

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

New Laptop CPU Performance

This chart comparing performance of CPUs designed for laptop and portable machines is made using thousands of [PerformanceTest](#) benchmark results and is updated daily.

Notes:

- While we try to keep this chart mainly desktop CPU free, there might be some desktop processors in the list. This is because the classification of a laptop CPU is determined at result submission time by the user of PerformanceTest. Some users incorrectly clicked the "Laptop" check box.
- The chart shows only CPUs that had their benchmark first submitted within the last 36 months. Older laptop CPUs may not appear.

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| | CPU Mark | Price Performance | Sorted by Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|---------------------------|----------------|-----|----------|-------------|--|------------------------|---------------------------|--|------------------------|---------------------------|---|------------------------|---------------------------|--|------------------------|---------------------------|---|------------------------|---------------------------|--|------------------------|---------------------------|--|------------------------|---------------------------|---|------------------------|---------------------------|--|------------------------|---------------------------|--|------------------------|--------------------|---|------------------------|--------------------|--|------------------------|---------------------------|---|------------------------|---------------------------|---|------------------------|---------------------------|---|------------------------|---------------------------|---|------------------------|--------------------------|---|------------------------|--------------------------|---|------------------------|--------------------|---|------------------------|--------------------------|---|------------------------|--------------------|
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 20%;"> <p> CPUS</p> <hr/> <p> High End</p> <p>High Mid Range</p> <p>Low Mid Range</p> <p>Low End</p> <hr/> <p> Best Value (On Market)</p> <p>Best Value XY Scatter</p> <p>Best Value (All time)</p> <hr/> <p> New Desktop</p> <p style="border: 2px solid #007bff; padding: 2px;">New Laptop</p> <hr/> <p> Single Thread</p> <p>Systems with Multiple CPUs</p> <p>Overclocked</p> <p>Power Performance</p> <p>CPU Mark by Socket Type</p> <hr/> <p> CPU Mega List</p> <p>Search Market</p> </div> <div style="width: 80%; text-align: center;"> <h2 style="margin: 0;">PassMark - CPU Mark</h2> <p style="margin: 0;">Laptop & Portable CPU Performance</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 30%;">CPU</th> <th style="width: 30%;">CPU Mark</th> <th style="width: 30%;">Price (USD)</th> </tr> </thead> <tbody> <tr><td>Intel Xeon E-2286M @ 2.40GHz</td><td>18.446</td><td>\$623.00*</td></tr> <tr><td>Intel Core i9-9980HK @ 2.40GHz</td><td>17.721</td><td>\$583.00*</td></tr> <tr><td>Intel Core i9-9880H @ 2.30GHz</td><td>16.770</td><td>\$556.00*</td></tr> <tr><td>Intel Xeon E-2276M @ 2.80GHz</td><td>14.824</td><td>\$450.00*</td></tr> <tr><td>Intel Core i7-8700B @ 3.20GHz</td><td>14.802</td><td>\$303.00*</td></tr> <tr><td>Intel Xeon E-2186M @ 2.90GHz</td><td>14.519</td><td>\$623.00*</td></tr> <tr><td>Intel Core i7-10710U @ 1.10GHz</td><td>14.499</td><td>\$443.00*</td></tr> <tr><td>Intel Core i7-9850H @ 2.60GHz</td><td>14.266</td><td>\$395.00*</td></tr> <tr><td>Intel Core i9-8950HK @ 2.90GHz</td><td>14.223</td><td>\$583.00*</td></tr> <tr><td>Intel Xeon E5-2648L v4 @ 1.80GHz</td><td>13.654</td><td>NA</td></tr> <tr><td>Intel Core i7-9750H @ 2.60GHz</td><td>13.571</td><td>NA</td></tr> <tr><td>Intel Xeon E-2176M @ 2.70GHz</td><td>13.510</td><td>\$450.00*</td></tr> <tr><td>Intel Core i7-8850H @ 2.60GHz</td><td>12.990</td><td>\$395.00*</td></tr> <tr><td>Intel Core i5-8500B @ 3.00GHz</td><td>12.756</td><td>\$192.00*</td></tr> <tr><td>Intel Core i7-8750H @ 2.20GHz</td><td>12.407</td><td>\$395.00*</td></tr> <tr><td>Intel Core i7-8559U @ 2.70GHz</td><td>12.224</td><td>\$589.82</td></tr> <tr><td>Intel Core i5-9400F @ 2.90GHz</td><td>12.110</td><td>\$139.99</td></tr> <tr><td>Intel Xeon E5-4648 v3 @ 1.70GHz</td><td>11.097</td><td>NA</td></tr> <tr><td>Intel Core i5-8259U @ 2.30GHz</td><td>10.994</td><td>\$771.35</td></tr> <tr><td>Intel Core i7-8809G @ 3.10GHz</td><td>10.990</td><td>NA</td></tr> </tbody> </table> </div> </div> | | | | CPU | CPU Mark | Price (USD) | Intel Xeon E-2286M @ 2.40GHz | 18.446 | \$623.00* | Intel Core i9-9980HK @ 2.40GHz | 17.721 | \$583.00* | Intel Core i9-9880H @ 2.30GHz | 16.770 | \$556.00* | Intel Xeon E-2276M @ 2.80GHz | 14.824 | \$450.00* | Intel Core i7-8700B @ 3.20GHz | 14.802 | \$303.00* | Intel Xeon E-2186M @ 2.90GHz | 14.519 | \$623.00* | Intel Core i7-10710U @ 1.10GHz | 14.499 | \$443.00* | Intel Core i7-9850H @ 2.60GHz | 14.266 | \$395.00* | Intel Core i9-8950HK @ 2.90GHz | 14.223 | \$583.00* | Intel Xeon E5-2648L v4 @ 1.80GHz | 13.654 | NA | Intel Core i7-9750H @ 2.60GHz | 13.571 | NA | Intel Xeon E-2176M @ 2.70GHz | 13.510 | \$450.00* | Intel Core i7-8850H @ 2.60GHz | 12.990 | \$395.00* | Intel Core i5-8500B @ 3.00GHz | 12.756 | \$192.00* | Intel Core i7-8750H @ 2.20GHz | 12.407 | \$395.00* | Intel Core i7-8559U @ 2.70GHz | 12.224 | \$589.82 | Intel Core i5-9400F @ 2.90GHz | 12.110 | \$139.99 | Intel Xeon E5-4648 v3 @ 1.70GHz | 11.097 | NA | Intel Core i5-8259U @ 2.30GHz | 10.994 | \$771.35 | Intel Core i7-8809G @ 3.10GHz | 10.990 | NA |
| CPU | CPU Mark | Price (USD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Xeon E-2286M @ 2.40GHz | 18.446 | \$623.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i9-9980HK @ 2.40GHz | 17.721 | \$583.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i9-9880H @ 2.30GHz | 16.770 | \$556.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Xeon E-2276M @ 2.80GHz | 14.824 | \$450.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i7-8700B @ 3.20GHz | 14.802 | \$303.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Xeon E-2186M @ 2.90GHz | 14.519 | \$623.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i7-10710U @ 1.10GHz | 14.499 | \$443.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i7-9850H @ 2.60GHz | 14.266 | \$395.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i9-8950HK @ 2.90GHz | 14.223 | \$583.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Xeon E5-2648L v4 @ 1.80GHz | 13.654 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i7-9750H @ 2.60GHz | 13.571 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Xeon E-2176M @ 2.70GHz | 13.510 | \$450.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i7-8850H @ 2.60GHz | 12.990 | \$395.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i5-8500B @ 3.00GHz | 12.756 | \$192.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i7-8750H @ 2.20GHz | 12.407 | \$395.00* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i7-8559U @ 2.70GHz | 12.224 | \$589.82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i5-9400F @ 2.90GHz | 12.110 | \$139.99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Xeon E5-4648 v3 @ 1.70GHz | 11.097 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i5-8259U @ 2.30GHz | 10.994 | \$771.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intel Core i7-8809G @ 3.10GHz | 10.990 | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------------------------|-----------------------|-----|------------|---------|--------------|
| Intel Core i5-9400H @ 2.50GHz | | | | 10.826 | |
| Intel Core i5-8279U @ 2.40GHz | | | | 10.740 | \$250.00* |
| Intel Xeon E3-1535M v6 @ 3.10GHz | | | | 10.623 | \$320.00* |
| Intel Core i7-8706G @ 3.10GHz | | | | 10.558 | NA |
| Intel Core i7-7920HQ @ 3.10GHz | | | | 10.539 | NA |
| Intel Core i5-8400H @ 2.50GHz | | | | 10.408 | \$250.00* |
| Intel Core i7-7920HQ @ 3.10GHz | | | | 9.991 | NA |
| Intel Core i7-7820HK @ 2.90GHz | | | | 9.960 | NA |
| Intel Core i7-8705G @ 3.10GHz | | | | 9.928 | \$1,408.75* |
| Intel Core i7-5850EQ @ 2.70GHz | | | | 9.817 | \$435.00* |
| Intel Core i7-8709G @ 3.10GHz | | | | 9.780 | NA |
| Intel Core i5-9300H @ 2.40GHz | | | | 9.729 | \$250.00* |
| Intel Core i5-8300H @ 2.30GHz | | | | 9.467 | \$250.00* |
| Intel Core i7-10510U @ 1.80GHz | | | | 9.325 | \$409.00* |
| Intel Core i7-7820HQ @ 2.90GHz | | | | 9.242 | \$378.00* |
| Intel Core i7-7820EQ @ 3.00GHz | | | | 9.144 | \$378.00* |
| Intel Core i5-1035G1 @ 1.00GHz | | | | 9.119 | \$297.00* |
| Intel Core i7-8665U @ 1.90GHz | | | | 9.082 | \$409.00* |
| AMD Ryzen 7 3750H | | | | 9.029 | NA |
| Intel Core i5-10210U @ 1.60GHz | | | | 8.990 | \$297.00* |
| Intel Core i5-8305G @ 2.80GHz | | | | 8.947 | NA |
| Intel Core i7-8565U @ 1.80GHz | | | | 8.921 | NA |
| AMD Ryzen 7 PRO 2700U | | | | 8.887 | NA |
| Intel Core i7-7700HQ @ 2.80GHz | | | | 8.767 | NA |
| Intel Core i7-8650U @ 1.90GHz | | | | 8.704 | NA |
| Intel Xeon E3-1268L v5 @ 2.40GHz | | | | 8.695 | \$377.00* |
| AMD Ryzen Embedded V1807B | | | | 8.604 | NA |
| AMD Ryzen 7 PRO 3700U | | | | 8.595 | NA |
| Intel Core i3-8100B @ 3.60GHz | | | | 8.544 | \$133.00* |
| AMD Ryzen 7 2800H | | | | 8.498 | NA |
| AMD Ryzen 5 PRO 3500U | | | | 8.437 | NA |
| Intel Core i5-8365U @ 1.60GHz | | | | 8.429 | \$297.00* |
| AMD Ryzen 5 3550H | | | | 8.422 | NA |
| AMD Ryzen 5 2600H | | | | 8.366 | NA |
| Intel Core i7-8550U @ 1.80GHz | | | | 8.248 | NA |
| AMD Ryzen 3 PRO 3200GE | | | | 8.219 | NA |
| AMD Ryzen 5 PRO 2500U | | | | 8.213 | NA |
| Intel Core i5-8350U @ 1.70GHz | | | | 8.154 | \$297.00* |
| AMD Ryzen 7 3700U | | | | 8.088 | NA |
| Intel Core i5-8265U @ 1.60GHz | | | | 8.026 | \$297.00* |
| AMD Ryzen 5 3500U | | | | 7.943 | NA |
| Intel Xeon E3-1505L v6 @ 2.20GHz | | | | 7.887 | NA |
| Intel Core i5-8265UC @ 1.60GHz | | | | 7.780 | NA |
| Intel Core i5-8250U @ 1.60GHz | | | | 7.655 | NA |
| Intel Core i5-7440HQ @ 2.80GHz | | | | 7.641 | NA |
| AMD Ryzen 7 2700U | | | | 7.400 | NA |
| AMD Ryzen 5 2500U | | | | 7.358 | NA |
| AMD Ryzen 3 PRO 2300U | | | | 7.092 | NA |
| AMD Ryzen Embedded V1605B | | | | 7.053 | NA |

