7640G + 7700M Dual                       | 690                                  | 680                    | NA                                 | NA          |
| Radeon HD 7640G + 8600/8700M Dual                  | 688                                  | 681                    | NA                                 | NA          |
| Radeon HD 8650G + R5 M230 Dual                     | 686                                  | 682                    | NA                                 | NA          |
| Quadro FX 5600                                     | 685                                  | 683                    | 2.74                               | \$249.99*   |
| Radeon HD 8550D                                    | 685                                  | 684                    | NA                                 | NA          |
| GeForce GT 630M                                    | 684                                  | 685                    | NA                                 | NA          |
| Radeon HD 6630M                                    | 684                                  | 686                    | NA                                 | NA          |
| Radeon HD 7640G N HD 7640G + HD 7670M Dual         | 679                                  | 688                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D | 679                                  | 687                    | NA                                 | NA          |
| GeForce GT 710                                     | 677                                  | 690                    | 18.31                              | \$36.99     |
| Radeon HD 8570D                                    | 677                                  | 689                    | NA                                 | NA          |
| Radeon HD 8610G + R5 M200 Dual                     | 676                                  | 691                    | NA                                 | NA          |
| Mobility Radeon HD 5730                            | 674                                  | 692                    | NA                                 | NA          |
| Quadro 500M  | 672                                  | 693                    | NA                                 | NA          |
| Radeon HD 8550G + R5 M230 Dual                     | 667                                  | 694                    | NA                                 | NA          |
| GeForce GT 435M                                    | 666                                  | 695                    | NA                                 | NA          |
| GeForce GTS 160M                                   | 665                                  | 696                    | NA                                 | NA          |
| Quadro FX 4700 X2                                  | 665                                  | 698                    | NA                                 | NA          |
| Radeon HD 7640G + HD 8500M N HD 8500M Dual         | 665                                  | 697                    | NA                                 | NA          |
| Intel HD P4600/P4700                               | 664                                  | 701                    | NA                                 | NA          |
| Radeon HD 8550G + 8690M Dual                       | 664                                  | 700                    | NA                                 | NA          |
| Radeon R7 M260                                     | 664                                  | 699                    | 0.83                               | \$799.00*   |
| GeForce GT 735M                                    | 663                                  | 702                    | NA                                 | NA          |
| Intel HD 5600                                      | 663                                  | 703                    | NA                                 | NA          |
| Quadro FX 2800M                                    | 662                                  | 704                    | 13.26                              | \$49.95     |
| GeForce GT 720A                                    | 661                                  | 706                    | NA                                 | NA          |
| Radeon HD 7560D                                    | 661                                  | 707                    | NA                                 | NA          |

| Videocard Name                       | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon R5 240                        | 661                                  | 705                    | 10.18                              | \$65.00     |
| FireGL V7700                         | 660                                  | 708                    | 3.77                               | \$174.99*   |
| GeForce GT 430                       | 659                                  | 710                    | 18.33                              | \$35.99*    |
| Radeon HD 7640G + HD 7670M Dual      | 659                                  | 709                    | NA                                 | NA          |
| FirePro M7740                        | 657                                  | 711                    | NA                                 | NA          |
| Intel UHD 610                        | 655                                  | 712                    | NA                                 | NA          |
| Radeon HD 7640G + 8750M Dual         | 654                                  | 713                    | NA                                 | NA          |
| Radeon HD 8650G + 8570M Dual         | 654                                  | 714                    | NA                                 | NA          |
| NVS 5200M                            | 653                                  | 716                    | NA                                 | NA          |
| Radeon HD 2900 XT                    | 653                                  | 715                    | NA                                 | NA          |
| GeForce GT 240                       | 651                                  | 717                    | 17.15                              | \$37.99*    |
| Radeon HD 7520G + HD 8750M Dual      | 651                                  | 718                    | NA                                 | NA          |
| SUMO 9640                            | 650                                  | 719                    | NA                                 | NA          |
| GeForce GT 540M                      | 649                                  | 720                    | NA                                 | NA          |
| Radeon HD 6550D                      | 647                                  | 721                    | NA                                 | NA          |
| Radeon HD 6670 + 6670 Dual           | 646                                  | 722                    | NA                                 | NA          |
| GeForce 9800M GTS                    | 645                                  | 723                    | NA                                 | NA          |
| Radeon HD 8610G + HD 8500M Dual      | 645                                  | 724                    | NA                                 | NA          |
| Radeon HD 7640G + 7670M Dual         | 644                                  | 726                    | NA                                 | NA          |
| Radeon R5 M430                       | 644                                  | 725                    | NA                                 | NA          |
| Radeon R6                            | 643                                  | 727                    | NA                                 | NA          |
| Intel HD 515                         | 641                                  | 728                    | NA                                 | NA          |
| Quadro FX 3700M                      | 640                                  | 729                    | 0.69                               | \$925.00*   |
| GeForce 810A                         | 638                                  | 730                    | NA                                 | NA          |
| Radeon HD 8650G + 8670M Dual         | 638                                  | 731                    | NA                                 | NA          |
| Radeon HD 7640G + 7400M Dual         | 637                                  | 732                    | NA                                 | NA          |
| Radeon HD 8450G + 8750M Dual         | 637                                  | 733                    | NA                                 | NA          |
| Radeon R5 330                        | 636                                  | 734                    | 1.72                               | \$369.99*   |
| GeForce 9800 S                       | 635                                  | 735                    | NA                                 | NA          |
| Matrox C420 LP PCIe x16              | 635                                  | 736                    | NA                                 | NA          |
| Videocard Name                       | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 8650G + HD 7670M Dual      | 634                                  | 737                    | NA                                 | NA          |
| Radeon HD 7660D + HD 7000 Dual       | 633                                  | 738                    | NA                                 | NA          |
| Quadro FX 3700                       | 632                                  | 739                    | 5.27                               | \$119.99    |
| Radeon HD 7610M                      | 630                                  | 740                    | NA                                 | NA          |
| Radeon HD 7660G + 7470M Dual         | 630                                  | 741                    | NA                                 | NA          |
| Radeon HD 2900 PRO                   | 627                                  | 742                    | NA                                 | NA          |
| Radeon HD 7640G + 7500/7600 Dual     | 627                                  | 743                    | NA                                 | NA          |
| Radeon HD 8650G + 8500M Dual         | 626                                  | 744                    | NA                                 | NA          |
| GeForce GT 425M                      | 625                                  | 745                    | NA                                 | NA          |
| Quadro K510M                         | 624                                  | 746                    | NA                                 | NA          |
| Radeon HD 7520G + HD 8600/8700M Dual | 623                                  | 747                    | NA                                 | NA          |
| Radeon HD 8570 + 8670D Dual          | 620                                  | 748                    | NA                                 | NA          |
| GeForce GTX 280M                     | 619                                  | 749                    | NA                                 | NA          |
| Radeon HD 8550G + R5 M200 Dual       | 619                                  | 750                    | NA                                 | NA          |
| Radeon HD 8550G + 8600M Dual         | 617                                  | 751                    | NA                                 | NA          |
| Intel HD 510                         | 616                                  | 753                    | NA                                 | NA          |
| Radeon HD 7500G + 7500M/7600M Dual   | 616                                  | 752                    | NA                                 | NA          |
| FireGL V7600                         | 615                                  | 754                    | NA                                 | NA          |
| GeForce 820M                         | 613                                  | 756                    | NA                                 | NA          |
| Radeon HD 8650G + 8600M Dual         | 613                                  | 755                    | NA                                 | NA          |



| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7520G + HD 7600M Dual                   | 612                                  | 757                    | NA                                 | NA          |
| Radeon HD 7640G                                   | 612                                  | 758                    | NA                                 | NA          |
| Radeon R6 PRO A8-8600B R6, 10 Compute Cores 4C+6G | 612                                  | 759                    | NA                                 | NA          |
| 7900 MOD - Radeon HD 6520G                        | 610                                  | 761                    | NA                                 | NA          |
| FirePro M2000                                     | 610                                  | 762                    | NA                                 | NA          |
| Radeon HD 7570M                                   | 610                                  | 760                    | NA                                 | NA          |
| Radeon HD 8610G + 8500M Dual                      | 610                                  | 763                    | NA                                 | NA          |
| Radeon R5 M315                                    | 609                                  | 764                    | NA                                 | NA          |
| Radeon HD 7640G + HD 8500M Dual                   | 607                                  | 765                    | NA                                 | NA          |
| GeForce 8800 GTS                                  | 606                                  | 766                    | NA                                 | NA          |
| Radeon HD 7640G + HD 7400M Dual                   | 606                                  | 767                    | NA                                 | NA          |
| Intel HD P4600                                    | 604                                  | 768                    | NA                                 | NA          |
| Quadro FX 4600                                    | 603                                  | 769                    | 4.65                               | \$129.99*   |
| Radeon HD 8550G + 8500M Dual                      | 602                                  | 770                    | NA                                 | NA          |
| GeForce GT 525M                                   | 600                                  | 771                    | NA                                 | NA          |
| Intel HD 5000                                     | 599                                  | 773                    | NA                                 | NA          |
| Radeon HD 8610G + 8670M Dual                      | 599                                  | 772                    | NA                                 | NA          |
| Radeon R5 M320                                    | 598                                  | 775                    | NA                                 | NA          |
| Radeon R5 M330                                    | 598                                  | 774                    | NA                                 | NA          |
| Radeon HD 8650G + HD 8600M Dual                   | 597                                  | 776                    | NA                                 | NA          |
| Radeon HD 8510G + 8500M Dual                      | 596                                  | 777                    | NA                                 | NA          |
| Radeon HD 7640G + 7470M Dual                      | 595                                  | 778                    | NA                                 | NA          |
| GeForce GTX 260M                                  | 593                                  | 780                    | NA                                 | NA          |
| Radeon HD 8550G + HD 8600M Dual                   | 593                                  | 779                    | NA                                 | NA          |
| Radeon HD 7520G + 7600M Dual                      | 591                                  | 781                    | NA                                 | NA          |
| Radeon HD 7640G + HD 7700M Dual                   | 589                                  | 782                    | NA                                 | NA          |
| Radeon HD 8650G + HD 8670M Dual                   | 589                                  | 783                    | NA                                 | NA          |
| Radeon HD 7520G + 7610M Dual                      | 588                                  | 785                    | NA                                 | NA          |
| Radeon HD 7660G + 7400M Dual                      | 588                                  | 786                    | NA                                 | NA          |
| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 8610G + 8600M Dual                      | 588                                  | 784                    | NA                                 | NA          |
| Radeon HD 7660G + 8670M Dual                      | 587                                  | 787                    | NA                                 | NA          |
| Radeon HD 7640G + 8500M Dual                      | 585                                  | 788                    | NA                                 | NA          |
| Intel HD 5500                                     | 583                                  | 789                    | NA                                 | NA          |
| Quadro FX 1800                                    | 582                                  | 790                    | 4.66                               | \$125.00*   |
| Radeon HD 8550G + 8670M Dual                      | 579                                  | 792                    | NA                                 | NA          |
| Radeon HD 8610G + HD 8600M Dual                   | 579                                  | 791                    | NA                                 | NA          |
| Radeon HD 7640G + HD 8600/8700M Dual              | 578                                  | 793                    | NA                                 | NA          |
| Radeon HD 7620G + 8670M Dual                      | 577                                  | 794                    | NA                                 | NA          |
| Intel Skylake HD DT GT2                           | 576                                  | 795                    | NA                                 | NA          |
| Radeon HD 8610G + HD 8670M Dual                   | 574                                  | 796                    | NA                                 | NA          |
| Radeon R6 + R7 M265DX Dual                        | 570                                  | 797                    | NA                                 | NA          |
| GeForce GTS 250M                                  | 566                                  | 798                    | NA                                 | NA          |
| GeForce GT 620M                                   | 565                                  | 799                    | NA                                 | NA          |
| Radeon HD 6610M                                   | 565                                  | 801                    | NA                                 | NA          |
| Radeon R5 M230                                    | 565                                  | 800                    | NA                                 | NA          |
| Intel HD 4400                                     | 564                                  | 802                    | NA                                 | NA          |
| Mobility Radeon HD 3870 X2                        | 564                                  | 803                    | NA                                 | NA          |
| GeForce 710M                                      | 563                                  | 805                    | NA                                 | NA          |
| Radeon HD 7560D + R5 235 Dual                     | 563                                  | 804                    | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon R6 PRO A10-8700B R6, 10 Compute Cores 4C+6G | 563                                  | 806                    | NA                                 | NA          |
| Radeon HD 6620G                                    | 561                                  | 807                    | NA                                 | NA          |
| Radeon HD 7640G + 8570M Dual                       | 558                                  | 809                    | NA                                 | NA          |
| Radeon HD 7640G + 8670M Dual                       | 558                                  | 808                    | NA                                 | NA          |
| GeForce GT 720M                                    | 557                                  | 811                    | NA                                 | NA          |
| Radeon HD 8500M                                    | 557                                  | 810                    | NA                                 | NA          |
| GeForce GTS 350M                                   | 556                                  | 812                    | NA                                 | NA          |
| GeForce GT 330                                     | 555                                  | 815                    | 13.88                              | \$39.99*    |
| Radeon HD 7600G + HD 7500M/7600M Dual              | 555                                  | 814                    | NA                                 | NA          |
| Radeon R5 M335                                     | 555                                  | 813                    | NA                                 | NA          |
| GF117  | 554                                  | 816                    | NA                                 | NA          |
| GeForce GT 320                                     | 553                                  | 817                    | 16.94                              | \$32.69*    |
| FirePro 3D V5700                                   | 552                                  | 818                    | 1.73                               | \$319.99*   |
| Radeon HD 8610G                                    | 551                                  | 819                    | NA                                 | NA          |
| FireGL V8650                                       | 550                                  | 822                    | 1.67                               | \$329.99*   |
| GeForce 800M                                       | 550                                  | 821                    | NA                                 | NA          |
| GeForce 8800 GS                                    | 550                                  | 820                    | NA                                 | NA          |
| GeForce GT 710M                                    | 548                                  | 823                    | NA                                 | NA          |
| Radeon HD 8650D                                    | 548                                  | 824                    | NA                                 | NA          |
| GeForce 615  | 547                                  | 828                    | NA                                 | NA          |
| GeForce 9800M GS                                   | 547                                  | 826                    | NA                                 | NA          |
| Mobility Radeon HD 3870                            | 547                                  | 825                    | NA                                 | NA          |
| Mobility Radeon HD 5650                            | 547                                  | 829                    | NA                                 | NA          |
| Radeon HD 7520G + HD 7670M Dual                    | 547                                  | 827                    | NA                                 | NA          |
| Radeon HD 8550G + HD 8670M Dual                    | 546                                  | 830                    | NA                                 | NA          |
| GeForce GT 420M                                    | 545                                  | 831                    | NA                                 | NA          |
| Radeon HD 4670                                     | 545                                  | 832                    | 4.96                               | \$109.99*   |
| Radeon HD 8450G + 8600M Dual                       | 545                                  | 833                    | NA                                 | NA          |
| Radeon HD 5550                                     | 544                                  | 835                    | 9.90                               | \$54.99*    |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 7520G + HD 7400M Dual                    | 544                                  | 834                    | NA                                 | NA          |
| GeForce 8800M GTX                                  | 543                                  | 837                    | NA                                 | NA          |
| Radeon HD 7600G + HD 8670M Dual                    | 543                                  | 836                    | NA                                 | NA          |
| FirePro 3D V7750                                   | 540                                  | 838                    | 1.54                               | \$350.00*   |
| Radeon HD 7560D + HD 7000 Dual                     | 534                                  | 839                    | NA                                 | NA          |
| Radeon HD 8570M                                    | 534                                  | 840                    | NA                                 | NA          |
| Radeon HD 8550G + 8570M Dual                       | 532                                  | 841                    | NA                                 | NA          |
| RADEON HD6530D                                     | 531                                  | 842                    | NA                                 | NA          |
| Quadro FX 2700M                                    | 530                                  | 843                    | 5.31                               | \$99.95*    |
| Radeon HD 3850                                     | 529                                  | 844                    | NA                                 | NA          |
| Radeon HD 8550G + HD 8570M Dual                    | 529                                  | 845                    | NA                                 | NA          |
| Radeon HD 7640G + 6400M Dual                       | 526                                  | 846                    | NA                                 | NA          |
| Radeon HD 7520G + 7670M Dual                       | 525                                  | 847                    | NA                                 | NA          |
| GeForce 9800M GTX                                  | 523                                  | 848                    | 1.59                               | \$328.50*   |
| Radeon R5 M240                                     | 521                                  | 849                    | NA                                 | NA          |
| GeForce 9600 GSO                                   | 517                                  | 852                    | 10.35                              | \$49.99*    |
| GeForce GT625M                                     | 517                                  | 850                    | NA                                 | NA          |
| Radeon HD 8470D                                    | 517                                  | 851                    | NA                                 | NA          |
| Radeon HD 7640G + R5 M200 Dual                     | 515                                  | 853                    | NA                                 | NA          |
| Radeon HD 6530D                                    | 514                                  | 854                    | NA                                 | NA          |

| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 8670M                    | 513                                  | 855                    | NA                                 | NA          |
| Mobility Radeon HD 4830            | 511                                  | 856                    | NA                                 | NA          |
| Radeon HD 7540D                    | 510                                  | 857                    | NA                                 | NA          |
| Radeon HD 7640G + 7610M Dual       | 510                                  | 858                    | NA                                 | NA          |
| Radeon HD 7600G + HD 7550M Dual    | 509                                  | 859                    | NA                                 | NA          |
| Radeon HD 8510G                    | 508                                  | 860                    | NA                                 | NA          |
| Intel UHD 605                      | 507                                  | 862                    | NA                                 | NA          |
| Radeon HD 7620G + HD 8670M Dual    | 507                                  | 861                    | NA                                 | NA          |
| Radeon HD 7620G + 8600M Dual       | 503                                  | 863                    | NA                                 | NA          |
| GeForce 9600 GSO 512               | 502                                  | 865                    | NA                                 | NA          |
| GeForce GT 335M                    | 502                                  | 864                    | NA                                 | NA          |
| Radeon R6 A8-8600P                 | 501                                  | 866                    | NA                                 | NA          |
| Radeon HD8530M                     | 498                                  | 867                    | NA                                 | NA          |
| Radeon HD 7500G + 7550M Dual       | 497                                  | 869                    | NA                                 | NA          |
| SUMO 964A                          | 497                                  | 868                    | NA                                 | NA          |
| ASUS EAH4870x2                     | 496                                  | 870                    | NA                                 | NA          |
| GeForce 810M                       | 490                                  | 871                    | NA                                 | NA          |
| Radeon HD 6520G                    | 487                                  | 872                    | NA                                 | NA          |
| Radeon HD 7620G                    | 487                                  | 873                    | NA                                 | NA          |
| Radeon HD 7520G + 7400M Dual       | 486                                  | 874                    | NA                                 | NA          |
| GeForce 710A                       | 484                                  | 875                    | NA                                 | NA          |
| Radeon HD 8450G + HD 8750M Dual    | 483                                  | 876                    | NA                                 | NA          |
| Quadro FX 1800M                    | 482                                  | 877                    | NA                                 | NA          |
| GeForce 9700M GTS                  | 479                                  | 878                    | NA                                 | NA          |
| GeForce GT 625M                    | 479                                  | 879                    | NA                                 | NA          |
| Radeon HD 7600G                    | 479                                  | 880                    | NA                                 | NA          |
| Mobility Radeon HD 5000 Serisi     | 478                                  | 881                    | NA                                 | NA          |
| FirePro 3D V3800                   | 476                                  | 882                    | 3.18                               | \$149.99*   |
| GeForce 910M                       | 475                                  | 883                    | NA                                 | NA          |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GT 230                     | 475                                  | 884                    | 10.81                              | \$43.99*    |
| GeForce 8800M GTS                  | 474                                  | 886                    | NA                                 | NA          |
| Radeon HD 8450G + 8670M Dual       | 474                                  | 885                    | NA                                 | NA          |
| Radeon HD 7550M                    | 473                                  | 887                    | NA                                 | NA          |
| GeForce 9800M GT                   | 471                                  | 888                    | NA                                 | NA          |
| GeForce GT 420                     | 471                                  | 889                    | 10.24                              | \$45.99*    |
| Radeon HD 3850 AGP                 | 470                                  | 890                    | NA                                 | NA          |
| Radeon HD 7600G + 8500M/8700M Dual | 469                                  | 891                    | NA                                 | NA          |
| Quadro FX 3600M                    | 468                                  | 892                    | NA                                 | NA          |
| Radeon HD 7660D + 7470 Dual        | 465                                  | 893                    | NA                                 | NA          |
| FirePro V5700                      | 464                                  | 894                    | NA                                 | NA          |
| Mobility Radeon HD 4670            | 464                                  | 895                    | NA                                 | NA          |
| GeForce GT 130                     | 460                                  | 896                    | 16.45                              | \$27.99*    |
| Intel HD 4000                      | 455                                  | 897                    | 0.29                               | \$1,592.95* |
| GeForce 705M                       | 454                                  | 898                    | NA                                 | NA          |
| Radeon HD 7520G + 7650M Dual       | 453                                  | 899                    | NA                                 | NA          |
| Radeon HD 8450G + HD 8600M Dual    | 452                                  | 900                    | NA                                 | NA          |
| Radeon HD 7520G                    | 449                                  | 901                    | NA                                 | NA          |
| GeForce 9600 GS                    | 448                                  | 902                    | NA                                 | NA          |
| Radeon HD 7660G + 8600M Dual       | 445                                  | 903                    | NA                                 | NA          |
| Radeon HD 7600G + HD Dual          | 442                                  | 905                    | NA                                 | NA          |

| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7620G + HD 8600M Dual       | 442                                  | 904                    | NA                                 | NA          |
| GeForce 800A                          | 440                                  | 906                    | NA                                 | NA          |
| GeForce GT 625                        | 439                                  | 907                    | NA                                 | NA          |
| Radeon R5 Opteron X3216               | 438                                  | 908                    | NA                                 | NA          |
| Radeon HD 8410G                       | 435                                  | 909                    | NA                                 | NA          |
| Radeon HD 8370D                       | 432                                  | 910                    | NA                                 | NA          |
| GeForce GT 620                        | 431                                  | 911                    | 10.80                              | \$39.99*    |
| Intel HD Family                       | 431                                  | 912                    | NA                                 | NA          |
| Radeon HD 7420G                       | 430                                  | 913                    | NA                                 | NA          |
| Intel HD P4000                        | 427                                  | 914                    | NA                                 | NA          |
| Radeon HD 7480D                       | 426                                  | 915                    | NA                                 | NA          |
| Radeon HD 7600G + 7550M Dual          | 423                                  | 916                    | NA                                 | NA          |
| RADEON HD6410D                        | 422                                  | 917                    | NA                                 | NA          |
| VirtualBox Adapter for Windows 8+     | 420                                  | 918                    | NA                                 | NA          |
| Intel 4th Generation Haswell HD       | 419                                  | 921                    | NA                                 | NA          |
| Quadro 410                            | 419                                  | 919                    | 4.42                               | \$95.00     |
| Radeon HD 7470M                       | 419                                  | 922                    | NA                                 | NA          |
| Radeon HD 8350G                       | 419                                  | 920                    | NA                                 | NA          |
| GeForce GT 705                        | 415                                  | 923                    | NA                                 | NA          |
| Radeon HD 7500G                       | 414                                  | 924                    | NA                                 | NA          |
| Radeon HD 8450G                       | 413                                  | 925                    | NA                                 | NA          |
| Mobile Intel HD                       | 409                                  | 926                    | NA                                 | NA          |
| Radeon HD 6480G                       | 408                                  | 927                    | NA                                 | NA          |
| RADEON E4690                          | 405                                  | 929                    | NA                                 | NA          |
| Radeon HD 7600G + 7500M/7600M Dual    | 405                                  | 928                    | NA                                 | NA          |
| GeForce GT 520MX                      | 404                                  | 930                    | NA                                 | NA          |
| GeForce 610M                          | 403                                  | 931                    | NA                                 | NA          |
| Intel HD 5300                         | 402                                  | 932                    | NA                                 | NA          |
| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Mobility Radeon HD 4650               | 400                                  | 933                    | NA                                 | NA          |
| Radeon R4                             | 397                                  | 934                    | NA                                 | NA          |
| PHDGD Ivy 4                           | 394                                  | 935                    | NA                                 | NA          |
| Radeon HD 7600G + 7450M Dual          | 389                                  | 936                    | NA                                 | NA          |
| Radeon HD 6410D                       | 388                                  | 937                    | NA                                 | NA          |
| GeForce GT 520M                       | 380                                  | 939                    | 6.34                               | \$59.99*    |
| Radeon HD 6490M                       | 380                                  | 940                    | 0.32                               | \$1,193.03* |
| Radeon HD 8490                        | 380                                  | 938                    | NA                                 | NA          |
| Radeon R3                             | 373                                  | 941                    | NA                                 | NA          |
| Radeon HD8490                         | 368                                  | 942                    | NA                                 | NA          |
| GeForce GT 520                        | 367                                  | 944                    | 6.12                               | \$59.99*    |
| Radeon R5 235X                        | 367                                  | 943                    | NA                                 | NA          |
| Mobility Radeon HD 3850               | 365                                  | 947                    | NA                                 | NA          |
| Radeon HD 7470                        | 365                                  | 946                    | NA                                 | NA          |
| Radeon R5 235                         | 365                                  | 945                    | NA                                 | NA          |
| GeForce GT 330M                       | 363                                  | 948                    | NA                                 | NA          |
| NVS 4200M                             | 363                                  | 949                    | NA                                 | NA          |
| Radeon HD 8400                        | 359                                  | 950                    | NA                                 | NA          |
| NVS 5100M                             | 358                                  | 951                    | NA                                 | NA          |
| Quadro FX 880M                        | 356                                  | 952                    | NA                                 | NA          |
| Radeon HD 7500G + HD 7500M/7600M Dual | 355                                  | 953                    | NA                                 | NA          |
| GeForce GT 240M                       | 353                                  | 954                    | NA                                 | NA          |

| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce GT 610                     | 352                                  | 955                    | 8.80                               | \$39.99*    |
| GeForce GT 220                     | 351                                  | 956                    | 4.40                               | \$79.99*    |
| Intel HD P3000                     | 351                                  | 957                    | NA                                 | NA          |
| NVS 315                            | 350                                  | 958                    | 6.62                               | \$52.99     |
| Radeon HD 7580D                    | 350                                  | 959                    | NA                                 | NA          |
| GeForce 410M                       | 349                                  | 960                    | NA                                 | NA          |
| FirePro 3D V3750                   | 348                                  | 961                    | 6.86                               | \$50.88*    |
| Radeon HD 8470                     | 343                                  | 962                    | NA                                 | NA          |
| FireGL V5600                       | 341                                  | 964                    | NA                                 | NA          |
| Radeon HD 8400E                    | 341                                  | 963                    | NA                                 | NA          |
| Radeon HD 4650                     | 338                                  | 965                    | 2.71                               | \$124.99*   |
| Radeon HD 8330                     | 338                                  | 967                    | NA                                 | NA          |
| Radeon R5E                         | 338                                  | 966                    | NA                                 | NA          |
| Intel UHD 600                      | 337                                  | 968                    | NA                                 | NA          |
| Radeon R5 310                      | 337                                  | 969                    | 0.89                               | \$379.00    |
| GeForce GT 230M                    | 333                                  | 970                    | NA                                 | NA          |
| RADEON HD6370D                     | 331                                  | 971                    | NA                                 | NA          |
| Radeon HD 7450M                    | 329                                  | 972                    | NA                                 | NA          |
| Radeon HD 8330E                    | 326                                  | 973                    | NA                                 | NA          |
| Mobility Radeon HD 565v            | 325                                  | 975                    | NA                                 | NA          |
| Radeon HD 7400G                    | 325                                  | 974                    | NA                                 | NA          |
| Radeon HD 8280E                    | 323                                  | 976                    | NA                                 | NA          |
| Mobility Radeon HD 560v            | 322                                  | 977                    | NA                                 | NA          |
| GeForce 9700M GT                   | 320                                  | 978                    | NA                                 | NA          |
| Radeon HD 8280                     | 320                                  | 979                    | NA                                 | NA          |
| GeForce GT 415M                    | 319                                  | 980                    | NA                                 | NA          |
| GeForce 605                        | 318                                  | 981                    | 3.25                               | \$97.99*    |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Intel HD 3000                      | 313                                  | 982                    | 0.33                               | \$945.00*   |
| Radeon HD 6470M                    | 313                                  | 983                    | 0.55                               | \$569.99*   |
| Radeon HD 7450                     | 312                                  | 984                    | 3.68                               | \$84.99*    |
| Radeon HD 6370D                    | 311                                  | 985                    | NA                                 | NA          |
| Radeon HD 7520G + 8600/8700M Dual  | 311                                  | 986                    | NA                                 | NA          |
| Quadro FX 3500M                    | 306                                  | 987                    | 3.06                               | \$99.99*    |
| GeForce 7900 GTX                   | 305                                  | 988                    | NA                                 | NA          |
| GeForce 510                        | 304                                  | 990                    | 4.35                               | \$69.99*    |
| Radeon R2                          | 304                                  | 989                    | NA                                 | NA          |
| Quadro FX 1700M                    | 302                                  | 991                    | NA                                 | NA          |
| GeForce GT 130M                    | 300                                  | 992                    | NA                                 | NA          |
| Quadro FX 770M                     | 300                                  | 993                    | 0.57                               | \$527.00*   |
| Radeon HD 6380G                    | 297                                  | 994                    | 0.74                               | \$399.99*   |
| GeForce GT 325M                    | 295                                  | 995                    | NA                                 | NA          |
| GeForce 9600M GT / GeForce GT 220M | 293                                  | 996                    | NA                                 | NA          |
| Radeon HD 2900 GT                  | 292                                  | 997                    | NA                                 | NA          |
| NVS 310                            | 291                                  | 998                    | 3.24                               | \$90.00*    |
| GeForce GT 120                     | 289                                  | 999                    | 8.40                               | \$34.49*    |
| Radeon HD 7450A                    | 288                                  | 1000                   | NA                                 | NA          |
| GeForce 8600 GTS                   | 287                                  | 1001                   | NA                                 | NA          |
| Mobility Radeon HD 5165            | 284                                  | 1003                   | NA                                 | NA          |
| Radeon HD 2600 XT                  | 284                                  | 1002                   | NA                                 | NA          |
| GeForce 9500 GS                    | 281                                  | 1004                   | NA                                 | NA          |

| Videocard Name                             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7350                             | 279                                  | 1006                   | NA                                 | NA          |
| Radeon HD 8240                             | 279                                  | 1005                   | NA                                 | NA          |
| Radeon HD 6450                             | 278                                  | 1007                   | 7.15                               | \$38.99     |
| GeForce 9500 GT                            | 276                                  | 1008                   | 3.21                               | \$85.99*    |
| GeForce GT 120M                            | 274                                  | 1009                   | NA                                 | NA          |
| Radeon HD 6370M                            | 274                                  | 1010                   | NA                                 | NA          |
| GeForce 320M                               | 273                                  | 1011                   | NA                                 | NA          |
| Quadro FX 580                              | 273                                  | 1012                   | 4.60                               | \$59.46*    |
| GeForce 9650M GS                           | 270                                  | 1013                   | NA                                 | NA          |
| Radeon HD 8280G                            | 269                                  | 1014                   | NA                                 | NA          |
| Radeon HD 5470                             | 268                                  | 1015                   | NA                                 | NA          |
| Mobility Radeon HD 550v                    | 266                                  | 1016                   | NA                                 | NA          |
| Radeon HD 8350                             | 265                                  | 1017                   | 1.89                               | \$139.99*   |
| EAH6450                                    | 264                                  | 1018                   | NA                                 | NA          |
| GeForce 7950 GT                            | 263                                  | 1019                   | 2.30                               | \$114.95*   |
| GeForce Go 7950 GTX                        | 263                                  | 1021                   | NA                                 | NA          |
| GeForce GT 220M                            | 263                                  | 1022                   | NA                                 | NA          |
| Radeon HD 4650 AGP                         | 263                                  | 1020                   | NA                                 | NA          |
| GeForce 9600M GT                           | 262                                  | 1023                   | NA                                 | NA          |
| Wine Display Adapter                       | 261                                  | 1024                   | NA                                 | NA          |
| Radeon HD 6450A                            | 260                                  | 1025                   | NA                                 | NA          |
| GeForce 7900 GT                            | 258                                  | 1026                   | NA                                 | NA          |
| Radeon HD 8250                             | 258                                  | 1027                   | NA                                 | NA          |
| Radeon R2E                                 | 257                                  | 1028                   | NA                                 | NA          |
| Radeon R3E                                 | 256                                  | 1029                   | NA                                 | NA          |
| GeForce 315                                | 255                                  | 1031                   | 7.75                               | \$32.99*    |
| Videocard Name                             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce 9650M GT                           | 255                                  | 1030                   | NA                                 | NA          |
| Radeon HD 6300M                            | 254                                  | 1032                   | NA                                 | NA          |
| Radeon HD 8210                             | 252                                  | 1033                   | NA                                 | NA          |
| GeForce 7900 GT/GTO                        | 246                                  | 1034                   | NA                                 | NA          |
| Radeon HD 3670                             | 244                                  | 1035                   | NA                                 | NA          |
| GeForce 8600 GT                            | 243                                  | 1036                   | NA                                 | NA          |
| Quadro FX 5500                             | 242                                  | 1037                   | 0.13                               | \$1,840.60* |
| Quadro 400                                 | 241                                  | 1038                   | 1.10                               | \$220.00    |
| Radeon HD 4550                             | 239                                  | 1039                   | 1.88                               | \$126.99*   |
| KB 2C                                      | 235                                  | 1041                   | NA                                 | NA          |
| Mobility Radeon HD 5470                    | 235                                  | 1040                   | NA                                 | NA          |
| GeForce 9600M GS                           | 233                                  | 1043                   | NA                                 | NA          |
| Radeon R5 220                              | 233                                  | 1044                   | NA                                 | NA          |
| Radeon R5 230                              | 233                                  | 1042                   | 6.41                               | \$36.48     |
| Mobility Radeon HD 3670                    | 232                                  | 1045                   | NA                                 | NA          |
| Radeon HD 5450                             | 231                                  | 1046                   | 6.62                               | \$34.99*    |
| HD6450                                     | 227                                  | 1047                   | NA                                 | NA          |
| FirePro 2270                               | 226                                  | 1048                   | 2.15                               | \$105.06*   |
| GeForce 7800 GTX                           | 223                                  | 1049                   | NA                                 | NA          |
| Radeon HD 7340M                            | 221                                  | 1050                   | NA                                 | NA          |
| A6 Micro-6500T Quad-Core APU with RadeonR4 | 220                                  | 1051                   | NA                                 | NA          |
| Mobility FireGL V5725                      | 219                                  | 1052                   | NA                                 | NA          |
| GeForce 7900 GS                            | 218                                  | 1053                   | NA                                 | NA          |