| CPU Benchmarks | Video | Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|-------|--|-----------------------|-----|------------|-----------------------|---------------------------|
| | | Intel Core i5-7300HQ @ 2.50GHz | | | | 6.718 | NA |
| | | Intel Core i7-7567U @ 3.50GHz | | | | 6.464 | \$889.98 |
| | | Intel Xeon E3-1505L v5 @ 2.00GHz | | | | 6.374 | NA |
| | | Intel Core i5-6440EQ @ 2.70GHz | | | | 6.223 | NA |
| | | Intel Core i3-8109U @ 3.00GHz | | | | 6.157 | NA |
| | | AMD Ryzen 3 3300U | | | | 6.143 | NA |
| | | AMD Ryzen 3 2300U | | | | 6.096 | NA |
| | | Intel Core i7-7660U @ 2.50GHz | | | | 5.993 | NA |
| | | Intel Core i3-10110U @ 2.10GHz | | | | 5.930 | NA |
| | | Intel Core i3-1005G1 @ 1.20GHz | | | | 5.905 | \$281.00* |
| | | Intel Core i5-7442EQ @ 2.10GHz | | | | 5.901 | \$250.00* |
| | | Intel Core i5-7360U @ 2.30GHz | | | | 5.855 | NA |
| | | Intel Core i7-7560U @ 2.40GHz | | | | 5.789 | NA |
| | | Intel Core i5-7287U @ 3.30GHz | | | | 5.656 | NA |
| | | Intel Core i5-7260U @ 2.20GHz | | | | 5.638 | \$574.98 |
| | | Intel Core i3-8145U @ 2.10GHz | | | | 5.551 | \$281.00* |
| | | AMD Athlon 220GE | | | | 5.302 | \$69.10 |
| | | AMD A8-7680 | | | | 5.297 | \$59.99* |
| | | Intel Core i5-7300U @ 2.60GHz | | | | 5.161 | \$479.99 |
| | | Intel Core i7-7600U @ 2.80GHz | | | | 5.106 | NA |
| | | AMD Embedded R-Series RX-418GD Radeon R6 | | | | 5.068 | NA |
| | | Intel Core i3-8130U @ 2.20GHz | | | | 5.023 | \$281.00* |
| | | Intel Core i5-7267U @ 3.10GHz | | | | 4.999 | NA |
| | | AMD Ryzen Embedded R1505G | | | | 4.889 | NA |
| | | Intel Core i3-8121U @ 2.20GHz | | | | 4.802 | NA |
| | | AMD Ryzen 3 3200U | | | | 4.779 | NA |
| | | AMD FX-9830P | | | | 4.777 | NA |
| | | Intel Core i3-7167U @ 2.80GHz | | | | 4.757 | NA |
| | | Intel Core i5-6287U @ 3.10GHz | | | | 4.751 | \$304.00* |
| | | Intel Core i5-6360U @ 2.00GHz | | | | 4.686 | NA |
| | | AMD Athlon 300U | | | | 4.660 | NA |
| | | Intel Core i3-7100H @ 3.00GHz | | | | 4.627 | \$225.00* |
| | | AMD Ryzen 3 2200U | | | | 4.581 | NA |
| | | Intel Core i5-7200U @ 2.50GHz | | | | 4.566 | NA |
| | | Intel Core i7-6498DU @ 2.50GHz | | | | 4.437 | NA |
| | | AMD A12-9730P | | | | 4.417 | NA |
| | | AMD PRO A10-9700B | | | | 4.380 | NA |
| | | AMD Ryzen Embedded V1202B | | | | 4.368 | NA |
| | | Intel Core i5-8200Y @ 1.30GHz | | | | 4.339 | \$291.00* |
| | | AMD PRO A12-8830B | | | | 4.259 | NA |
| | | Intel Core i5-8210Y @ 1.60GHz | | | | 4.227 | NA |
| | | Intel Core i3-7130U @ 2.70GHz | | | | 4.062 | \$459.99* |
| | | AMD A12-9720P | | | | 3.994 | NA |
| | | Intel Core i7-8500Y @ 1.50GHz | | | | 3.971 | \$393.00* |
| | | AMD PRO A10-8730B | | | | 3.971 | NA |
| | | AMD PRO A8-9600B | | | | 3.964 | NA |
| | | Intel Core i3-6157U @ 2.40GHz | | | | 3.835 | NA |
| | | Intel Core i3-7100U @ 2.40GHz | | | | 3.766 | \$380.64* |
| | | Intel Core i7-7Y75 @ 1.30GHz | | | | 3.738 | NA |

| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|--|-----------------------|-----|------------|---------|--------------|
| | | | | | 3.676 | |
| | AMD A10-9620P | | | | 3.663 | NA |
| | Intel Core m3-8100Y @ 1.10GHz | | | | 3.562 | \$281.00* |
| | Intel Core i3-7020U @ 2.30GHz | | | | 3.540 | \$281.00* |
| | Intel Core i5-7Y54 @ 1.20GHz | | | | 3.538 | NA |
| | Intel Core m3-7Y30 @ 1.00GHz | | | | 3.528 | NA |
| | Intel Core m3-7Y32 @ 1.10GHz | | | | 3.318 | NA |
| | Intel Core i3-7102E @ 2.10GHz | | | | 3.266 | \$225.00* |
| | Intel Core i3-6102E @ 1.90GHz | | | | 3.196 | \$225.00* |
| | Intel Pentium 4417U @ 2.30GHz | | | | 3.192 | \$161.00* |
| | Intel Pentium 5405U @ 2.30GHz | | | | 3.171 | \$161.00* |
| | Intel Pentium 4415U @ 2.30GHz | | | | 3.153 | NA |
| | Intel Core i3-6006U @ 2.00GHz | | | | 3.081 | NA |
| | Intel Core i5-4230U @ 1.90GHz | | | | 2.902 | NA |
| | Intel Pentium G4400TE @ 2.40GHz | | | | 2.885 | \$64.00* |
| | Intel Core i5-4422E @ 1.80GHz | | | | 2.806 | \$266.00* |
| | AMD PRO A6-7350B | | | | 2.759 | NA |
| | Intel Celeron G3900E @ 2.40GHz | | | | 2.679 | NA |
| | Intel Celeron G3900TE @ 2.30GHz | | | | 2.591 | \$42.00* |
| | AMD Embedded G-Series GX-420GI Radeon R7E | | | | 2.508 | NA |
| | AMD A9-9425 | | | | 2.501 | NA |
| | Intel Pentium Silver N5000 @ 1.10GHz | | | | 2.466 | \$161.00* |
| | AMD Embedded R-Series RX-216GD | | | | 2.409 | NA |
| | AMD PRO A6-8530B | | | | 2.388 | NA |
| | Intel Celeron 2000E @ 2.20GHz | | | | 2.365 | NA |
| | Intel Celeron 3965U @ 2.20GHz | | | | 2.360 | \$107.00* |
| | AMD A9-9420 | | | | 2.340 | NA |
| | AMD A9-9400 | | | | 2.312 | NA |
| | Intel Celeron N4100 @ 1.10GHz | | | | 2.265 | \$107.00* |
| | Intel Pentium 4415Y @ 1.60GHz | | | | 2.220 | \$161.00* |
| | AMD A6-9220 | | | | 2.171 | NA |
| | AMD A6-9225 | | | | 2.131 | NA |
| | AMD A4-5050 APU | | | | 2.113 | NA |
| | AMD Embedded G-Series GX-224JJ Radeon R4E | | | | 2.088 | NA |
| | Intel Atom C2538 @ 2.40GHz | | | | 2.085 | \$104.00* |
| | AMD PRO A6-9500B | | | | 2.076 | NA |
| | AMD A6-9220C | | | | 2.071 | NA |
| | Intel Pentium 4410Y @ 1.50GHz | | | | 2.050 | \$161.00* |
| | Intel Atom T5700 @ 1.70GHz | | | | 2.039 | NA |
| | Intel Pentium N4200 @ 1.10GHz | | | | 2.037 | \$233.98* |
| | AMD A4-9125 | | | | 1.983 | NA |
| | AMD A4-9120 | | | | 1.962 | NA |
| | Intel Celeron 4205U @ 1.80GHz | | | | 1.953 | \$107.00* |
| | Intel Celeron 3865U @ 1.80GHz | | | | 1.913 | NA |
| | Intel Atom x7-Z8750 @ 1.60GHz | | | | 1.894 | NA |
| | Intel Atom E3950 @ 1.60GHz | | | | 1.876 | NA |
| | Intel Atom E3940 @ 1.60GHz | | | | 1.867 | NA |
| | Intel Celeron N3450 @ 1.10GHz | | | | 1.850 | \$156.74 |

| | | | | | | | |
|------------------|-----------------------|-----------------------|-----|------------|--------------------------------|-------|-----------|
| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | AMD A9-9420e | 1,819 | NA |
| | | | | | AMD Embedded G-Series GX-215JJ | 1,758 | NA |
| | | | | | AMD A6-9200 | 1,747 | NA |
| | | | | | AMD E2-9010 | 1,705 | NA |
| | | | | | AMD E2-9000 | 1,654 | NA |
| | | | | | AMD A6-9220e | 1,621 | NA |
| | | | | | Intel Celeron 3965Y @ 1.50GHz | 1,607 | \$107.00* |
| | | | | | Intel Celeron 2002E @ 1.50GHz | 1,605 | \$86.00* |
| | | | | | AMD R-260H APU | 1,576 | NA |
| | | | | | AMD A4-9120C | 1,539 | NA |
| | | | | | Intel Celeron N4000 @ 1.10GHz | 1,435 | \$107.00* |
| | | | | | Intel Celeron 2981U @ 1.60GHz | 1,364 | NA |
| | | | | | AMD E2-9000e | 1,344 | NA |
| | | | | | AMD GX-218GL SOC | 1,207 | NA |
| | | | | | Intel Celeron J3355 @ 2.00GHz | 1,168 | NA |
| | | | | | Intel Celeron N3350 @ 1.10GHz | 1,111 | NA |
| | | | | | Intel Celeron N3010 @ 1.04GHz | 973 | NA |
| | | | | | Intel Atom x5-E3930 @ 1.30GHz | 811 | NA |
| | | | | | AMD G-T40R | 203 | NA |
| | | | | | VIA Eden 1200MHz | 142 | NA |
| VIA Eden 1000MHz | 123 | NA | | | | | |

//

| | | | | | |
|------------------------------------|--|---|--------------------------------|--------------------------|--|
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| Zoom Search Engine | USB Short Circuit Testers | Android Benchmarks | | | |
| Free Software | | iOS / iPhone Benchmarks | | | |

CPU Benchmarks

Over 1,000,000 CPUs benchmarked

High End CPUs - Intel vs AMD


This chart comparing high end CPUs is made using thousands of [PerformanceTest](#) benchmark results and is updated daily. These are the high end AMD and Intel CPUs are typically those found in newer computers. The chart below compares the performance of Intel Xeon CPUs, Intel Core i7/i9 CPUs, AMD Ryzen/Threadripper CPUs and AMD Epyc with multiple cores. Intel processors vs AMD chips - find out which CPUs performance is best for your new gaming rig or server!

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| CPU | | CPU Mark | Price Performance |
|--|---|------------------------|-----------------------------|
| PassMark - CPU Mark | | | |
| High End CPUs | | | |
| | CPU | CPU Mark | Price (USD) |
| <ul style="list-style-type: none"> High End High Mid Range Low Mid Range Low End | AMD EPYC 7742 | 47.365 | \$6,950.00* |
| | AMD EPYC 7702P | 46.067 | \$4,425.00* |
| | Intel Xeon W-3175X @ 3.10GHz | 33.538 | \$3,044.26 |
| | AMD Ryzen 9 PRO 3900 | 32.946 | NA |
| | AMD Ryzen 9 3900X | 31.855 | \$564.00 |
| | Intel Xeon W-3265 @ 2.70GHz | 31.691 | \$3,349.00* |
| | Intel Core i9-9980XE @ 3.00GHz | 29.611 | \$1,989.99 |
| | Intel Xeon Platinum 8168 @ 2.70GHz | 29.131 | \$5,890.00* |
| | Intel Xeon Platinum 8173M @ 2.00GHz | 28.860 | NA |
| | Intel Xeon Gold 6210U @ 2.50GHz | 28.560 | NA |
| <ul style="list-style-type: none"> Best Value (On Market) Best Value XY Scatter Best Value (All time) | Intel Xeon Platinum 8175M @ 2.50GHz | 28.103 | NA |
| | Intel Core i9-9960X @ 3.10GHz | 27.930 | \$1,621.99 |
| | Intel Xeon Gold 6154 @ 3.00GHz | 27.722 | \$3,909.00* |
| | Intel Core i9-7980XE @ 2.60GHz | 27.640 | \$1,579.99 |
| | Intel Core i9-9940X @ 3.30GHz | 27.124 | \$1,245.90 |
| | Intel Xeon Platinum 8124M @ 3.00GHz | 26.835 | NA |
| | Intel Core i9-7960X @ 2.80GHz | 26.096 | \$1,349.99* |
| | Intel Xeon Gold 6148 @ 2.40GHz | 25.817 | \$2,925.00* |
| | Intel Xeon Gold 6138 @ 2.00GHz | 25.774 | \$2,628.95 |
| | AMD Ryzen 7 PRO 3700 | 25.748 | NA |
| <ul style="list-style-type: none"> Single Thread Systems with Multiple CPUs Overclocked Power Performance CPU Mark by Socket Type | AMD Ryzen Threadripper 2950X | 25.447 | \$701.20 |
| | Intel Core i9-7940X @ 3.10GHz | 25.394 | \$1,299.99* |
| | | | |

 CPU Mega List
 Search Model

Common CPU Benchmarks Most Benchmarked

AMD vs Intel Market Share

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| | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|--|--|-----------------------|-----|------------|------------------------|-----------------------------|
| | Intel Xeon Gold 6242 @ 2.80GHz | | | | 25.313 | \$2,678.49 |
| | Intel Xeon E5-2679 v4 @ 2.50GHz | | | | 25.266 | \$2,702.00* |
| | Intel Core i9-9920X @ 3.50GHz | | | | 25.257 | \$1,199.00 |
| | Intel Xeon Gold 6146 @ 3.20GHz | | | | 25.142 | \$4,608.95* |
| | Intel Xeon Gold 6230 @ 2.10GHz | | | | 24.600 | \$2,013.99 |
| | AMD Ryzen 7 3800X | | | | 24.587 | \$379.99 |
| | Intel Xeon W-2170B @ 2.50GHz | | | | 24.561 | NA |
| | Intel Xeon W-2175 @ 2.50GHz | | | | 24.454 | \$2,071.22 |
| | Intel Xeon Platinum 8176 @ 2.10GHz | | | | 24.434 | \$8,725.00* |
| | Intel Xeon W-2195 @ 2.30GHz | | | | 24.081 | \$2,780.48* |
| | Intel Xeon Gold 6140 @ 2.30GHz | | | | 23.964 | \$2,439.99* |
| | Intel Xeon Gold 6132 @ 2.60GHz | | | | 23.907 | \$2,508.95 |
| | AMD Ryzen 7 3700X | | | | 23.887 | \$329.00 |
| | Intel Xeon Gold 6152 @ 2.10GHz | | | | 23.498 | \$3,702.12* |
| | AMD EPYC 7502P | | | | 23.465 | \$2,300.00* |
| | Intel Xeon E5-2699 v4 @ 2.20GHz | | | | 23.435 | \$5,954.79* |
| | Intel Core i9-7920X @ 2.90GHz | | | | 23.316 | \$1,346.25* |
| | AMD Ryzen Threadripper 2990WX | | | | 23.163 | \$1,566.28 |
| | Intel Core i9-9900X @ 3.50GHz | | | | 23.029 | \$1,009.00 |
| | Intel Xeon Gold 5218 @ 2.30GHz | | | | 22.576 | \$1,365.99 |
| | Intel Xeon E5-2696 v3 @ 2.30GHz | | | | 22.480 | \$2,498.00* |
| | Intel Xeon E5-2697A v4 @ 2.60GHz | | | | 22.462 | NA |
| | Intel Xeon E5-2699 v3 @ 2.30GHz | | | | 22.375 | \$2,509.00* |
| | AMD Ryzen Threadripper 2920X | | | | 22.196 | \$398.50 |
| | AMD EPYC 7371 | | | | 22.071 | NA |
| | AMD Ryzen Threadripper 1950X | | | | 21.922 | \$489.99* |
| | Intel Core i9-7900X @ 3.30GHz | | | | 21.879 | \$999.99 |
| | Intel Xeon W-2155 @ 3.30GHz | | | | 21.872 | \$1,530.39* |
| | Intel Xeon E5-2698 v4 @ 2.20GHz | | | | 21.836 | \$3,629.59* |
| | Intel Core i9-9820X @ 3.30GHz | | | | 21.687 | \$809.99 |
| | AMD Ryzen Threadripper 2970WX | | | | 21.658 | \$916.99 |
| | Intel Xeon W-2150B @ 3.00GHz | | | | 21.543 | NA |
| | Intel Xeon E5-2697 v4 @ 2.30GHz | | | | 21.506 | \$3,054.99* |
| | AMD Ryzen 5 PRO 3600 | | | | 21.482 | NA |
| | Intel Xeon E5-2673 v4 @ 2.30GHz | | | | 21.458 | NA |
| | Intel Xeon E5-2697 v3 @ 2.60GHz | | | | 21.412 | \$446.50 |
| | Intel Xeon E5-2696 v4 @ 2.20GHz | | | | 21.226 | \$3,009.95* |
| | Intel Xeon E5-2690 v4 @ 2.60GHz | | | | 21.167 | \$2,169.99* |
| | Intel Xeon Gold 6136 @ 3.00GHz | | | | 21.061 | \$2,613.59* |
| | Intel Xeon E5-2698 v3 @ 2.30GHz | | | | 21.042 | \$739.00 |
| | AMD EPYC 7571 | | | | 20.858 | NA |
| | Intel Core i9-9900KF @ 3.60GHz | | | | 20.580 | \$479.99 |
| | AMD Ryzen 5 3600X | | | | 20.493 | \$234.39 |
| | Intel Core i7-7900X @ 3.30GHz | | | | 20.474 | NA |
| | Intel Xeon E5-2682 v4 @ 2.50GHz | | | | 20.420 | NA |
| | Intel Xeon E5-2695 v4 @ 2.10GHz | | | | 20.258 | \$1,809.00* |
| | AMD EPYC 7401P | | | | 20.221 | \$860.78 |
| | Intel Core i9-9900K @ 3.60GHz | | | | 20.201 | \$489.99 |
| | AMD Ryzen Threadripper 1920X | | | | 19.975 | \$209.99 |

| CPU Benchmarks | Video | Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|-------|--|-----------------------|-----|------------|------------------------|-----------------------------|
| | | AMD Ryzen 5 3600 | | | | 19.923 | \$204.59 |
| | | Intel Xeon E5-2680 v4 @ 2.40GHz | | | | 19.886 | \$1,509.00* |
| | | Intel Xeon E5-2687W v4 @ 3.00GHz | | | | 19.863 | \$2,174.99* |
| | | Intel Xeon E5-2686 v4 @ 2.30GHz | | | | 19.801 | NA |
| | | Intel Xeon W-2145 @ 3.70GHz | | | | 19.773 | \$1,199.87 |
| | | Intel Xeon E-2288G @ 3.70GHz | | | | 19.761 | NA |
| | | Intel Xeon E5-2689 v4 @ 3.10GHz | | | | 19.744 | NA |
| | | Intel Xeon Gold 6126 @ 2.60GHz | | | | 19.711 | \$1,890.00* |
| | | Intel Xeon E5-2695 v3 @ 2.30GHz | | | | 19.710 | \$489.99 |
| | | Intel Core i7-9800X @ 3.80GHz | | | | 19.679 | \$599.99 |
| | | Intel Xeon Gold 6144 @ 3.50GHz | | | | 19.667 | \$2,925.00* |
| | | Intel Xeon Gold 6130 @ 2.10GHz | | | | 19.643 | \$1,937.79 |
| | | Intel Xeon E5-4669 v3 @ 2.10GHz | | | | 19.615 | \$5,400.00* |
| | | Intel Xeon D-2183IT @ 2.20GHz | | | | 19.381 | \$1,764.00* |
| | | Intel Xeon E5-2686 v3 @ 2.00GHz | | | | 19.255 | NA |
| | | Intel Xeon E5-2690 v3 @ 2.60GHz | | | | 19.249 | \$245.00 |
| | | AMD Ryzen Threadripper 2990X | | | | 19.227 | NA |
| | | Intel Xeon E5-2683 v4 @ 2.10GHz | | | | 19.047 | \$2,208.93* |
| | | AMD EPYC 7501 | | | | 18.942 | \$2,060.86 |
| | | Intel Xeon W-2140B @ 3.20GHz | | | | 18.610 | NA |
| | | Intel Core i7-7820X @ 3.60GHz | | | | 18.523 | \$599.99 |
| | | AMD EPYC 7551 | | | | 18.483 | \$1,432.68 |
| | | Intel Xeon E5-2680 v3 @ 2.50GHz | | | | 18.465 | \$299.00 |
| | | Intel Xeon E-2286M @ 2.40GHz | | | | 18.446 | \$623.00* |
| | | AMD EPYC 7551P | | | | 18.406 | \$1,222.63 |
| | | Intel Xeon Gold 5120 @ 2.20GHz | | | | 18.253 | \$1,561.00* |
| | | Intel Xeon E5-1681 v3 @ 2.90GHz | | | | 18.238 | NA |
| | | Intel Core i9-9900 @ 3.10GHz | | | | 18.190 | \$439.99 |
| | | Intel Xeon Gold 5120T @ 2.20GHz | | | | 18.145 | \$1,727.00* |
| | | Intel Xeon Gold 6134 @ 3.20GHz | | | | 18.083 | \$2,150.00 |
| | | AMD EPYC 7351 | | | | 18.081 | \$630.98 |
| | | Intel Xeon E5-2687W v3 @ 3.10GHz | | | | 17.795 | \$589.99 |
| | | Intel Xeon Silver 4214 @ 2.20GHz | | | | 17.722 | \$801.03 |
| | | Intel Core i9-9980HK @ 2.40GHz | | | | 17.721 | \$583.00* |
| | | Intel Xeon E5-2676 v3 @ 2.40GHz | | | | 17.670 | NA |
| | | Intel Core i7-6900K @ 3.20GHz | | | | 17.607 | \$794.46 |
| | | Intel Xeon Silver 4216 @ 2.10GHz | | | | 17.469 | \$1,008.63 |
| | | Intel Xeon E5-2683 v3 @ 2.00GHz | | | | 17.373 | \$509.99* |
| | | Intel Core i7-9700KF @ 3.60GHz | | | | 17.287 | \$349.99* |
| | | Intel Xeon E5-2658 v4 @ 2.30GHz | | | | 17.275 | NA |
| | | Intel Xeon E5-2697 v2 @ 2.70GHz | | | | 17.202 | \$379.62 |
| | | Intel Core i7-9700K @ 3.60GHz | | | | 17.197 | \$364.99 |
| | | AMD Ryzen 7 PRO 2700X | | | | 17.161 | NA |
| | | Intel Xeon E5-2678 v3 @ 2.50GHz | | | | 17.078 | NA |
| | | Intel Xeon E5-1680 v4 @ 3.40GHz | | | | 17.063 | NA |
| | | AMD Ryzen 7 2700X | | | | 16.979 | \$194.99 |
| | | Intel Xeon E5-2660 v4 @ 2.00GHz | | | | 16.880 | \$1,499.99* |
| | | Intel Core i9-9880H @ 2.30GHz | | | | 16.770 | \$556.00* |
| | | Intel Xeon E-2246G @ 3.60GHz | | | | 16.714 | \$311.00* |