| Videocard Name             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Quadro FX 1600M            | 216                                  | 1054                   | 1.45                               | \$149.90*   |
| Radeon HD 6320 Graphic     | 216                                  | 1055                   | NA                                 | NA          |
| FirePro 2460               | 215                                  | 1056                   | 0.80                               | \$269.99*   |
| Mobility Radeon. HD 5470   | 215                                  | 1057                   | NA                                 | NA          |
| GeForce 405                | 214                                  | 1058                   | 8.73                               | \$24.64*    |
| Mobility Radeon HD 3650    | 214                                  | 1062                   | NA                                 | NA          |
| Mobility Radeon HD 5450    | 214                                  | 1061                   | NA                                 | NA          |
| Quadro FX 2500M            | 214                                  | 1060                   | 2.15                               | \$99.99*    |
| RADEON HD 6350             | 214                                  | 1059                   | 4.21                               | \$50.99*    |
| GeForce 310M               | 212                                  | 1063                   | NA                                 | NA          |
| Radeon HD 2600 PRO         | 211                                  | 1064                   | NA                                 | NA          |
| Radeon HD 6230             | 211                                  | 1065                   | NA                                 | NA          |
| GeForce 315M               | 210                                  | 1066                   | NA                                 | NA          |
| GeForce 8700M GT           | 209                                  | 1067                   | NA                                 | NA          |
| Quadro FX 380M             | 209                                  | 1069                   | NA                                 | NA          |
| Quadro NVS 320M            | 209                                  | 1068                   | NA                                 | NA          |
| GeForce Go 7800 GTX        | 208                                  | 1070                   | NA                                 | NA          |
| Quadro FX 3500             | 208                                  | 1071                   | 1.61                               | \$129.98*   |
| Quadro FX 4500             | 207                                  | 1073                   | 0.83                               | \$249.00*   |
| Radeon HD 7340             | 207                                  | 1072                   | 0.38                               | \$552.69*   |
| GeForce 310                | 205                                  | 1074                   | 1.90                               | \$108.35*   |
| GeForce GT 320M            | 205                                  | 1076                   | NA                                 | NA          |
| NVS 3100M                  | 205                                  | 1075                   | NA                                 | NA          |
| Radeon HD 6320             | 202                                  | 1077                   | 0.37                               | \$554.99*   |
| GeForce G210M              | 200                                  | 1078                   | NA                                 | NA          |
| Mobility Radeon HD 545v    | 199                                  | 1079                   | NA                                 | NA          |
| Videocard Name             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Mobility Radeon HD 4570    | 198                                  | 1081                   | NA                                 | NA          |
| Radeon HD 6320M            | 198                                  | 1082                   | NA                                 | NA          |
| Radeon HD 8180             | 198                                  | 1080                   | NA                                 | NA          |
| Radeon HD 7340G            | 196                                  | 1083                   | NA                                 | NA          |
| GeForce 7800 GT            | 195                                  | 1084                   | 2.44                               | \$80.00*    |
| Quadro FX 380 LP           | 195                                  | 1085                   | NA                                 | NA          |
| Quadro FX 1700             | 194                                  | 1086                   | 1.47                               | \$132.50*   |
| Intel Infoshock HD         | 193                                  | 1087                   | NA                                 | NA          |
| Radeon HD 6430M            | 193                                  | 1088                   | NA                                 | NA          |
| Mobility Radeon HD 4550    | 192                                  | 1089                   | NA                                 | NA          |
| GeForce 505                | 191                                  | 1090                   | NA                                 | NA          |
| GeForce 7950 GX2           | 191                                  | 1091                   | 3.48                               | \$54.99*    |
| GeForce 305M               | 190                                  | 1092                   | NA                                 | NA          |
| Mobility Radeon HD 2600 XT | 190                                  | 1093                   | NA                                 | NA          |
| GeForce 9400 GT            | 188                                  | 1094                   | 2.36                               | \$79.99*    |
| Mobility Radeon HD 540v    | 188                                  | 1095                   | NA                                 | NA          |
| Quadro FX 570M             | 187                                  | 1096                   | NA                                 | NA          |
| NVS 2100M                  | 186                                  | 1097                   | NA                                 | NA          |
| NVS 300                    | 185                                  | 1098                   | 4.87                               | \$37.99     |
| FirePro 3D V3700           | 184                                  | 1099                   | 2.17                               | \$84.99*    |
| GeForce 7600 GT            | 182                                  | 1100                   | 2.15                               | \$84.95*    |
| GeForce 9500M GS           | 182                                  | 1102                   | NA                                 | NA          |
| GeForce G105M              | 182                                  | 1101                   | NA                                 | NA          |
| Mobility Radeon HD 5430    | 181                                  | 1103                   | NA                                 | NA          |

| Videocard Name                   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| FireGL V3600                     | 180                                  | 1105                   | 1.12                               | \$160.99*   |
| Radeon HD 7310G                  | 180                                  | 1104                   | NA                                 | NA          |
| GeForce 7800 GS                  | 177                                  | 1106                   | NA                                 | NA          |
| GeForce Go 7900 GS               | 176                                  | 1107                   | NA                                 | NA          |
| GeForce 210                      | 174                                  | 1109                   | 5.45                               | \$31.99     |
| Mobility Radeon HD 530v          | 174                                  | 1108                   | NA                                 | NA          |
| GeForce G210                     | 171                                  | 1112                   | 2.71                               | \$63.13*    |
| Quadro FX 1500M                  | 171                                  | 1111                   | NA                                 | NA          |
| Radeon HD 7310                   | 171                                  | 1110                   | NA                                 | NA          |
| Mobility Radeon HD 2600          | 170                                  | 1113                   | NA                                 | NA          |
| GeForce 8600M GT                 | 169                                  | 1116                   | NA                                 | NA          |
| Radeon HD 4350                   | 169                                  | 1114                   | 2.78                               | \$61.10*    |
| Radeon HD 6310                   | 169                                  | 1115                   | NA                                 | NA          |
| GeForce 9500M G                  | 166                                  | 1117                   | NA                                 | NA          |
| Radeon HD 7310M                  | 166                                  | 1118                   | NA                                 | NA          |
| Intel HD manual-gen9_2015-133271 | 165                                  | 1119                   | NA                                 | NA          |
| GeForce Go 7600 GT               | 163                                  | 1120                   | NA                                 | NA          |
| Intel Haswell HD - GT2           | 160                                  | 1122                   | NA                                 | NA          |
| Radeon HD 4330                   | 160                                  | 1121                   | NA                                 | NA          |
| Quadro FX 1500                   | 156                                  | 1123                   | 1.36                               | \$115.00*   |
| Radeon HD 4300/4500 Serisi       | 155                                  | 1124                   | NA                                 | NA          |
| Quadro FX 380                    | 151                                  | 1126                   | 2.08                               | \$72.50     |
| Radeon X1950 CrossFire Edition   | 151                                  | 1125                   | NA                                 | NA          |
| Radeon HD 3650 AGP               | 150                                  | 1127                   | NA                                 | NA          |
| Mobility Radeon HD 4350          | 148                                  | 1129                   | NA                                 | NA          |
| Videocard Name                   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Quadro FX 3450                   | 148                                  | 1128                   | 1.07                               | \$138.75*   |
| GeForce Go 7700                  | 147                                  | 1130                   | NA                                 | NA          |
| Radeon HD 3470                   | 146                                  | 1131                   | NA                                 | NA          |
| Radeon X1900 GT                  | 145                                  | 1132                   | NA                                 | NA          |
| GeForce 9400                     | 144                                  | 1133                   | NA                                 | NA          |
| GeForce 6800 GT                  | 143                                  | 1134                   | NA                                 | NA          |
| GeForce 8600 GS                  | 143                                  | 1135                   | NA                                 | NA          |
| Radeon HD 4290                   | 142                                  | 1136                   | NA                                 | NA          |
| nForce 760i SLI                  | 140                                  | 1138                   | NA                                 | NA          |
| Radeon HD 7290                   | 140                                  | 1139                   | NA                                 | NA          |
| Radeon X1800 GTO                 | 140                                  | 1137                   | NA                                 | NA          |
| GeForce 6800 Ultra               | 138                                  | 1140                   | NA                                 | NA          |
| Radeon HD 6290                   | 138                                  | 1141                   | NA                                 | NA          |
| GeForce 8500 GT                  | 137                                  | 1143                   | NA                                 | NA          |
| GeForce Go 6800 Ultra            | 137                                  | 1144                   | NA                                 | NA          |
| Radeon HD 6290M                  | 137                                  | 1142                   | NA                                 | NA          |
| Radeon X1900 CrossFire Edition   | 137                                  | 1145                   | NA                                 | NA          |
| GeForce 6800 GS                  | 136                                  | 1146                   | NA                                 | NA          |
| Mobility Radeon HD 4330          | 135                                  | 1147                   | NA                                 | NA          |
| GeForce 7600 GS                  | 134                                  | 1150                   | 1.58                               | \$84.99*    |
| GeForce 7650 GS                  | 134                                  | 1151                   | NA                                 | NA          |
| GeForce G200                     | 134                                  | 1152                   | NA                                 | NA          |
| Mobility Radeon X1900            | 134                                  | 1149                   | NA                                 | NA          |
| Quadro FX 3450/4000 SDI          | 134                                  | 1148                   | NA                                 | NA          |
| GeForce 9300 / nForce 730i       | 130                                  | 1153                   | NA                                 | NA          |



| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| MOBILITY RADEON X1800              | 129                                  | 1154                   | NA                                 | NA          |
| FireGL V7300                       | 128                                  | 1156                   | 0.11                               | \$1,189.99* |
| GeForce Go 7600                    | 128                                  | 1155                   | NA                                 | NA          |
| All-in-Wonder X1900                | 127                                  | 1158                   | NA                                 | NA          |
| Radeon HD 3300                     | 127                                  | 1157                   | NA                                 | NA          |
| GeForce 205                        | 126                                  | 1160                   | NA                                 | NA          |
| GeForce 9300                       | 126                                  | 1159                   | NA                                 | NA          |
| GeForce 9400M G                    | 125                                  | 1161                   | NA                                 | NA          |
| GeForce 8600M GS                   | 124                                  | 1162                   | NA                                 | NA          |
| Radeon HD 4250                     | 124                                  | 1163                   | NA                                 | NA          |
| Radeon HD 7290M                    | 123                                  | 1164                   | NA                                 | NA          |
| FireGL V7350                       | 122                                  | 1165                   | 0.08                               | \$1,523.99* |
| Radeon HD 2400                     | 121                                  | 1166                   | NA                                 | NA          |
| GeForce 9400M                      | 120                                  | 1168                   | NA                                 | NA          |
| Radeon HD 2400 XT                  | 120                                  | 1167                   | NA                                 | NA          |
| Radeon HD 3450                     | 119                                  | 1169                   | 1.64                               | \$72.99*    |
| Radeon HD 6250                     | 119                                  | 1170                   | NA                                 | NA          |
| Intel Haswell HD - GT1             | 118                                  | 1171                   | NA                                 | NA          |
| RV530 PRO                          | 118                                  | 1172                   | NA                                 | NA          |
| FireMV 2260                        | 117                                  | 1173                   | 1.12                               | \$104.99*   |
| Quadro FX 560                      | 117                                  | 1174                   | 0.78                               | \$150.25*   |
| GeForce Go 7800                    | 116                                  | 1177                   | NA                                 | NA          |
| Quadro FX 570                      | 116                                  | 1175                   | 1.02                               | \$115.00    |
| Radeon HD 2400 Pro                 | 116                                  | 1178                   | NA                                 | NA          |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon X1700 Targa Edition         | 116                                  | 1176                   | NA                                 | NA          |
| Intel Media Accelerator HD         | 115                                  | 1179                   | NA                                 | NA          |
| FirePro 2260                       | 114                                  | 1181                   | NA                                 | NA          |
| Radeon X1600 XT                    | 114                                  | 1180                   | NA                                 | NA          |
| FireGL V5200                       | 113                                  | 1184                   | NA                                 | NA          |
| FireGL V7200                       | 113                                  | 1182                   | NA                                 | NA          |
| GeForce 8400 GS                    | 113                                  | 1186                   | 2.84                               | \$39.99     |
| GeForce G 105M                     | 113                                  | 1185                   | NA                                 | NA          |
| Radeon HD 4200                     | 113                                  | 1187                   | NA                                 | NA          |
| Radeon X1950 Pro                   | 113                                  | 1183                   | NA                                 | NA          |
| GeForce 6800                       | 112                                  | 1190                   | 2.81                               | \$39.99*    |
| Intel HD Modded                    | 112                                  | 1189                   | NA                                 | NA          |
| Sapphire RADEON X800 GT            | 112                                  | 1188                   | NA                                 | NA          |
| Radeon HD 4270                     | 111                                  | 1191                   | NA                                 | NA          |
| Radeon HD 2600 Pro AGP             | 110                                  | 1192                   | NA                                 | NA          |
| GeForce 6800 LE                    | 109                                  | 1193                   | NA                                 | NA          |
| Radeon X1950 GT                    | 109                                  | 1194                   | NA                                 | NA          |
| GeForce 7300 GT                    | 108                                  | 1195                   | 0.72                               | \$149.99*   |
| Quadro FX 370 LP                   | 108                                  | 1196                   | NA                                 | NA          |
| GeForce G 103M                     | 106                                  | 1198                   | NA                                 | NA          |
| GeForce Go 6800                    | 106                                  | 1199                   | NA                                 | NA          |
| VIA/S3G Chrome 645/640 GPU         | 106                                  | 1197                   | NA                                 | NA          |
| GeForce9400M                       | 105                                  | 1200                   | NA                                 | NA          |
| ION LE                             | 104                                  | 1201                   | NA                                 | NA          |
| M880G with Mobility Radeon HD 4250 | 104                                  | 1202                   | NA                                 | NA          |
| Mobility Radeon HD 2400 XT         | 104                                  | 1203                   | NA                                 | NA          |

| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| PHDGD Quantic C3                   | 104                                  | 1204                   | NA                                 | NA          |
| FireGL V3400                       | 103                                  | 1207                   | NA                                 | NA          |
| GeForce 9500M                      | 103                                  | 1205                   | NA                                 | NA          |
| Mobility Radeon X1700              | 103                                  | 1206                   | NA                                 | NA          |
| GeForce 6600 GT                    | 102                                  | 1210                   | 1.58                               | \$64.95*    |
| Quadro FX 1400                     | 102                                  | 1209                   | NA                                 | NA          |
| Quadro FX 3400/4400                | 102                                  | 1208                   | NA                                 | NA          |
| GeForce 6700 XL                    | 101                                  | 1213                   | NA                                 | NA          |
| GeForce 6800 XT                    | 101                                  | 1215                   | NA                                 | NA          |
| GeForce 9300 GE                    | 101                                  | 1212                   | 4.43                               | \$22.99*    |
| Quadro FX Go1400                   | 101                                  | 1211                   | NA                                 | NA          |
| Quadro NVS 420                     | 101                                  | 1214                   | 1.05                               | \$96.99     |
| GeForce 8400                       | 100                                  | 1216                   | 1.45                               | \$69.78*    |
| GeForce G100                       | 100                                  | 1217                   | 5.03                               | \$19.99*    |
| GeForce 6800 GS/XT                 | 99                                   | 1218                   | NA                                 | NA          |
| Radeon 3000                        | 99                                   | 1219                   | 1.63                               | \$60.99*    |
| Radeon X1600 Pro                   | 99                                   | 1220                   | NA                                 | NA          |
| GeForce 8400M GT                   | 98                                   | 1223                   | NA                                 | NA          |
| ION                                | 98                                   | 1222                   | 0.43                               | \$229.99*   |
| Mobility Radeon HD 4250            | 98                                   | 1221                   | NA                                 | NA          |
| GeForce 9300GE                     | 97                                   | 1225                   | NA                                 | NA          |
| Mobility Radeon HD 3430            | 97                                   | 1227                   | NA                                 | NA          |
| Quadro NVS 295                     | 97                                   | 1224                   | 2.48                               | \$39.40     |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| RADEON X800 XT                     | 97                                   | 1226                   | NA                                 | NA          |
| GeForce G102M                      | 96                                   | 1228                   | NA                                 | NA          |
| Mobility Radeon HD serie 4200      | 96                                   | 1229                   | NA                                 | NA          |
| GeForce 9300M GS                   | 95                                   | 1230                   | NA                                 | NA          |
| Quadro NVS 150M                    | 95                                   | 1231                   | NA                                 | NA          |
| MEDION RADEON X740XL               | 94                                   | 1232                   | NA                                 | NA          |
| Mobility Radeon HD 3470            | 93                                   | 1234                   | NA                                 | NA          |
| Mobility Radeon HD 3470 Hybrid X2  | 93                                   | 1235                   | NA                                 | NA          |
| Quadro FX 370M                     | 93                                   | 1236                   | NA                                 | NA          |
| Quadro NVS 160M                    | 93                                   | 1233                   | NA                                 | NA          |
| FireGL V5100                       | 92                                   | 1240                   | NA                                 | NA          |
| GeForce 9300 GS                    | 92                                   | 1241                   | 1.54                               | \$59.95*    |
| M880G with Mobility Radeon HD 4200 | 92                                   | 1239                   | NA                                 | NA          |
| Mobility Radeon HD 4270            | 92                                   | 1237                   | NA                                 | NA          |
| Mobility Radeon X1600              | 92                                   | 1238                   | NA                                 | NA          |
| nForce 780a SLI                    | 92                                   | 1242                   | NA                                 | NA          |
| GeForce 8300                       | 91                                   | 1246                   | 4.04                               | \$22.68*    |
| GeForce G205M                      | 91                                   | 1245                   | NA                                 | NA          |
| Mobility Radeon HD 3450            | 91                                   | 1247                   | NA                                 | NA          |
| Mobility Radeon HD 4200            | 91                                   | 1249                   | NA                                 | NA          |
| Quadro NVS 290                     | 91                                   | 1244                   | 6.13                               | \$14.99     |
| Quadro NVS 450                     | 91                                   | 1248                   | 0.46                               | \$199.00*   |
| RADEON X600XT                      | 91                                   | 1243                   | NA                                 | NA          |
| Mobility Radeon HD 2400            | 90                                   | 1251                   | NA                                 | NA          |
| Quadro NVS 140M                    | 90                                   | 1250                   | NA                                 | NA          |
| Quadro FX 360M                     | 89                                   | 1252                   | NA                                 | NA          |
| GeForce 6610 XL                    | 88                                   | 1253                   | NA                                 | NA          |

| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon X1300 PRO                   | 86                                   | 1254                   | NA                                 | NA          |
| GeForce 8100 / nForce 720a         | 85                                   | 1257                   | NA                                 | NA          |
| GeForce 9200M GS                   | 85                                   | 1255                   | NA                                 | NA          |
| Quadro FX 350                      | 85                                   | 1256                   | NA                                 | NA          |
| ALL-IN-WONDER X800 GT              | 84                                   | 1261                   | NA                                 | NA          |
| FireGL V3200                       | 84                                   | 1258                   | NA                                 | NA          |
| GeForce 9300M G                    | 84                                   | 1259                   | NA                                 | NA          |
| Quadro FX 370                      | 84                                   | 1260                   | 0.91                               | \$92.75*    |
| Radeon X1650 Pro                   | 84                                   | 1263                   | 0.52                               | \$160.89*   |
| RADEON X800 GT                     | 84                                   | 1262                   | NA                                 | NA          |
| nForce 750a SLI                    | 83                                   | 1265                   | NA                                 | NA          |
| Quadro FX 540                      | 83                                   | 1264                   | 1.39                               | \$59.99*    |
| GeForce 8400M GS                   | 82                                   | 1269                   | 5.49                               | \$14.99*    |
| GeForce 9100                       | 82                                   | 1266                   | NA                                 | NA          |
| GeForce 9200M GE                   | 82                                   | 1268                   | NA                                 | NA          |
| Mobility Radeon 4100               | 82                                   | 1270                   | NA                                 | NA          |
| Radeon HD 3200                     | 82                                   | 1267                   | NA                                 | NA          |
| GeForce 9200                       | 81                                   | 1275                   | NA                                 | NA          |
| MOBILITY FireGL V5000              | 81                                   | 1273                   | NA                                 | NA          |
| Mobility Radeon X2500              | 81                                   | 1272                   | NA                                 | NA          |
| nForce 980a/780a SLI               | 81                                   | 1274                   | NA                                 | NA          |
| RADEON X850 XT                     | 81                                   | 1276                   | NA                                 | NA          |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| RADEON X850 XT Platinum Edition    | 81                                   | 1271                   | NA                                 | NA          |
| GeForce 8200                       | 79                                   | 1277                   | NA                                 | NA          |
| RADEON X800GT                      | 79                                   | 1278                   | NA                                 | NA          |
| Radeon HD 2350                     | 77                                   | 1279                   | NA                                 | NA          |
| RADEON X800 GTO                    | 76                                   | 1280                   | NA                                 | NA          |
| M860G with Mobility Radeon 4100    | 75                                   | 1282                   | NA                                 | NA          |
| RADEON X700 PRO                    | 75                                   | 1281                   | NA                                 | NA          |
| GeForce 7350 LE                    | 74                                   | 1285                   | NA                                 | NA          |
| GeForce 9100M G                    | 74                                   | 1286                   | NA                                 | NA          |
| Radeon 3100                        | 74                                   | 1284                   | 0.44                               | \$169.99    |
| Radeon X1650 GTO                   | 74                                   | 1283                   | NA                                 | NA          |
| RADEON X800 PRO/GTO                | 73                                   | 1287                   | NA                                 | NA          |
| RADEON X850 PRO                    | 72                                   | 1288                   | NA                                 | NA          |
| Intel G41 Express Chipset v2       | 71                                   | 1289                   | NA                                 | NA          |
| M880G with Mobility Radeon HD 4225 | 71                                   | 1291                   | NA                                 | NA          |
| Radeon X1650 SE                    | 71                                   | 1293                   | NA                                 | NA          |
| RADEON X700                        | 71                                   | 1290                   | NA                                 | NA          |
| RADEON X700 SE                     | 71                                   | 1292                   | NA                                 | NA          |
| FireGL V3300                       | 70                                   | 1295                   | NA                                 | NA          |
| Radeon X550XTX                     | 70                                   | 1294                   | NA                                 | NA          |
| GeForce 7500 LE                    | 69                                   | 1299                   | NA                                 | NA          |
| GeForce Go 6600                    | 69                                   | 1300                   | NA                                 | NA          |
| Intel G45/G43 Express Chipset      | 69                                   | 1296                   | NA                                 | NA          |
| Quadro FX 3000                     | 69                                   | 1301                   | 0.53                               | \$129.98*   |
| Radeon X1600 Pro / X1300XT         | 69                                   | 1298                   | NA                                 | NA          |
| RADEON X800 XL                     | 69                                   | 1297                   | NA                                 | NA          |
| GeForce 8400 SE                    | 68                                   | 1302                   | NA                                 | NA          |
| 256MB RADEON X600                  | 67                                   | 1305                   | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce 8300 GS                                    | 67                                   | 1304                   | NA                                 | NA          |
| Intel Q45/Q43 Express Chipset                      | 67                                   | 1306                   | NA                                 | NA          |
| Matrox G200eR WDDM 1.2                             | 67                                   | 1303                   | NA                                 | NA          |
| 128MB DDR Radeon 9800 Pro                          | 66                                   | 1311                   | NA                                 | NA          |
| FireGL V3350                                       | 66                                   | 1307                   | NA                                 | NA          |
| GeForce 7300 GS                                    | 66                                   | 1309                   | NA                                 | NA          |
| Mobility Radeon HD 4225                            | 66                                   | 1310                   | NA                                 | NA          |
| PHDGD Quebec 4.0 for Intel Q45/Q43 Express Chipset | 66                                   | 1308                   | NA                                 | NA          |
| MOBILITY RADEON X700                               | 65                                   | 1312                   | NA                                 | NA          |
| Intel B43 Express Chipset                          | 64                                   | 1314                   | NA                                 | NA          |
| Quadro FX 350M                                     | 64                                   | 1316                   | NA                                 | NA          |
| Radeon X1550                                       | 64                                   | 1313                   | 0.58                               | \$113.00*   |
| RADEON X800 PRO                                    | 64                                   | 1315                   | NA                                 | NA          |
| Intel G41 Express Chipset                          | 63                                   | 1318                   | NA                                 | NA          |
| Quadro FX 550                                      | 63                                   | 1317                   | NA                                 | NA          |
| GeForce 6600                                       | 62                                   | 1320                   | NA                                 | NA          |
| GeForce Go 7400                                    | 62                                   | 1321                   | NA                                 | NA          |
| Mobility Radeon HD 3410                            | 62                                   | 1319                   | NA                                 | NA          |
| MOBILITY FireGL V3200                              | 61                                   | 1322                   | NA                                 | NA          |
| SAPPHIRE Radeon X1550                              | 61                                   | 1323                   | NA                                 | NA          |
| Intel - Express Chipset Q45/Q43                    | 60                                   | 1324                   | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Intel Q45/Q43 Express-Chipsatz                     | 60                                   | 1325                   | NA                                 | NA          |
| FireGL X1  | 59                                   | 1332                   | NA                                 | NA          |
| GeForce FX 5950 Ultra                              | 59                                   | 1330                   | NA                                 | NA          |
| Intel - Express Chipset G41                        | 59                                   | 1331                   | NA                                 | NA          |
| Matrox G200e WDDM 1.2                              | 59                                   | 1329                   | NA                                 | NA          |
| Quadro NVS 130M                                    | 59                                   | 1326                   | NA                                 | NA          |
| Radeon 2100  | 59                                   | 1327                   | 0.45                               | \$131.99    |
| RADEON 9800 PRO                                    | 59                                   | 1328                   | NA                                 | NA          |
| GeForce 8400M G                                    | 58                                   | 1333                   | NA                                 | NA          |
| Intel G41 Express-Chipsatz                         | 58                                   | 1334                   | NA                                 | NA          |
| Radeon X1300                                       | 58                                   | 1335                   | 0.57                               | \$101.99*   |
| RADEON X600 256MB HyperMemory                      | 58                                   | 1336                   | NA                                 | NA          |
| Chipset Intel G41 Express                          | 57                                   | 1338                   | NA                                 | NA          |
| Quadro NVS 135M                                    | 57                                   | 1337                   | NA                                 | NA          |
| GeForce 8200M G                                    | 56                                   | 1339                   | NA                                 | NA          |
| RADEON X550XT                                      | 56                                   | 1340                   | NA                                 | NA          |
| GeForce 7300 LE                                    | 55                                   | 1341                   | 1.72                               | \$32.00*    |
| RADEON 9700 PRO                                    | 53                                   | 1342                   | NA                                 | NA          |
| RADEON 9800 XT                                     | 53                                   | 1343                   | NA                                 | NA          |
| FireGL V3100                                       | 52                                   | 1345                   | NA                                 | NA          |
| Matrox G200eh WDDM 1.2                             | 52                                   | 1344                   | NA                                 | NA          |
| FirePro 2450                                       | 51                                   | 1346                   | 0.19                               | \$278.00*   |
| GeForce Go 7300                                    | 50                                   | 1349                   | NA                                 | NA          |
| Matrox G200eW WDDM 1.2                             | 50                                   | 1350                   | NA                                 | NA          |
| Mobility Radeon HD 2300                            | 50                                   | 1348                   | NA                                 | NA          |
| Radeon X1050                                       | 50                                   | 1351                   | NA                                 | NA          |
| RADEON X550  | 50                                   | 1347                   | NA                                 | NA          |
| 128MB RADEON X600 SE                               | 49                                   | 1356                   | NA                                 | NA          |

| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce 6600 LE                                 | 49                                   | 1353                   | NA                                 | NA          |
| MOBILITY RADEON X600                            | 49                                   | 1352                   | NA                                 | NA          |
| MOBILITY RADEON X600 SE                         | 49                                   | 1355                   | NA                                 | NA          |
| Radeon X1600                                    | 49                                   | 1354                   | NA                                 | NA          |
| Mobility Radeon X2300                           | 48                                   | 1358                   | NA                                 | NA          |
| Mobility Radeon X2300 HD                        | 48                                   | 1357                   | NA                                 | NA          |
| GeForce FX Go5700                               | 47                                   | 1359                   | NA                                 | NA          |
| Mobile Intel - famiglia Express Chipset serie 4 | 47                                   | 1360                   | NA                                 | NA          |
| Quadro NVS 110M                                 | 47                                   | 1362                   | NA                                 | NA          |
| Quadro NVS 120M                                 | 47                                   | 1361                   | NA                                 | NA          |
| Radeon X1550 64-bit                             | 47                                   | 1364                   | NA                                 | NA          |
| SAPPHIRE RADEON 9600 ATLANTIS                   | 47                                   | 1363                   | NA                                 | NA          |
| Mobile Intel 45 Express-Chipsatzfamilie         | 46                                   | 1365                   | NA                                 | NA          |
| MOBILITY RADEON 9800                            | 46                                   | 1366                   | NA                                 | NA          |
| FireMV 2250                                     | 45                                   | 1367                   | 0.43                               | \$105.99*   |
| GeForce Go 7200                                 | 45                                   | 1368                   | NA                                 | NA          |
| MOBILITY FireGL V5200                           | 45                                   | 1369                   | NA                                 | NA          |
| 128 DDR Radeon 9700 TX w/TV-Out                 | 44                                   | 1374                   | NA                                 | NA          |
| GeForce 6200                                    | 44                                   | 1373                   | 1.11                               | \$39.99*    |
| GeForce Go 6600 TE/6200 TE                      | 44                                   | 1370                   | NA                                 | NA          |
| Mobile Intel 4 Express-Chipsatzfamilie          | 44                                   | 1372                   | NA                                 | NA          |
| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Mobile Intel 45 Express                         | 44                                   | 1375                   | NA                                 | NA          |
| Mobile Intel serie 4 Express                    | 44                                   | 1371                   | NA                                 | NA          |
| GeForce 7100 GS                                 | 43                                   | 1377                   | NA                                 | NA          |
| Mobility Radeon X1400                           | 43                                   | 1376                   | NA                                 | NA          |
| GeForce FX 5900XT                               | 42                                   | 1378                   | NA                                 | NA          |
| Matrox G200eW                                   | 42                                   | 1380                   | NA                                 | NA          |
| Radeon Xpress 1250                              | 42                                   | 1379                   | NA                                 | NA          |
| GeForce 7300 SE/7200 GS                         | 41                                   | 1382                   | NA                                 | NA          |
| GeForce FX 5700                                 | 41                                   | 1383                   | NA                                 | NA          |
| GeForce FX 5900 Ultra                           | 41                                   | 1384                   | NA                                 | NA          |
| RADEON 9500 PRO / 9700                          | 41                                   | 1381                   | NA                                 | NA          |
| Matrox G200eh                                   | 40                                   | 1385                   | NA                                 | NA          |
| GeForce 7300 SE                                 | 39                                   | 1392                   | NA                                 | NA          |
| GIGABYTE RADEON 9600 PRO                        | 39                                   | 1391                   | NA                                 | NA          |
| MOBILITY FIREGL T2                              | 39                                   | 1386                   | NA                                 | NA          |
| MOBILITY RADEON 9600/9700                       | 39                                   | 1387                   | NA                                 | NA          |
| Mobility Radeon X1300                           | 39                                   | 1388                   | NA                                 | NA          |
| Mobility Radeon X1350                           | 39                                   | 1389                   | NA                                 | NA          |
| S3 Chrome 430 ULP                               | 39                                   | 1390                   | NA                                 | NA          |
| GeForce 6200 TurboCache                         | 38                                   | 1394                   | NA                                 | NA          |
| GeForce 6500                                    | 38                                   | 1396                   | NA                                 | NA          |
| Quadro NVS 285 128MB                            | 38                                   | 1395                   | 0.70                               | \$55.00*    |
| Quadro NVS 440                                  | 38                                   | 1393                   | 0.42                               | \$91.33*    |
| RADEON X300SE                                   | 38                                   | 1397                   | NA                                 | NA          |
| Mobile Intel - famiglia Express Chipset 45      | 37                                   | 1398                   | NA                                 | NA          |
| Radeon X1250                                    | 37                                   | 1399                   | NA                                 | NA          |
| FireMV 2200 PCIe                                | 36                                   | 1402                   | 0.40                               | \$89.99*    |
| Matrox G200eR                                   | 36                                   | 1400                   | NA                                 | NA          |
| RADEON 9500                                     | 36                                   | 1401                   | 0.90                               | \$40.50*    |

| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| Quadro FX 1100                           | 35                                   | 1403                   | 0.35                               | \$101.25    |
| RADEON 9600 XT                           | 35                                   | 1405                   | NA                                 | NA          |
| Radeon Xpress 1200                       | 35                                   | 1404                   | NA                                 | NA          |
| GeForce FX 5700 Ultra                    | 34                                   | 1411                   | NA                                 | NA          |
| GeForce FX 5900                          | 34                                   | 1409                   | NA                                 | NA          |
| GeForce PCX 5750                         | 34                                   | 1407                   | NA                                 | NA          |
| MOBILITY RADEON X300                     | 34                                   | 1412                   | NA                                 | NA          |
| Quadro FX 1000                           | 34                                   | 1410                   | NA                                 | NA          |
| Quadro NVS 285                           | 34                                   | 1406                   | 0.39                               | \$89.00*    |
| RADEON 9550                              | 34                                   | 1408                   | 1.09                               | \$31.88*    |
| GeForce 7150 / nForce 630i               | 33                                   | 1417                   | NA                                 | NA          |
| GeForce FX 5700VE                        | 33                                   | 1416                   | NA                                 | NA          |
| MOBILITY FIREGL T2/T2e                   | 33                                   | 1414                   | NA                                 | NA          |
| Mobility Radeon X1450                    | 33                                   | 1415                   | NA                                 | NA          |
| Radeon Xpress 1100                       | 33                                   | 1413                   | NA                                 | NA          |
| GeForce 6200 A-LE                        | 32                                   | 1420                   | NA                                 | NA          |
| Intel Media Accelerator                  | 32                                   | 1418                   | NA                                 | NA          |
| Radeon X1200                             | 32                                   | 1419                   | NA                                 | NA          |
| GeForce 7050 / nForce 620i               | 31                                   | 1422                   | NA                                 | NA          |
| GeForce 7100 / nForce 630i               | 31                                   | 1423                   | NA                                 | NA          |
| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon X1270                             | 31                                   | 1424                   | NA                                 | NA          |
| Red Hat QXL controller                   | 31                                   | 1421                   | NA                                 | NA          |
| FireGL T2-128                            | 30                                   | 1426                   | NA                                 | NA          |
| Intel G35 Express                        | 30                                   | 1427                   | NA                                 | NA          |
| OpenXT Display Driver                    | 30                                   | 1425                   | NA                                 | NA          |
| GeForce 6200SE TurboCache                | 29                                   | 1430                   | NA                                 | NA          |
| Radeon 9550 / X1050                      | 29                                   | 1431                   | NA                                 | NA          |
| Radeon Xpress 1150                       | 29                                   | 1428                   | NA                                 | NA          |
| RADEON XPRESS 200                        | 29                                   | 1429                   | NA                                 | NA          |
| GeForce 7050 / nForce 610i               | 27                                   | 1432                   | NA                                 | NA          |
| MOBILITY FireGL V5250                    | 27                                   | 1434                   | NA                                 | NA          |
| MOBILITY RADEON 9700                     | 27                                   | 1433                   | NA                                 | NA          |
| RADEON 9600SE                            | 27                                   | 1435                   | NA                                 | NA          |
| GeForce 6200 LE                          | 26                                   | 1437                   | 0.65                               | \$41.24*    |
| GeForce 7050 / nForce 630i               | 26                                   | 1438                   | NA                                 | NA          |
| MOBILITY RADEON XPRESS 200               | 26                                   | 1436                   | NA                                 | NA          |
| RADEON 9600 Family                       | 26                                   | 1440                   | NA                                 | NA          |
| RADEON 9600 PRO Family                   | 26                                   | 1441                   | NA                                 | NA          |
| Radeon Xpress 1270                       | 26                                   | 1439                   | NA                                 | NA          |
| GeForce 6100 nForce 400                  | 25                                   | 1444                   | NA                                 | NA          |
| GeForce 6100 nForce 420                  | 25                                   | 1443                   | NA                                 | NA          |
| GeForce 7025 / nForce 630a               | 25                                   | 1442                   | NA                                 | NA          |
| GeForce FX 5700LE                        | 25                                   | 1445                   | NA                                 | NA          |
| GeForce 6150SE                           | 24                                   | 1448                   | NA                                 | NA          |
| GeForce Go 6400                          | 24                                   | 1449                   | NA                                 | NA          |
| Mobile Intel 965 Express-Chipsatzfamilie | 24                                   | 1450                   | NA                                 | NA          |
| MOBILITY RADEON 9600 PRO TURBO           | 24                                   | 1447                   | NA                                 | NA          |
| Quadro FX 1300                           | 24                                   | 1446                   | NA                                 | NA          |
| GeForce 6100 nForce 430                  | 23                                   | 1453                   | NA                                 | NA          |
| Quadro NVS 210S                          | 23                                   | 1451                   | NA                                 | NA          |

| Videocard Name                              | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---|--------------------------------------|------------------------|------------------------------------|-------------|
| RADEON 9800 SE                              | 23                                   | 1452                   | NA                                 | NA          |
| Chell 1.8a for Mobile Intel 965             | 22                                   | 1454                   | NA                                 | NA          |
| GeForce 6100 nForce 405                     | 22                                   | 1456                   | NA                                 | NA          |
| GeForce 6150SE nForce 430                   | 22                                   | 1455                   | NA                                 | NA          |
| GeForce 7050 PV / nForce 630a               | 22                                   | 1457                   | NA                                 | NA          |
| GeForce 6100                                | 21                                   | 1461                   | NA                                 | NA          |
| GeForce 6150                                | 21                                   | 1458                   | 0.16                               | \$139.99    |
| GeForce 6150 LE                             | 21                                   | 1462                   | NA                                 | NA          |
| Matrox M9140 LP PCIe x16                    | 21                                   | 1460                   | NA                                 | NA          |
| RADEON XPRESS 200M                          | 21                                   | 1459                   | NA                                 | NA          |
| Mobile Intel 965 Express                    | 20                                   | 1464                   | NA                                 | NA          |
| PHDGD Solo 2 x64                            | 20                                   | 1465                   | NA                                 | NA          |
| Quadro NVS 210S / GeForce 6150LE            | 20                                   | 1463                   | NA                                 | NA          |
| S3 Chrome S25 DDR2                          | 19                                   | 1466                   | NA                                 | NA          |
| GeForce Go 6100                             | 18                                   | 1469                   | NA                                 | NA          |
| GeForce Go 6150                             | 18                                   | 1470                   | NA                                 | NA          |
| Intel G965 Express                          | 18                                   | 1468                   | NA                                 | NA          |
| RADEON 9600 TX Family                       | 18                                   | 1467                   | NA                                 | NA          |
| GeForce 7150M / nForce 630M                 | 17                                   | 1471                   | NA                                 | NA          |
| Videocard Name                              | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce FX 5600 Ultra                       | 17                                   | 1473                   | NA                                 | NA          |
| GeForce FX Go 5600                          | 17                                   | 1472                   | NA                                 | NA          |
| Chell 1.7b for Intel G33/G31                | 16                                   | 1475                   | NA                                 | NA          |
| GeForce FX Go5650                           | 16                                   | 1474                   | NA                                 | NA          |
| GRID V100-8Q                                | 16                                   | 1476                   | NA                                 | NA          |
| GeForce Go 6200                             | 15                                   | 1477                   | NA                                 | NA          |
| Chell 1.8b for Mobile Intel 965             | 14                                   | 1479                   | NA                                 | NA          |
| Quadro FX 500/600 PCI                       | 14                                   | 1478                   | NA                                 | NA          |
| Radeon HD 2400 PCI                          | 14                                   | 1480                   | NA                                 | NA          |
| FireMV 2400 PCIe                            | 13                                   | 1481                   | NA                                 | NA          |
| GeForce 7000M                               | 13                                   | 1482                   | NA                                 | NA          |
| Chell 1.7b for Intel 945G                   | 12                                   | 1487                   | NA                                 | NA          |
| GeForce 7000M / nForce 610M                 | 12                                   | 1483                   | NA                                 | NA          |
| GeForce FX 5200 Ultra                       | 12                                   | 1486                   | NA                                 | NA          |
| GeForce FX Go5300                           | 12                                   | 1484                   | NA                                 | NA          |
| Intel G33/G31 Express                       | 12                                   | 1485                   | NA                                 | NA          |
| GeForce FX 5200SE                           | 11                                   | 1488                   | NA                                 | NA          |
| GeForce FX 5600                             | 11                                   | 1489                   | NA                                 | NA          |
| Intel Q33 Express                           | 11                                   | 1490                   | NA                                 | NA          |
| PHDGD Solo 1.2.0 x86                        | 11                                   | 1493                   | NA                                 | NA          |
| RGH Drivers v3                              | 11                                   | 1492                   | NA                                 | NA          |
| VIA Chrome9 HD IGP                          | 11                                   | 1491                   | NA                                 | NA          |
| Intel Q35 Express                           | 10                                   | 1494                   | NA                                 | NA          |
| Matrox Millennium P690 PCIe x16             | 10                                   | 1495                   | NA                                 | NA          |
| GeForce FX 5600XT                           | 9                                    | 1496                   | NA                                 | NA          |
| GeForce FX 5500                             | 8                                    | 1498                   | 0.22                               | \$36.99*    |
| GeForce FX Go 5200                          | 8                                    | 1497                   | NA                                 | NA          |
| Chell 1.8b for Intel G33/G31                | 7                                    | 1502                   | NA                                 | NA          |
| Famille de jeu de puces Express Intel 946GZ | 7                                    | 1503                   | NA                                 | NA          |
| GeForce FX 5200                             | 7                                    | 1501                   | 0.11                               | \$69.99*    |
| GeForce FX 5200LE                           | 7                                    | 1506                   | 0.16                               | \$42.99*    |

| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce4 Ti 4400                         | 7                                    | 1505                   | NA                                 | NA          |
| GeForce4 Ti 4800 SE                      | 7                                    | 1499                   | NA                                 | NA          |
| Intel US15 Embedded Media and Controller | 7                                    | 1504                   | NA                                 | NA          |
| Quadro FX 500/FX 600                     | 7                                    | 1500                   | NA                                 | NA          |
| Chell 1.7b for Mobile Intel 945          | 6                                    | 1508                   | NA                                 | NA          |
| GeForce PCX 5300                         | 6                                    | 1516                   | NA                                 | NA          |
| GeForce4 MX Integrated GPU               | 6                                    | 1512                   | NA                                 | NA          |
| Intel 82945G Express                     | 6                                    | 1518                   | NA                                 | NA          |
| Intel 946GZ Express                      | 6                                    | 1513                   | NA                                 | NA          |
| Intel Media Accelerator 600              | 6                                    | 1507                   | NA                                 | NA          |
| Intel Q965/Q963 Express                  | 6                                    | 1514                   | NA                                 | NA          |
| Matrox Millennium P690 Plus LP PCIe x16  | 6                                    | 1510                   | NA                                 | NA          |
| MOBILITY RADEON 7000 IGP                 | 6                                    | 1515                   | NA                                 | NA          |
| MOBILITY RADEON 9000 IGP                 | 6                                    | 1509                   | NA                                 | NA          |
| Quadro NVS 55/280 PCI                    | 6                                    | 1517                   | NA                                 | NA          |
| Quadro4 380 XGL                          | 6                                    | 1511                   | NA                                 | NA          |
| RADEON IGP 350M                          | 6                                    | 1519                   | NA                                 | NA          |
| ALL-IN-WONDER RADEON 8500DV              | 5                                    | 1535                   | NA                                 | NA          |
| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce 256                              | 5                                    | 1538                   | 0.12                               | \$42.04*    |
| GeForce4 420 Go 32M                      | 5                                    | 1536                   | NA                                 | NA          |
| GeForce4 440 Go 64M                      | 5                                    | 1520                   | NA                                 | NA          |
| GeForce4 448 Go                          | 5                                    | 1530                   | NA                                 | NA          |
| GeForce4 460 Go --MobileForce M4 Stock-- | 5                                    | 1523                   | NA                                 | NA          |
| GeForce4 Ti 4200                         | 5                                    | 1532                   | NA                                 | NA          |
| GeForce4 Ti 4600                         | 5                                    | 1531                   | 0.10                               | \$53.99*    |
| Intel 82915G Express                     | 5                                    | 1526                   | NA                                 | NA          |
| Matrox Millennium P650 PCIe 128          | 5                                    | 1534                   | NA                                 | NA          |
| Matrox Parhelia APVe                     | 5                                    | 1529                   | NA                                 | NA          |
| Mobile Intel 945GM Express               | 5                                    | 1524                   | NA                                 | NA          |
| Mobile Intel 945GM/GU Express            | 5                                    | 1528                   | NA                                 | NA          |
| MOBILITY RADEON 9000/9100 IGP            | 5                                    | 1527                   | NA                                 | NA          |
| Quadro 280 NVS PCIe                      | 5                                    | 1525                   | NA                                 | NA          |
| Quadro4 980 XGL                          | 5                                    | 1540                   | 0.01                               | \$341.43*   |
| RADEON 9100 Family                       | 5                                    | 1521                   | NA                                 | NA          |
| RADEON 9100 IGP                          | 5                                    | 1533                   | NA                                 | NA          |
| SiS 760                                  | 5                                    | 1539                   | NA                                 | NA          |
| VIA/S3G UniChromell                      | 5                                    | 1522                   | NA                                 | NA          |
| Xabre                                    | 5                                    | 1537                   | NA                                 | NA          |
| ALL-IN-WONDER 9000                       | 4                                    | 1541                   | NA                                 | NA          |
| Chell 1.7b for Intel GMA 3150            | 4                                    | 1550                   | NA                                 | NA          |
| GeForce2 Integrated GPU                  | 4                                    | 1555                   | NA                                 | NA          |
| GeForce2 Ti                              | 4                                    | 1548                   | NA                                 | NA          |
| GeForce3                                 | 4                                    | 1543                   | NA                                 | NA          |
| GeForce3 Ti 200                          | 4                                    | 1557                   | NA                                 | NA          |
| GeForce4 MX 4000                         | 4                                    | 1552                   | NA                                 | NA          |
| GeForce4 MX 420                          | 4                                    | 1544                   | NA                                 | NA          |
| GeForce4 MX 440                          | 4                                    | 1553                   | NA                                 | NA          |
| GeForce4 MX 440 with AGP8X               | 4                                    | 1545                   | NA                                 | NA          |
| GeForce4 MX 440SE                        | 4                                    | 1551                   | NA                                 | NA          |
| GeForce4 MX 460                          | 4                                    | 1559                   | NA                                 | NA          |



| Videocard Name                          | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---|--------------------------------------|------------------------|------------------------------------|-------------|
| Intel 82865G Controller                 | 4                                    | 1546                   | NA                                 | NA          |
| Mobile Intel 915GM/GMS/910GML Express   | 4                                    | 1554                   | NA                                 | NA          |
| Mobile Intel 945 Express                | 4                                    | 1549                   | NA                                 | NA          |
| MOBILITY/RADEON 9000                    | 4                                    | 1563                   | NA                                 | NA          |
| RADEON 7500 Family                      | 4                                    | 1542                   | NA                                 | NA          |
| SiS 661FX/GX Mirage                     | 4                                    | 1565                   | NA                                 | NA          |
| SiS 661FX_760_741_M661FX_M760_M741      | 4                                    | 1558                   | NA                                 | NA          |
| SiS 741                                 | 4                                    | 1556                   | NA                                 | NA          |
| SiS M661MX                              | 4                                    | 1566                   | NA                                 | NA          |
| SiS Mirage                              | 4                                    | 1561                   | NA                                 | NA          |
| VIA Chrome9 HC IGP                      | 4                                    | 1560                   | NA                                 | NA          |
| VIA/S3G KM400/KN400                     | 4                                    | 1564                   | NA                                 | NA          |
| VIA/S3G UniChrome IGP                   | 4                                    | 1562                   | NA                                 | NA          |
| VIA/S3G UniChrome Pro IGP               | 4                                    | 1547                   | NA                                 | NA          |
| ABIT Siluro T400                        | 3                                    | 1570                   | NA                                 | NA          |
| GeForce2 GTS/GeForce2 Pro               | 3                                    | 1568                   | NA                                 | NA          |
| GeForce2 MX 100/200                     | 3                                    | 1590                   | NA                                 | NA          |
| Videocard Name                          | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce2 MX/MX 400                      | 3                                    | 1571                   | NA                                 | NA          |
| GeForce4 420 Go                         | 3                                    | 1587                   | NA                                 | NA          |
| GeForce4 4200 Go                        | 3                                    | 1569                   | NA                                 | NA          |
| GeForce4 440 Go                         | 3                                    | 1577                   | NA                                 | NA          |
| Intel 82915G/GV/910GL Express           | 3                                    | 1595                   | NA                                 | NA          |
| Intel 865 Embedded Controller           | 3                                    | 1579                   | NA                                 | NA          |
| Intel 946GZ Embedded Chipset Function 0 | 3                                    | 1591                   | NA                                 | NA          |
| Intel Media Accelerator 3150            | 3                                    | 1594                   | NA                                 | NA          |
| Intel Media Accelerator 500             | 3                                    | 1585                   | NA                                 | NA          |
| MOBILITY RADEON 7500                    | 3                                    | 1581                   | NA                                 | NA          |
| MOBILITY RADEON 9000                    | 3                                    | 1589                   | NA                                 | NA          |
| MOBILITY RADEON 9200                    | 3                                    | 1596                   | NA                                 | NA          |
| RADEON 7000 / RADEON VE Family          | 3                                    | 1573                   | NA                                 | NA          |
| RADEON 7500                             | 3                                    | 1592                   | 0.10                               | \$32.12*    |
| RADEON 9000 Family                      | 3                                    | 1583                   | NA                                 | NA          |
| RADEON 9200                             | 3                                    | 1580                   | 0.09                               | \$39.95*    |
| Radeon IGP 320M                         | 3                                    | 1582                   | NA                                 | NA          |
| Rage Fury Pro/Xpert 2000 Pro            | 3                                    | 1593                   | NA                                 | NA          |
| RIVA TNT2 Model 64/Model 64 Pro         | 3                                    | 1575                   | NA                                 | NA          |
| RIVA TNT2/TNT2 Pro                      | 3                                    | 1586                   | NA                                 | NA          |
| Sherry 1.3.2 beta for 945 chipsets      | 3                                    | 1576                   | NA                                 | NA          |
| SiS 650_651_M650_M652_740               | 3                                    | 1584                   | NA                                 | NA          |
| SiS 661FX                               | 3                                    | 1574                   | NA                                 | NA          |
| SiS M760GX                              | 3                                    | 1572                   | NA                                 | NA          |
| Vanta/Vanta LT                          | 3                                    | 1597                   | NA                                 | NA          |
| VIA Chrome9 HC IGP Family               | 3                                    | 1567                   | NA                                 | NA          |
| VIA Chrome9 HC IGP Family WDDM          | 3                                    | 1578                   | NA                                 | NA          |
| VIA Chrome9 HC IGP WDDM 1.1             | 3                                    | 1598                   | NA                                 | NA          |
| VIA/S3G DeltaChrome IGP                 | 3                                    | 1588                   | NA                                 | NA          |
| Chell 1.8b for Mobile Intel 945         | 2                                    | 1610                   | NA                                 | NA          |
| GeForce2 MX                             | 2                                    | 1605                   | NA                                 | NA          |
| GeForce3 Ti 500                         | 2                                    | 1612                   | NA                                 | NA          |
| Intel 82845G Controller                 | 2                                    | 1615                   | NA                                 | NA          |

| Videocard Name                         | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------------|-------------|
| Intel 82845G/GL Controller             | 2                                    | 1607                   | NA                                 | NA          |
| Intel 82845G/GL/GE/PE/GV Controller    | 2                                    | 1600                   | NA                                 | NA          |
| MOBILITY RADEON 9100 IGP               | 2                                    | 1599                   | NA                                 | NA          |
| Quadro NVS 280 SD                      | 2                                    | 1614                   | NA                                 | NA          |
| RADEON 9200 LE Family                  | 2                                    | 1608                   | NA                                 | NA          |
| RADEON 9200 PRO Family                 | 2                                    | 1601                   | NA                                 | NA          |
| RADEON 9200 SE                         | 2                                    | 1611                   | NA                                 | NA          |
| RADEON 9250                            | 2                                    | 1609                   | 0.06                               | \$42.99*    |
| Radeon IGP 340M                        | 2                                    | 1613                   | NA                                 | NA          |
| RADEON IGP 345M                        | 2                                    | 1606                   | NA                                 | NA          |
| SiS 651                                | 2                                    | 1603                   | NA                                 | NA          |
| SiS Mirage 3                           | 2                                    | 1616                   | NA                                 | NA          |
| VIA Chrome9 HC IGP Prerelease WDDM 1.1 | 2                                    | 1604                   | NA                                 | NA          |
| VIA Chrome9 HC IGP WDDM                | 2                                    | 1602                   | NA                                 | NA          |
| Chell 1.8b for Intel 945G              | 1                                    | 1619                   | NA                                 | NA          |
| Quadro2 Pro                            | 1                                    | 1623                   | NA                                 | NA          |
| Videocard Name                         | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| RAGE 128 PRO AGP 4X TMDS               | 1                                    | 1622                   | NA                                 | NA          |
| S3 ProSavageDDR                        | 1                                    | 1621                   | NA                                 | NA          |
| Sherry 1.3 for GMA 3150                | 1                                    | 1617                   | NA                                 | NA          |
| SiS 630/730                            | 1                                    | 1620                   | NA                                 | NA          |
| VIA Chrome9 HCM IGP                    | 1                                    | 1618                   | NA                                 | NA          |

\* - Last price seen from our affiliates.



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