| CPU Benchmarks | Video | Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|-------|--|-----------------------|-----|------------|------------------------|-----------------------------|
| | | Intel Xeon Gold 5117 @ 2.00GHz | | | | 16.672 | NA |
| | | Intel Xeon E5-2670 v3 @ 2.30GHz | | | | 16.647 | \$170.00 |
| | | Intel Xeon E5-2667 v4 @ 3.20GHz | | | | 16.631 | \$1,949.03* |
| | | Intel Xeon E5-2696 v2 @ 2.50GHz | | | | 16.620 | NA |
| | | Intel Core i7-9700F @ 3.00GHz | | | | 16.555 | \$389.00 |
| | | Intel Xeon E5-1680 v3 @ 3.20GHz | | | | 16.442 | NA |
| | | Intel Xeon E5-2690 v2 @ 3.00GHz | | | | 16.406 | \$272.58 |
| | | Intel Xeon E5-2673 v3 @ 2.40GHz | | | | 16.401 | \$700.00* |
| | | Intel Xeon Gold 5118 @ 2.30GHz | | | | 16.389 | \$1,049.36 |
| | | Intel Xeon E5-2687W v2 @ 3.40GHz | | | | 16.381 | \$359.90 |
| | | Intel Xeon E5-1680 v2 @ 3.00GHz | | | | 16.323 | NA |
| | | Intel Xeon E5-2673 v2 @ 3.30GHz | | | | 16.320 | NA |
| | | Intel Xeon E5-2658 v3 @ 2.20GHz | | | | 16.298 | NA |
| | | Intel Xeon W-2135 @ 3.70GHz | | | | 16.292 | \$900.15* |
| | | Intel Xeon E5-2660 v3 @ 2.60GHz | | | | 16.213 | \$498.30* |
| | | Intel Xeon E5-1660 v4 @ 3.20GHz | | | | 16.203 | \$1,229.52* |
| | | Intel Xeon E5-2667 v3 @ 3.20GHz | | | | 16.176 | \$398.14 |
| | | Intel Xeon E5-2667 v2 @ 3.30GHz | | | | 16.158 | \$359.99 |
| | | AMD Ryzen Threadripper 1900X | | | | 16.127 | \$209.99 |
| | | Intel Xeon E5-2692 v2 @ 2.20GHz | | | | 16.018 | NA |
| | | Intel Xeon E-2186G @ 3.80GHz | | | | 16.017 | \$524.99* |
| | | Intel Core i7-5960X @ 3.00GHz | | | | 15.994 | \$1,042.93 |
| | | Intel Xeon E5-2695 v2 @ 2.40GHz | | | | 15.993 | \$258.99 |
| | | Intel Xeon Silver 4210 @ 2.20GHz | | | | 15.974 | \$547.30 |
| | | Intel Core i7-8700K @ 3.70GHz | | | | 15.929 | \$354.99 |
| | | Intel Xeon E5-4657L v2 @ 2.40GHz | | | | 15.896 | \$1,399.00* |
| | | Intel Xeon E5-2680 v2 @ 2.80GHz | | | | 15.890 | \$219.99 |
| | | Intel Xeon E5-2650 v4 @ 2.20GHz | | | | 15.867 | \$1,384.69 |
| | | Intel Xeon E5-4660 v3 @ 2.10GHz | | | | 15.849 | \$4,800.00* |
| | | Intel Xeon E-2136 @ 3.30GHz | | | | 15.773 | \$324.46* |
| | | Intel Core i7-9700 @ 3.00GHz | | | | 15.669 | \$349.99 |
| | | Intel Xeon E-2146G @ 3.50GHz | | | | 15.620 | \$354.99* |
| | | Intel Xeon E-2176G @ 3.70GHz | | | | 15.583 | \$555.99* |
| | | AMD Ryzen 7 1800X | | | | 15.536 | \$289.99 |
| | | Intel Xeon E5-4627 v4 @ 2.60GHz | | | | 15.516 | \$2,225.00* |
| | | Intel Xeon Silver 4116 @ 2.10GHz | | | | 15.509 | \$943.13* |
| | | Intel Xeon E5-2640 v4 @ 2.40GHz | | | | 15.420 | \$920.27* |
| | | AMD Ryzen 7 PRO 2700 | | | | 15.406 | NA |
| | | AMD Ryzen 7 PRO 1700X | | | | 15.324 | NA |
| | | Intel Xeon Silver 4215 @ 2.50GHz | | | | 15.200 | \$749.00* |
| | | Intel Xeon Silver 4123 @ 3.00GHz | | | | 15.185 | NA |
| | | Intel Core i7-8700 @ 3.20GHz | | | | 15.145 | \$369.00 |
| | | Intel Xeon E5-2675 v3 @ 1.80GHz | | | | 15.137 | NA |
| | | AMD Ryzen 7 2700 | | | | 15.080 | \$169.99 |
| | | Intel Xeon E5-2670 v2 @ 2.50GHz | | | | 15.021 | \$254.23 |
| | | Intel Xeon E5-2685 v3 @ 2.60GHz | | | | 15.004 | NA |
| | | AMD EPYC 7301 | | | | 14.978 | \$679.41 |
| | | Intel Xeon Gold 6128 @ 3.40GHz | | | | 14.941 | \$1,759.75* |
| | | AMD EPYC 7351P | | | | 14.887 | \$716.73 |

Videocard Benchmarks

Over 1,000,000 Video Cards Benchmarked

High End Video Card Chart

This chart made up of thousands of [PerformanceTest](#) benchmark results and is updated daily with new graphics card benchmarks. This high end chart contains high performance video cards typically found in premium gaming PCs. Recently introduced AMD video cards (such as the AMD Radeon RX Series) and nVidia graphics cards (such as the nVidia GeForce RTX/GTX) using the PCI-E 3.0 standard are common in our high end video card charts.




| | G3D Mark | Price Performance |
|--|------------------------|---------------------------|
| PassMark - G3D Mark | | |
| High End Videocards | | |
| Videocard | Average G3D Mark | Price (USD) |
| TITAN V CEO Edition | 16.988 | NA |
| GeForce RTX 2080 Ti | 16.732 | 1,049.00 |
| TITAN RTX | 16.516 | 2,499.99 |
| GeForce RTX 2080 SUPER | 15.846 | 699.99 |
| GeForce RTX 2080 | 15.529 | 629.99 |
| TITAN Xp COLLECTORS EDITION | 15.112 | NA |
| Quadro RTX 6000 | 14.996 | 6,300.00* |
| GeForce RTX 2070 SUPER | 14.812 | 499.99 |
| Quadro RTX 5000 with Max-Q Design | 14.700 | NA |
| TITAN V | 14.490 | 3,199.00 |
| NVIDIA TITAN Xp | 14.275 | 1,299.99 |
| GeForce GTX 1080 Ti | 14.243 | 809.99* |
| Radeon VII | 14.148 | 849.99 |
| GeForce RTX 2070 | 14.094 | 469.99 |
| GeForce RTX 2060 SUPER | 13.869 | 399.99 |
| Radeon RX 5700 XT | 13.681 | 399.99 |
| NVIDIA TITAN X | 13.665 | 1,200.00* |
| GeForce RTX 2080 (Mobile) | 13.657 | NA |
| Radeon RX 5700 XT 50th Anniversary | 13.611 | NA |
| Quadro P6000 | 13.452 | 3,548.00 |
| Quadro RTX 4000 | 13.360 | 899.00* |
| GeForce RTX 2060 | 12.884 | 339.99 |

- VIDEO CARD
- High End
 - High Mid Range
 - Low Mid Range
 - Low End
- Best Value
- Common
- Market Share (30 Days)
- Compare ⁰
- Video Card Mega List
- Search Model
- GPU Compute Video Card Chart

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CPU Benchmarks

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| | Video | Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|------------------------------------|-------|-----------------|-----------------------|-----|------------|---------|--------------|
| Quadro RTX 5000 (Mobile) | | | | | | 12.878 | NA |
| Quadro RTX 5000 | | | | | | 12.838 | NA |
| Quadro GP100 | | | | | | 12.743 | NA |
| Quadro GV100 | | | | | | 12.699 | NA |
| GeForce RTX 2080 with Max-Q Design | | | | | | 12.600 | NA |
| GeForce GTX 1080 | | | | | | 12.466 | 619.26 |
| GeForce GTX 1070 Ti | | | | | | 12.330 | 549.97 |
| Radeon RX 5700 | | | | | | 12.232 | 329.99 |
| Radeon RX Vega 64 | | | | | | 12.125 | 499.99 |
| Radeon RX Vega 56 | | | | | | 12.028 | 299.99 |
| Radeon Pro Vega 56 | | | | | | 11.950 | NA |
| Radeon Pro Vega 48 | | | | | | 11.796 | NA |
| GeForce GTX 1660 Ti | | | | | | 11.584 | 274.99 |
| Radeon Pro Vega 64 | | | | | | 11.456 | NA |
| GeForce GTX 980 Ti | | | | | | 11.416 | 487.48* |
| GeForce RTX 2070 (Mobile) | | | | | | 11.414 | NA |
| GeForce GTX 1070 | | | | | | 11.372 | 404.99* |
| GeForce RTX 2070 with Max-Q Design | | | | | | 11.353 | NA |
| Radeon Vega Frontier Edition | | | | | | 11.151 | 599.99* |
| Radeon PRO WX 8200 | | | | | | 11.124 | 989.99 |
| Quadro RTX 8000 | | | | | | 10.980 | 9.999.00* |
| GeForce GTX 1660 | | | | | | 10.732 | 219.99 |
| GeForce RTX 2060 (Mobile) | | | | | | 10.714 | NA |
| GeForce GTX TITAN X | | | | | | 10.694 | 1.999.99* |
| Radeon Pro WX 9100 | | | | | | 10.672 | NA |
| Radeon Pro SSG | | | | | | 10.498 | NA |
| Quadro P4000 | | | | | | 10.452 | 739.29 |
| Quadro P4200 with Max-Q Design | | | | | | 10.343 | NA |
| GeForce GTX 1080 with Max-Q Design | | | | | | 10.229 | NA |
| Quadro P4200 | | | | | | 10.166 | NA |
| Quadro RTX 3000 | | | | | | 10.115 | NA |
| Quadro P5000 | | | | | | 10.075 | 1.365.00 |
| Quadro M6000 24GB | | | | | | 10.057 | NA |
| GeForce GTX 1660 Ti (Mobile) | | | | | | 9.844 | NA |
| GeForce GTX 980 | | | | | | 9.673 | 525.47 |
| Quadro P2200 | | | | | | 9.664 | 479.84* |
| Quadro P5200 | | | | | | 9.511 | NA |
| GeForce GTX 1070 with Max-Q Design | | | | | | 9.490 | NA |
| Radeon Pro Duo | | | | | | 9.434 | 449.00* |
| Radeon RX 590 | | | | | | 9.431 | 194.99 |
| GeForce GTX 1070 (Mobile) | | | | | | 9.416 | NA |
| Quadro M6000 | | | | | | 9.351 | 2.399.00* |
| Quadro P5200 with Max-Q Design | | | | | | 9.323 | NA |
| Radeon R9 Fury | | | | | | 9.198 | 399.99* |
| GeForce GTX 1060 | | | | | | 9.097 | 338.90 |
| Quadro P4000 with Max-Q Design | | | | | | 9.083 | NA |
| GeForce GTX 1060 3GB | | | | | | 8.990 | 170.99 |
| GeForce GTX 780 Ti | | | | | | 8.887 | 807.42* |

| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|---------------------------------------|-----------------------|-----|------------|---------|--------------|
| | | | | | 8.653 | |
| | GeForce GTX 970 | | | | 8.644 | 329.99* |
| | Quadro P3200 with Max-Q Design | | | | 8.636 | NA |
| | Radeon RX 580 2048SP | | | | 8.563 | NA |
| | Radeon RX 580 | | | | 8.538 | 149.95 |
| | Quadro M5000 | | | | 8.518 | 923.00 |
| | Radeon R9 390X | | | | 8.497 | NA |
| | Radeon R9 Fury + Fury X | | | | 8.462 | 399.99* |
| | GeForce GTX 1660 Ti with Max-Q Design | | | | 8.371 | NA |
| | Quadro P3200 | | | | 8.288 | NA |
| | Radeon RX 480 | | | | 8.144 | 360.00 |
| | Radeon R9 390 | | | | 8.105 | NA |
| | GeForce GTX 780 | | | | 7.957 | 740.99* |
| | Radeon Pro WX 7100 | | | | 7.955 | 539.99 |
| | GeForce GTX 1650 | | | | 7.941 | 159.99 |
| | GeForce GTX Titan | | | | 7.941 | 2,054.59* |
| | Quadro M5500 | | | | 7.915 | NA |
| | GeForce GTX 1060 with Max-Q Design | | | | 7.872 | NA |
| | Radeon R9 295X2 | | | | 7.776 | 1,099.99* |
| | Quadro T2000 | | | | 7.769 | NA |
| | Radeon Pro 580 | | | | 7.753 | NA |
| | Radeon RX 470 | | | | 7.732 | 300.95 |
| | GeForce GTX TITAN Z | | | | 7.654 | 3,349.99* |
| | GeForce GTX 1060 (Mobile) | | | | 7.653 | NA |
| | FirePro W8100 Graphic Adapter | | | | 7.570 | NA |
| | Quadro K6000 | | | | 7.495 | 949.00 |
| | Radeon R9 290X / 390X | | | | 7.449 | 688.88* |
| | Quadro P2000 | | | | 7.233 | 397.96 |
| | Tesla P100-PCI-E-16GB | | | | 7.225 | NA |
| | Tesla M60 | | | | 7.192 | 1,999.00* |
| | FirePro W9100 | | | | 7.189 | 2,749.99* |
| | Radeon R9 290 / 390 | | | | 7.148 | 499.00 |
| | GeForce GTX 1650 (Mobile) | | | | 7.106 | NA |
| | Radeon RX Vega M.GH | | | | 7.049 | NA |
| | Radeon RX 570 | | | | 6.905 | 139.99 |
| | GeForce GTX 1060 5GB | | | | 6.684 | NA |
| | Quadro M4000 | | | | 6.664 | 421.99 |
| | Quadro T1000 | | | | 6.495 | NA |
| | Radeon Pro Vega 20 | | | | 6.344 | NA |
| | Radeon Pro 570 | | | | 6.337 | NA |
| | Radeon R9 380X | | | | 6.230 | 445.00 |
| | Radeon R9 380 | | | | 6.151 | 264.99* |
| | Quadro K5200 | | | | 6.095 | 430.00 |
| | FirePro W8100 | | | | 6.086 | 1,112.18* |
| | GeForce GTX 770 | | | | 6.065 | 702.99* |
| | GeForce GTX 1050 Ti | | | | 6.047 | 164.99 |
| | GeForce GTX 1050 Ti (Mobile) | | | | 5.976 | NA |
| | GeForce GTX 980M | | | | 5.954 | NA |
| | GeForce GTX 980 | | | | 5.904 | NA |

| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|---|-----------------------|-----|------------|-----------------------|---------------------------|
| | Quadro P3000 | | | | 5.889 | NA |
| | Radeon R9 280X | | | | 5.850 | NA |
| | GeForce GTX 960 | | | | 5.827 | 268.92* |
| | GeForce GTX 1050 Ti with Max-Q Design | | | | 5.806 | NA |
| | Radeon R9 M395X | | | | 5.782 | NA |
| | Quadro M5000M | | | | 5.694 | 499.95* |
| | GeForce GTX 680 | | | | 5.668 | 579.99* |
| | Radeon Pro WX 5100 | | | | 5.645 | 349.99 |
| | GeForce GTX 1650 with Max-Q Design | | | | 5.620 | NA |
| | FirePro W7100 Adapter | | | | 5.554 | NA |
| | Radeon R9 285 / 380 | | | | 5.550 | 310.00 |
| | Radeon HD 7990 | | | | 5.546 | 991.00 |
| | FirePro W7100 | | | | 5.400 | 289.99* |
| | GeForce GTX 690 | | | | 5.394 | 999.00* |
| | Radeon R9 280 | | | | 5.382 | NA |
| | GeForce GTX 670 | | | | 5.363 | 474.99* |
| | GeForce GTX 760 Ti OEM | | | | 5.344 | NA |
| | Quadro P2000 with Max-Q Design | | | | 5.335 | NA |
| | FirePro W9000 | | | | 5.305 | 3.443.99* |
| | Radeon HD 7970 / R9 280X | | | | 5.248 | 345.00 |
| | GeForce GTX 950 | | | | 5.243 | 169.99* |
| | FirePro S10000 | | | | 5.232 | NA |
| | Radeon RX Vega M GL | | | | 5.230 | NA |
| | Radeon R9 M295X | | | | 5.150 | NA |
| | GeForce GTX 760 Ti | | | | 5.119 | 297.50* |
| | FirePro S9000 | | | | 5.059 | NA |
| | Radeon R9 M395 | | | | 5.022 | NA |
| | GeForce GTX 580 | | | | 5.019 | 289.88* |
| | Radeon HD 8990 | | | | 5.000 | NA |
| | GeForce GTX 760 | | | | 4.939 | 249.99* |
| | Quadro M4000M | | | | 4.896 | NA |
| | Radeon Sky 500 | | | | 4.889 | NA |
| | Radeon HD 7950 / R9 280 | | | | 4.764 | 365.75 |
| | GeForce GTX 1050 | | | | 4.754 | 159.99 |
| | FirePro W8000 Adapter | | | | 4.752 | NA |
| | P106-100 | | | | 4.732 | NA |
| | Radeon R9 370 | | | | 4.722 | NA |
| | Radeon R9 270X | | | | 4.695 | 299.00 |
| | GRID M60-1Q | | | | 4.680 | NA |
| | GeForce GTX 660 Ti | | | | 4.658 | 279.99* |
| | Radeon R7 370 | | | | 4.643 | NA |
| | FirePro W8000 | | | | 4.610 | 1.048.99* |
| | FirePro W7170M | | | | 4.579 | NA |
| | Quadro M3000M | | | | 4.515 | NA |
| | GeForce GTX 1050 (Mobile) | | | | 4.481 | NA |
| | Quadro K4200 | | | | 4.474 | 146.66 |
| | Radeon HD 7870 XT | | | | 4.470 | NA |
| | GRID P6-4Q | | | | 4.429 | NA |
| | GeForce GTX 570 | | | | 4.417 | 99.99* |

| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|--|-----------------------|-----|------------|-----------------------|---------------------------|
| | Quadro P1000 | | | | 4.415 | 295.00 |
| | GRID K520 | | | | 4.384 | NA |
| | Radeon HD 7870 | | | | 4.383 | 299.00 |
| | GeForce GTX 480 | | | | 4.360 | 71.99* |
| | Radeon R9 M390X | | | | 4.357 | NA |
| | FirePro W7000 | | | | 4.339 | 569.99* |
| | Radeon RX 460 | | | | 4.334 | 74.95 |
| | Radeon RX 560 | | | | 4.324 | 99.99 |
| | Barco MXRT 7500 | | | | 4.319 | NA |
| | Quadro M2000 | | | | 4.278 | 389.89 |
| | GeForce GTX 680MX | | | | 4.275 | NA |
| | Radeon R9 270 / R7 370 | | | | 4.260 | 145.94 |
| | GeForce GTX 970M | | | | 4.227 | 1,899.00* |
| | GeForce GTX 590 | | | | 4.221 | 184.00* |
| | GeForce GTX 775M | | | | 4.167 | NA |
| | FirePro S7000 | | | | 4.166 | NA |
| | GeForce GTX 660 | | | | 4.130 | 284.99* |
| | FirePro W7000 Adapter | | | | 4.085 | NA |
| | Radeon R9 M290X | | | | 4.069 | NA |
| | Radeon Pro WX 4100 | | | | 4.042 | 249.99 |
| | GeForce GTX 780M | | | | 4.027 | NA |
| | Quadro K5000 | | | | 4.014 | 273.99 |
| | Radeon Pro WX4100 | | | | 3.953 | NA |
| | GeForce GTX 1050 with Max-Q Design | | | | 3.904 | NA |
| | GRID M60-8Q | | | | 3.884 | NA |
| | Radeon HD 8970M | | | | 3.876 | NA |
| | Radeon HD 7850 | | | | 3.848 | 449.59 |
| | Radeon HD 7970M | | | | 3.801 | NA |
| | Quadro P620 | | | | 3.786 | 174.99 |
| | GRID K2 | | | | 3.773 | 1,655.00 |
| | GeForce GTX 750 Ti | | | | 3.766 | 299.01* |
| | GeForce GTX 880M | | | | 3.722 | NA |
| | Quadro M2200 | | | | 3.690 | NA |
| | GeForce GTX 470 | | | | 3.602 | 522.01* |
| | Quadro K2200 | | | | 3.599 | 129.99 |
| | Radeon R9 M470X | | | | 3.563 | NA |
| | GeForce GTX 650 Ti BOOST | | | | 3.539 | NA |
| | Quadro 6000 | | | | 3.529 | 3,500.21 |
| | GeForce GTX 560 Ti | | | | 3.528 | 138.00* |
| | Radeon HD 6970 | | | | 3.524 | 94.99* |
| | Tesla C2050 | | | | 3.515 | 269.99 |
| | FirePro M6100 FireGL V | | | | 3.487 | NA |
| | Radeon Pro 560 | | | | 3.475 | NA |
| | Radeon RX 560X | | | | 3.455 | NA |
| | Radeon Pro 460 | | | | 3.453 | NA |
| | Radeon RX 550 | | | | 3.445 | 84.99 |
| | Tesla C2050 / C2070 | | | | 3.428 | NA |
| | Radeon HD8970M | | | | 3.369 | NA |
| | Tesla C2075 | | | | 3.364 | 595.75 |

| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|---------------------------------------|-----------------------|-----|------------|-----------------------|---------------------------|
| | | | | | 3.346 | |
| | Radeon Pro WX 3100 | | | | 3.338 | NA |
| | GeForce GTX 750 | | | | 3.327 | 150.99* |
| | Radeon R7 360 | | | | 3.317 | 146.65* |
| | Tesla C2070 | | | | 3.275 | NA |
| | GeForce GTX 965M | | | | 3.248 | NA |
| | Radeon HD 6950 | | | | 3.218 | 89.99* |
| | Radeon Pro WX 4150 | | | | 3.209 | NA |
| | Quadro P600 | | | | 3.198 | 169.99* |
| | GRID M60-4Q | | | | 3.189 | NA |
| | Radeon R7 260X | | | | 3.179 | 220.00* |
| | FirePro V7000 Adapter | | | | 3.162 | NA |
| | Radeon Pro 555 | | | | 3.141 | NA |
| | GeForce GTX 560 | | | | 3.119 | 353.59* |
| | Quadro K5100M | | | | 3.114 | 295.99* |
| | Radeon Pro 455 | | | | 3.113 | NA |
| | Radeon R9 M380 | | | | 3.101 | NA |
| | FirePro W5000 | | | | 3.086 | 434.00* |
| | Radeon HD 7790 | | | | 3.084 | 134.99* |
| | Quadro M1200 | | | | 3.058 | NA |
| | Quadro K1200 | | | | 3.048 | 265.08 |
| | Radeon HD 8950 | | | | 3.038 | NA |
| | Radeon R9 360 | | | | 3.032 | 519.00* |
| | FirePro W5100 | | | | 3.020 | 279.13* |
| | Radeon R9 260 | | | | 3.018 | NA |
| | Radeon Pro WX 4130 | | | | 2.984 | NA |
| | FirePro M6100 | | | | 2.980 | NA |
| | GeForce GTX 465 | | | | 2.947 | 263.28* |
| | GRID K260Q | | | | 2.941 | NA |
| | Radeon HD 6990 | | | | 2.933 | 159.99* |
| | Quadro M2000M | | | | 2.930 | 279.95* |
| | FirePro W4300 | | | | 2.909 | 239.99* |
| | Radeon R7 260 | | | | 2.892 | 89.99* |
| | Quadro K4000 | | | | 2.880 | 165.26 |
| | Quadro 5000 | | | | 2.856 | 183.98 |
| | FirePro 3D V9800 | | | | 2.812 | 2,499.00* |
| | Quadro M620 | | | | 2.804 | NA |
| | FirePro V9800 Adapter | | | | 2.762 | NA |
| | FirePro V7900 | | | | 2.739 | 119.99* |
| | Radeon Pro 450 | | | | 2.723 | NA |
| | Quadro K2200M | | | | 2.717 | NA |
| | GeForce GTX 770M | | | | 2.662 | 177.99* |
| | GeForce GTX 650 Ti | | | | 2.660 | 169.99* |
| | GeForce GTX 460 | | | | 2.654 | 89.99* |
| | Quadro K4100M | | | | 2.628 | 379.99* |
| | Quadro K5000M | | | | 2.627 | 389.25* |
| | Radeon HD 5870 | | | | 2.622 | 99.99* |
| | Radeon HD 6870 | | | | 2.615 | 89.99* |
| | Radeon HD 5970 | | | | 2.603 | 329.99* |

| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|-------------------------------------|-----------------------|-----|------------|-----------------------|-------------------------|
| | GeForce GTX 460 v2 | | | | 2,495 | 199.99* |
| | GeForce GTX 870M | | | | 2,466 | NA |
| | GeForce GTX 675MX | | | | 2,456 | NA |
| | FirePro 3D V8800 | | | | 2,438 | 424.99* |
| | Radeon R9 M470 | | | | 2,435 | NA |
| | GeForce GTX 960A | | | | 2,411 | NA |
| | Quadro M1000M | | | | 2,401 | 212.42* |
| | GeForce GTX 485M | | | | 2,401 | NA |
| | GeForce GTX 960M | | | | 2,378 | NA |
| | Radeon RX 550X | | | | 2,368 | NA |
| | GRID K280Q | | | | 2,359 | NA |
| | Radeon RX 540 | | | | 2,340 | NA |
| | Quadro K620 | | | | 2,336 | 154.21 |
| | Radeon HD 6850 | | | | 2,294 | 99.99* |
| | Radeon HD 5850 | | | | 2,281 | 79.99* |
| | GeForce GTX 580M | | | | 2,279 | NA |
| | Radeon RX Vega 11 | | | | 2,277 | NA |
| | GeForce GT 1030 | | | | 2,274 | 84.99 |
| | Radeon HD 6970M | | | | 2,270 | NA |
| | Radeon R7 250X | | | | 2,269 | 260.70 |
| | Radeon Pro WX 2100 | | | | 2,258 | NA |
| | GeForce GTX 460 SE | | | | 2,258 | 159.99* |
| | GeForce GT 645 | | | | 2,251 | NA |
| | Quadro K4000M | | | | 2,240 | 599.99* |
| | Radeon R9 350 | | | | 2,236 | 103.85 |
| | Radeon HD 7770 | | | | 2,223 | 315.59 |
| | GeForce MX150 | | | | 2,222 | NA |
| | Radeon R7 450 | | | | 2,196 | 89.99* |
| | GeForce GTX 745 | | | | 2,195 | NA |
| | GeForce GTX 560 SE | | | | 2,193 | 89.99* |
| | Firepro W5170M | | | | 2,191 | NA |
| | RadeonT R7 450 | | | | 2,185 | NA |
| | GeForce GTX 555 | | | | 2,154 | NA |
| | Radeon TM R9 A360 | | | | 2,148 | NA |
| | GeForce GTX 675M | | | | 2,148 | NA |
| | Intel Iris Pro P580 | | | | 2,146 | NA |
| | GRID K240Q | | | | 2,144 | NA |
| | Intel Iris Plus | | | | 2,118 | NA |
| | Radeon R9 M375X | | | | 2,108 | NA |
| | FirePro M5100 | | | | 2,103 | NA |
| | GeForce MX230 | | | | 2,095 | NA |
| | GeForce GTX 670MX | | | | 2,079 | NA |
| | Quadro K3100M | | | | 2,076 | 399.95 |
| | Radeon R9 M360 | | | | 2,071 | NA |
| | Quadro 5000M | | | | 2,060 | NA |
| | Radeon R7 M465X | | | | 2,057 | NA |
| | Radeon HD 5830 | | | | 2,055 | 159.99* |
| | Quadro 4000 | | | | 2,050 | 158.12 |
| | Radeon HD 6790 | | | | 2,047 | 64.99* |

| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|--|-----------------------|-----|------------|-----------------------|-------------------------|
| | GRID M10-1B | | | | 2.025 | NA |
| | GeForce GTX 570M | | | | 2.024 | NA |
| | Embedded Radeon E9173 | | | | 1.996 | NA |
| | Radeon R7 + R7 350 Dual | | | | 1.982 | NA |
| | Intel Iris Plus 655 | | | | 1.979 | NA |
| | Matrox C680 PCIe x16 | | | | 1.978 | NA |
| | GeForce GTX 860M | | | | 1.965 | NA |
| | GeForce MX130 | | | | 1.964 | NA |
| | Radeon HD 6900M | | | | 1.964 | NA |
| | Radeon R7 + HD 7700 Dual | | | | 1.962 | NA |
| | Radeon HD 7660D + HD 7700 Dual | | | | 1.958 | NA |
| | GeForce GTX 670M | | | | 1.950 | NA |
| | GeForce GTX 470M | | | | 1.950 | NA |
| | Radeon R9 M370X | | | | 1.944 | NA |
| | GeForce GTX 645 | | | | 1.940 | NA |
| | Quadro M600M | | | | 1.932 | 102.99* |
| | GeForce GTX 950M | | | | 1.931 | NA |
| | GeForce GTX 550 Ti | | | | 1.923 | 287.59* |
| | GeForce GTX 765M | | | | 1.890 | NA |
| | Intel Iris Pro 580 | | | | 1.880 | NA |
| | GeForce GTX 650 | | | | 1.836 | 144.81* |
| | FirePro 3D V7800 | | | | 1.835 | 599.99* |
| | Radeon HD 8570D + HD 7700 Dual | | | | 1.835 | NA |
| | Quadro 5010M | | | | 1.833 | 235.95* |
| | MxGPU | | | | 1.826 | NA |
| | Matrox C900 PCIe x16 | | | | 1.812 | NA |
| | Radeon R9 255 | | | | 1.808 | 344.16* |
| | Radeon HD 8870M / R9 M270X / M370X | | | | 1.800 | NA |
| | Radeon R7 FX-9830P RADEON | | | | 1.796 | NA |
| | Quadro 4000M | | | | 1.794 | 91.01* |
| | Radeon HD 8670D + 7700 Dual | | | | 1.789 | NA |
| | Radeon Vega 10 | | | | 1.788 | NA |
| | Radeon RX Vega 8 | | | | 1.764 | NA |
| | Quadro K3000M | | | | 1.758 | 155.00* |
| | Radeon Vega 8 | | | | 1.739 | NA |
| | FirePro M6000 Mobility Pro | | | | 1.734 | NA |
| | Quadro K2000 | | | | 1.722 | 143.99 |
| | Radeon RX Vega 10 | | | | 1.714 | NA |
| | GeForce GTX 950A | | | | 1.713 | NA |
| | Radeon HD 5770 | | | | 1.712 | 115.99* |
| | Radeon HD 7750 | | | | 1.710 | 152.99 |
| | FirePro M4000 Mobility Pro | | | | 1.707 | NA |
| | FirePro W600 | | | | 1.704 | 319.99* |
| | FirePro W4100 Adapter | | | | 1.693 | NA |
| | Quadro P500 | | | | 1.687 | NA |
| | Radeon HD 6770 | | | | 1.685 | 76.99* |
| | FirePro W5130M | | | | 1.684 | NA |
| | Quadro K2000D | | | | 1.676 | 185.00 |
| | Radeon Vega 10 Mobile | | | | 1.655 | NA |

| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone |
|----------------|--|-----------------------|-----|------------|---------|--------------|
| | | | | | 1.654 | |
| | GeForce GTX 850M | | | | 1.647 | NA |
| | Radeon Vega 8 Mobile | | | | 1.641 | NA |
| | Radeon HD 8870M | | | | 1.638 | NA |
| | FirePro M4000 | | | | 1.623 | NA |
| | Ryzen 7 2700U with Radeon Vega | | | | 1.617 | NA |
| | GeForce MX110 | | | | 1.612 | NA |
| | Quadro M520 | | | | 1.606 | NA |
| | FirePro W4100 | | | | 1.603 | 159.99* |
| | GeForce GT 755M | | | | 1.600 | NA |
| | Quadro P520 | | | | 1.584 | NA |
| | Intel Iris 550 | | | | 1.581 | NA |
| | Radeon Vega 6 | | | | 1.578 | 1,799.99 |
| | Radeon E8860 | | | | 1.577 | NA |
| | Radeon 540 | | | | 1.576 | NA |
| | Intel Iris Plus 650 | | | | 1.575 | NA |
| | GeForce GT 740 | | | | 1.569 | 94.99* |
| | GeForce GTS 450 | | | | 1.556 | 64.99* |
| | Intel Iris Pro Graphics 6200 | | | | 1.545 | NA |
| | Radeon HD 8470D + HD 7500 Dual | | | | 1.545 | NA |
| | Radeon HD 4890 | | | | 1.543 | 109.99* |
| | GeForce GTX 560M | | | | 1.542 | NA |
| | FirePro V5900 | | | | 1.531 | 319.99* |
| | Radeon R9 M275X / M375 | | | | 1.517 | NA |
| | GeForce 945M | | | | 1.509 | NA |
| | Radeon HD 7870M | | | | 1.507 | NA |
| | Ryzen 5 2500U with Radeon Vega | | | | 1.503 | NA |
| | FirePro 3D V5800 | | | | 1.487 | 369.99* |
| | Radeon HD 7660D + HD 6670 Dual | | | | 1.485 | NA |
| | Quadro 3000M | | | | 1.462 | 75.99* |
| | Intel HD P630 | | | | 1.462 | NA |
| | Radeon HD 5750 | | | | 1.454 | 69.41* |
| | GeForce GTX 660M | | | | 1.446 | NA |
| | Radeon R5 A10-9630P 4C+6G | | | | 1.437 | NA |
| | GeForce GTX 760M | | | | 1.434 | NA |
| | Radeon HD 7730 | | | | 1.427 | 49.99* |
| | Radeon HD 7560D + 7670 Dual | | | | 1.426 | NA |
| | Radeon R7 430 | | | | 1.419 | 174.99 |
| | Radeon R9 M270X | | | | 1.418 | NA |
| | Radeon R7 M370 | | | | 1.418 | NA |
| | Intel Iris Plus 640 | | | | 1.412 | NA |
| | Radeon R7 250 | | | | 1.406 | 103.89 |
| | GeForce GTX 460M | | | | 1.394 | NA |
| | FirePro W4170M | | | | 1.391 | NA |
| | Radeon HD 4870 | | | | 1.383 | 59.99* |
| | Radeon R7 PRO A12-8870 | | | | 1.376 | NA |
| | Radeon HD 7850M | | | | 1.373 | NA |
| | GeForce 940MX | | | | 1.368 | NA |
| | FirePro M40003 | | | | 1.364 | NA |

| | | | | |
|----------------|-----------------------|--------------------------------|-------|---------|
| CPU Benchmarks | Video Card Benchmarks | Radeon HD 7560D + HD 7700 Dual | 1.347 | NA |
| | | Intel Iris 540 | 1.344 | NA |
| | | FireStream 9270 | 1.341 | NA |
| | | Quadro K2100M | 1.339 | 159.95* |
| | | Radeon R7 PRO A12-9800 | 1.336 | NA |
| | | Radeon R7 PRO A10-8770 | 1.320 | NA |
| | | Radeon HD 6750 | 1.317 | 49.99* |
| | | Quadro 2000 | 1.317 | 349.99 |

* - Last price seen from our affiliates.

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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 processor name will take you to the chart it appears in and will highlight it for you.



Videocards Last Updated: 9th of October 2019

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| Videocard Name | Price ¹ | G3D Mark | Videocard Value ² | G2D Mark | TDP (W) | Power Perf. ⁴ | Test Date ⁵ | Category |
|---|-----------------------------|----------|------------------------------|----------|---------|--------------------------|------------------------|-------------|
| TITAN V CEO Edition | NA | 16987 | NA | 1085 | 250 | 67 | Oct 2018 | Desktop |
| Intel HD P4600 | NA | 604 | NA | 962 | NA | NA | Jul 2013 | Unknown |
| GeForce RTX 2080 Ti | \$1,049.00 | 16732 | 15.95 | 950 | 250 | 66 | Sep 2018 | Desktop |
| Quadro P2200 | \$479.84* | 9664 | 20.14 | 948 | NA | NA | Aug 2019 | Unknown |
| Radeon Pro WX4100 | NA | 3953 | NA | 948 | NA | NA | Dec 2016 | Unknown |
| Radeon Pro 580 | NA | 7753 | NA | 942 | NA | NA | May 2018 | Unknown |
| Matrox C680 PCIe x16 | NA | 1977 | NA | 938 | NA | NA | Nov 2014 | Unknown |
| GeForce RTX 2080 | \$629.99 | 15528 | 24.65 | 935 | 250 | 62 | Sep 2018 | Desktop |
| GeForce GTX 1080 Ti | \$809.99* | 14243 | 17.58 | 933 | 250 | 56 | Mar 2017 | Desktop |
| TITAN Xp COLLECTORS EDITION | NA | 15112 | NA | 931 | 250 | 60 | Dec 2017 | Desktop |
| RadeonT R7 450 | NA | 2184 | NA | 929 | NA | NA | Feb 2017 | Unknown |
| RadeonT R5 430 | NA | 1123 | NA | 920 | NA | NA | Sep 2017 | Unknown |
| GeForce GTX 1080 | \$619.26 | 12466 | 20.13 | 919 | 180 | 69 | May 2016 | Desktop |
| Intel Coffee Lake UHD | NA | 1158 | NA | 917 | NA | NA | Nov 2017 | Unknown |
| TITAN RTX | \$2,499.99 | 16515 | 6.61 | 913 | 280 | 58 | Dec 2018 | Workstation |
| Radeon Pro Vega 48 | NA | 11795 | NA | 912 | NA | NA | Aug 2019 | Unknown |
| NVIDIA TITAN X | \$1,200.00* | 13665 | 11.39 | 911 | 250 | 54 | Aug 2016 | Desktop |
| Quadro K510M | NA | 651 | NA | 904 | 30 | 21 | Dec 2013 | Workstation |
| GeForce GTX 980 Ti | \$487.48* | 11415 | 23.42 | 896 | 250 | 45 | Jun 2015 | Desktop |
| GeForce RTX 2070 | \$469.99 | 14093 | 29.99 | 895 | 175 | 80 | Oct 2018 | Desktop |
| Quadro RTX 4000 | \$899.00* | 13360 | 14.86 | 894 | 160 | 83 | Feb 2019 | Workstation |
| GeForce RTX 2080 SUPER | \$699.99 | 15846 | 22.64 | 892 | 250 | 63 | Jul 2019 | Desktop |
| GeForce GTX 1070 | \$404.99* | 11371 | 28.08 | 883 | 150 | 75 | Jun 2016 | Desktop |

| Videocard Name | Price ¹ | G3D Mark | Videocard Value ² | G2D Mark | TDP (W) | Power Perf. ⁴ | Test Date ⁵ | Category |
|--|-----------------------------|-----------------------|------------------------------|------------|---------|--------------------------|------------------------|-------------|
| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone | | |
| GeForce GTX 1070 Ti | \$549.97 | 12329 | 22.42 | 883 | 180 | 68 | Nov 2017 | Desktop |
| GeForce RTX 2080 (Mobile) | NA | 13656 | NA | 878 | 150 | 91 | Apr 2019 | Mobile |
| TITAN V | \$3,199.00 | 14489 | 4.53 | 877 | 250 | 57 | Dec 2017 | Desktop |
| NVIDIA TITAN Xp | \$1,299.99 | 14275 | 10.98 | 872 | 250 | 57 | Apr 2017 | Desktop |
| GeForce GTX 980 | \$525.47 | 9672 | 18.41 | 861 | 165 | 58 | Sep 2014 | Desktop |
| Quadro P620 | \$174.99 | 3786 | 21.64 | 857 | 40 | 94 | Jun 2018 | Workstation |
| Quadro GP100 | NA | 12742 | NA | 853 | 235 | 54 | Apr 2017 | Workstation |
| Intel UHD P630 | NA | 1274 | NA | 849 | NA | NA | Aug 2018 | Unknown |
| Intel Iris Pro Graphics 6200 | NA | 1545 | NA | 847 | NA | NA | Jul 2015 | Unknown |
| Quadro T1000 | NA | 6495 | NA | 842 | NA | NA | Jul 2019 | Unknown |
| Intel UHD 630 | NA | 1263 | NA | 841 | NA | NA | Oct 2017 | Unknown |
| GeForce GTX 780 Ti | \$807.42* | 8887 | 11.01 | 840 | 250 | 35 | Nov 2013 | Desktop |
| GeForce GTX 970 | \$329.99* | 8644 | 26.20 | 840 | 145 | 59 | Sep 2014 | Desktop |
| Radeon R7 M465X | NA | 2057 | NA | 840 | NA | NA | May 2018 | Unknown |
| GeForce GTX 780 | \$740.99* | 7956 | 10.74 | 839 | 250 | 31 | May 2013 | Desktop |
| Quadro P6000 | \$3,548.00 | 13452 | 3.79 | 839 | 250 | 53 | Oct 2016 | Workstation |
| Quadro P4000 | \$739.29 | 10452 | 14.14 | 836 | 105 | 99 | Mar 2017 | Workstation |
| Quadro RTX 5000 | NA | 12837 | NA | 834 | 230 | 55 | Jan 2019 | Workstation |
| Radeon R7 A265 | NA | 987 | NA | 833 | NA | NA | Jun 2015 | Unknown |
| Radeon R9 M295X | NA | 5150 | NA | 832 | 125 | 41 | Oct 2014 | Mobile |
| GeForce RTX 2060 | \$339.99 | 12884 | 37.90 | 830 | 160 | 80 | Jan 2019 | Desktop |
| Radeon RX Vega M GH | NA | 7048 | NA | 830 | NA | NA | Mar 2018 | Unknown |
| Radeon Pro Vega 20 | NA | 6344 | NA | 829 | NA | NA | Nov 2018 | Unknown |
| GeForce RTX 2070 (Mobile) | NA | 11413 | NA | 826 | 115 | 99 | Apr 2019 | Mobile |
| Radeon Pro Duo | \$449.00* | 9434 | 21.01 | 826 | 350 | 26 | Sep 2016 | Desktop |
| Quadro P2000 | \$397.96 | 7232 | 18.17 | 825 | 75 | 96 | Mar 2017 | Workstation |
| GeForce GTX TITAN X | \$1,999.99* | 10694 | 5.35 | 824 | 250 | 42 | Mar 2015 | Desktop |
| Quadro GV100 | NA | 12699 | NA | 824 | NA | NA | Mar 2018 | Unknown |
| GeForce RTX 2070 with Max-Q Design | NA | 11352 | NA | 822 | 80 | 141 | Feb 2019 | Mobile |
| GeForce RTX 2070 SUPER | \$499.99 | 14811 | 29.62 | 820 | 215 | 68 | Jul 2019 | Desktop |
| Quadro M2000 | \$389.89 | 4278 | 10.97 | 817 | 75 | 57 | May 2016 | Workstation |
| GeForce RTX 2060 (Mobile) | NA | 10713 | NA | 816 | 80 | 133 | Apr 2019 | Mobile |
| GeForce RTX 2080 with Max-Q Design | NA | 12600 | NA | 816 | 90 | 140 | Feb 2019 | Mobile |
| GeForce GTX 1060 | \$338.90 | 9096 | 26.84 | 814 | 120 | 75 | Jul 2016 | Desktop |
| Quadro RTX 6000 | \$6,300.00* | 14996 | 2.38 | 813 | 295 | 50 | Nov 2018 | Workstation |
| Quadro M4000 | \$421.99 | 6664 | 15.79 | 812 | 120 | 55 | Oct 2015 | Workstation |
| Radeon R9 M395X | NA | 5782 | NA | 812 | 125 | 46 | Oct 2015 | Mobile |
| Intel HD P4600/P4700 | NA | 673 | NA | 811 | NA | NA | Jul 2013 | Unknown |
| Quadro K5100M | \$295.99* | 3113 | 10.52 | 809 | 100 | 31 | Jan 2014 | Workstation |
| GeForce GTX 775M | NA | 4166 | NA | 808 | NA | NA | Nov 2013 | Unknown |
| GeForce GT 635 | NA | 913 | NA | 807 | NA | NA | Oct 2013 | Unknown |
| Quadro P600 | \$169.99* | 3198 | 18.81 | 807 | 40 | 79 | Apr 2017 | Workstation |
| Radeon VII | \$849.99 | 14147 | 16.64 | 807 | 300 | 47 | Feb 2019 | Desktop |
| Radeon HD 8970M | NA | 3876 | NA | 806 | 100 | 38 | Apr 2014 | Mobile |
| Quadro P1000 | \$295.00 | 4415 | 14.97 | 805 | 47 | 93 | Apr 2017 | Workstation |
| Radeon Pro WX 7100 | \$539.99 | 7954 | 14.73 | 805 | 130 | 61 | Nov 2016 | Workstation |
| GeForce GTX 770 | \$702.99* | 6064 | 8.63 | 803 | 230 | 26 | Jun 2013 | Desktop |
| GeForce GTX Titan | \$2,054.59* | 7941 | 3.87 | 803 | 250 | 31 | Feb 2013 | Desktop |
| GeForce GTX TITAN Black | \$1,399.99* | 8653 | 6.18 | 803 | 250 | 34 | Mar 2014 | Desktop |
| GeForce GTX 760 Ti | \$297.50* | 5118 | 17.21 | 802 | 170 | 30 | Jan 2014 | Desktop |
| FirePro M5100 | NA | 2102 | NA | 800 | NA | NA | Feb 2014 | Workstation |

| Videocard Name | Price ¹ | G3D Mark | Videocard Value ² | G2D Mark | TDP (W) | Power Perf. ⁴ | Test Date ⁵ | Category |
|--|-----------------------------|-----------------------|------------------------------|------------|---------|--------------------------|------------------------|---------------------|
| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone | | |
| Intel HD 630 | NA | 1129 | NA | 800 | NA | NA | Jul 2016 | Unknown |
| Radeon TM R9 A360 | NA | 2148 | NA | 800 | NA | NA | Apr 2016 | Unknown |
| Radeon RX 550X | NA | 2367 | NA | 799 | 50 | 47 | Apr 2019 | Desktop |
| Radeon R9 350 | \$103.85 | 2235 | 21.53 | 798 | 60 | 37 | Oct 2016 | Desktop |
| Radeon R9 Fury | \$399.99* | 9198 | 23.00 | 798 | NA | NA | Jul 2015 | Unknown |
| Quadro RTX 3000 | NA | 10114 | NA | 797 | 80 | 126 | Jul 2019 | Mobile, Workstation |
| Quadro P4200 | NA | 10165 | NA | 796 | NA | NA | Jul 2018 | Unknown |
| Quadro P400 | \$116.99 | 1653 | 14.14 | 794 | 30 | 55 | Aug 2017 | Workstation |
| GeForce GTX 1060 3GB | \$170.99 | 8990 | 52.58 | 792 | 120 | 74 | Aug 2016 | Desktop |
| GeForce GTX 1660 Ti | \$274.99 | 11584 | 42.13 | 792 | 120 | 96 | Feb 2019 | Desktop |
| Radeon RX Vega 64 | \$499.99 | 12124 | 24.25 | 792 | 295 | 41 | Sep 2017 | Desktop |
| GeForce GTX 645 | NA | 1940 | NA | 791 | 64 | 30 | May 2013 | Desktop |
| GeForce GTX 1660 Ti (Mobile) | NA | 9843 | NA | 789 | NA | NA | May 2019 | Mobile |
| Radeon Pro WX 4100 | \$249.99 | 4041 | 16.17 | 784 | NA | NA | Mar 2017 | Unknown |
| Radeon R9 390X | NA | 8497 | NA | 783 | 275 | 30 | Apr 2016 | Desktop |
| Radeon Pro WX 9100 | NA | 10671 | NA | 782 | NA | NA | Oct 2017 | Unknown |
| Radeon R5 430 | NA | 1027 | NA | 782 | NA | NA | Aug 2017 | Unknown |
| GeForce GTX 760A | NA | 1281 | NA | 781 | NA | NA | Apr 2015 | Unknown |
| Intel UHD | NA | 1290 | NA | 781 | NA | NA | Jun 2018 | Unknown |
| Quadro P3200 with Max-Q Design | NA | 8636 | NA | 781 | NA | NA | Aug 2018 | Unknown |
| Radeon R9 370 | NA | 4722 | NA | 780 | 150 | 31 | Apr 2016 | Desktop |
| GeForce GTX 680 | \$579.99* | 5667 | 9.77 | 779 | 195 | 29 | Aug 2012 | Desktop |
| Radeon R7 M465 | NA | 1306 | NA | 779 | NA | NA | May 2017 | Unknown |
| Radeon RX 480 | \$360.00 | 8143 | 22.62 | 778 | 150 | 54 | Jun 2016 | Desktop |
| FirePro W4300 | \$239.99* | 2908 | 12.12 | 777 | 50 | 58 | Feb 2016 | Workstation |
| Radeon Vega Frontier Edition | \$599.99* | 11151 | 18.59 | 773 | 350 | 31 | Jun 2017 | Desktop |
| GeForce GT 625 | NA | 438 | NA | 772 | 30 | 14 | Jun 2013 | Desktop |
| Quadro K1200 | \$265.08 | 3047 | 11.50 | 772 | 45 | 67 | Apr 2015 | Workstation |
| Quadro P5200 | NA | 9510 | NA | 772 | NA | NA | Jan 2018 | Mobile |
| GeForce GT 745A | NA | 1179 | NA | 771 | NA | NA | Aug 2013 | Unknown |
| GeForce GTX 670 | \$474.99* | 5363 | 11.29 | 771 | 170 | 31 | Aug 2012 | Desktop |
| GeForce GTX 880M | NA | 3721 | NA | 770 | 130 | 28 | Mar 2014 | Mobile |
| Radeon RX Vega 56 | \$299.99 | 12027 | 40.09 | 770 | 210 | 57 | Sep 2017 | Desktop |
| Radeon HD 7990 | \$991.00 | 5545 | 5.60 | 768 | 375 | 14 | May 2013 | Desktop |
| Radeon HD 8690M | NA | 984 | NA | 768 | NA | NA | Feb 2015 | Unknown |
| Radeon Pro WX 5100 | \$349.99 | 5645 | 16.13 | 768 | 75 | 75 | Dec 2016 | Workstation |
| Intel Iris Plus 650 | NA | 1574 | NA | 767 | NA | NA | Mar 2017 | Mobile |
| Quadro K2200 | \$129.99 | 3599 | 27.69 | 767 | 68 | 52 | Sep 2014 | Workstation |
| Radeon PRO WX 8200 | \$989.99 | 11124 | 11.24 | 767 | NA | NA | Aug 2018 | Unknown |
| GeForce GTX 745 | NA | 2195 | NA | 766 | 55 | 39 | Mar 2014 | Desktop |
| GeForce GTX 780M | NA | 4027 | NA | 766 | 122 | 33 | Jun 2013 | Mobile |
| Quadro K4100M | \$379.99* | 2628 | 6.92 | 766 | 100 | 26 | Dec 2013 | Workstation |
| Quadro P3200 | NA | 8287 | NA | 766 | NA | NA | May 2018 | Unknown |
| GeForce GTX 1660 | \$219.99 | 10731 | 48.78 | 765 | 120 | 89 | Mar 2019 | Desktop |
| Intel Iris Plus 655 | NA | 1979 | NA | 765 | NA | NA | Aug 2018 | Unknown |
| FirePro W4100 | \$159.99* | 1602 | 10.02 | 764 | 50 | 32 | Nov 2014 | Workstation |
| Radeon R9 295X2 | \$1,099.99* | 7776 | 7.07 | 764 | 500 | 15 | May 2014 | Desktop |
| Barco MXRT 7500 | NA | 4319 | NA | 762 | NA | NA | Nov 2015 | Unknown |
| Quadro M6000 24GB | NA | 10057 | NA | 762 | 250 | 40 | Jul 2016 | Workstation |
| Radeon R9 290X / 390X | \$688.88* | 7448 | 10.81 | 762 | 290 | 25 | Oct 2013 | Desktop |
| Matrox C900 PCIe x16 | NA | 1812 | NA | 760 | NA | NA | Sep 2016 | Unknown |

| Videocard Name | Price ¹ | G3D Mark | Videocard Value ² | G2D Mark | TDP (W) | Power Perf. ⁴ | Test Date ⁵ | Category |
|--|-----------------------------|-----------------------|------------------------------|------------|---------|--------------------------|------------------------|-------------|
| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone | | |
| Radeon HD 8490 | NA | 377 | NA | 760 | 35 | 10 | Mar 2014 | Desktop |
| Radeon R9 390 | NA | 8104 | NA | 759 | 275 | 29 | Mar 2016 | Desktop |
| Quadro K620 | \$154.21 | 2336 | 15.15 | 758 | 45 | 51 | Sep 2014 | Workstation |
| Radeon R9 Fury + Fury X | \$399.99* | 8462 | 21.16 | 758 | 275 | 30 | Jul 2015 | Desktop |
| Radeon RX Vega M GL | NA | 5229 | NA | 758 | NA | NA | Feb 2018 | Unknown |
| Radeon R9 M395 | NA | 5022 | NA | 757 | 125 | 40 | Oct 2015 | Mobile |
| Radeon HD 8790M | NA | 1315 | NA | 756 | NA | NA | Dec 2014 | Mobile |
| GeForce GTX 760 | \$249.99* | 4938 | 19.76 | 755 | 170 | 29 | Jun 2013 | Desktop |
| Intel HD 4600 | NA | 713 | NA | 754 | 45 | 15 | Mar 2013 | Desktop |
| Radeon Pro WX 3100 | NA | 3337 | NA | 753 | 50 | 66 | Jul 2017 | Workstation |
| Quadro K3100M | \$399.95 | 2076 | 5.19 | 752 | 75 | 27 | Nov 2013 | Workstation |
| Quadro RTX 8000 | \$9,999.00* | 10980 | 1.10 | 752 | 260 | 42 | Mar 2019 | Workstation |
| GeForce GTX 960 | \$268.92* | 5826 | 21.67 | 751 | 120 | 48 | Jan 2015 | Desktop |
| GeForce GTX 1080 with Max-Q Design | NA | 10228 | NA | 749 | 110 | 92 | Jul 2017 | Mobile |
| GeForce GTX 1650 (Mobile) | NA | 7105 | NA | 749 | 50 | 142 | May 2019 | Mobile |
| GeForce GTX 690 | \$999.00* | 5393 | 5.40 | 749 | 300 | 17 | May 2012 | Desktop |
| Radeon RX 5700 XT | \$399.99 | 13681 | 34.20 | 749 | 225 | 60 | Jul 2019 | Desktop |
| Intel HD 4400 | NA | 569 | NA | 748 | NA | NA | Sep 2013 | Unknown |
| Quadro M5000 | \$923.00 | 8517 | 9.23 | 748 | 150 | 56 | Nov 2015 | Workstation |
| Radeon R9 290 / 390 | \$499.00 | 7148 | 14.33 | 748 | 275 | 25 | Nov 2013 | Desktop |
| Radeon RX 5700 | \$329.99 | 12232 | 37.07 | 748 | 180 | 67 | Jul 2019 | Desktop |
| FirePro W8100 | \$1,112.18* | 6085 | 5.47 | 746 | 220 | 27 | Aug 2014 | Workstation |
| GeForce GTX 1650 with Max-Q Design | NA | 5620 | NA | 746 | 35 | 160 | Jun 2019 | Mobile |
| Intel HD 5600 | NA | 663 | NA | 745 | NA | NA | Mar 2015 | Unknown |
| Intel HD 530 | NA | 1002 | NA | 744 | NA | NA | Aug 2015 | Unknown |
| Quadro K2000D | \$185.00 | 1675 | 9.06 | 744 | 51 | 32 | Apr 2013 | Workstation |
| Radeon R7 A370 | NA | 1281 | NA | 742 | NA | NA | Jun 2016 | Unknown |
| FirePro W7170M | NA | 4578 | NA | 740 | NA | NA | Feb 2016 | Unknown |
| Matrox C420 LP PCIe x16 | NA | 635 | NA | 740 | NA | NA | Apr 2015 | Unknown |
| Quadro P5000 | \$1,365.00 | 10075 | 7.38 | 740 | 180 | 55 | Nov 2016 | Workstation |
| Quadro T2000 | NA | 7768 | NA | 740 | NA | NA | Jul 2019 | Unknown |
| Radeon HD 8850M / R9 M265X | NA | 1139 | NA | 740 | NA | NA | Feb 2016 | Unknown |
| Radeon RX 5700 XT 50th Anniversary | NA | 13611 | NA | 739 | NA | NA | Jul 2019 | Unknown |
| FirePro W9100 | \$2,749.99* | 7189 | 2.61 | 738 | 275 | 26 | Nov 2014 | Workstation |
| Radeon HD 7650A | \$262.00* | 794 | 3.03 | 738 | NA | NA | Aug 2012 | Unknown |
| FirePro W8100 Graphic Adapter | NA | 7570 | NA | 736 | NA | NA | Jan 2017 | Unknown |
| GeForce 830A | NA | 1004 | NA | 735 | NA | NA | Dec 2014 | Unknown |
| GeForce GTX 1650 | \$159.99 | 7941 | 49.64 | 735 | 75 | 105 | Apr 2019 | Desktop |
| GeForce GTX 680MX | NA | 4274 | NA | 735 | 122 | 35 | Jan 2013 | Mobile |
| Radeon R7 450 | \$89.99* | 2195 | 24.40 | 735 | 65 | 33 | Oct 2016 | Desktop |
| Intel 4th Generation Haswell HD | NA | 419 | NA | 734 | NA | NA | Apr 2017 | Unknown |
| P106-100 | NA | 4731 | NA | 734 | NA | NA | Feb 2019 | Unknown |
| Quadro K2200M | NA | 2717 | NA | 734 | NA | NA | Apr 2015 | Unknown |
| Quadro 1100M | NA | 755 | NA | 733 | NA | NA | Feb 2013 | Unknown |
| Radeon RX 580 | \$149.95 | 8537 | 56.94 | 733 | 185 | 46 | Apr 2017 | Desktop |
| GeForce GTX 1050 Ti | \$164.99 | 6047 | 36.65 | 732 | 75 | 80 | Oct 2016 | Desktop |
| GeForce GTX 660 Ti | \$279.99* | 4657 | 16.64 | 732 | 150 | 31 | Aug 2012 | Desktop |
| Radeon RX 590 | \$194.99 | 9430 | 48.37 | 731 | 175 | 53 | Nov 2018 | Desktop |
| FirePro W5000 | \$434.00* | 3086 | 7.11 | 730 | 75 | 41 | Oct 2012 | Workstation |
| Quadro K420 | \$148.00 | 830 | 5.61 | 730 | 41 | 20 | Oct 2014 | Workstation |
| Radeon R7 430 | \$174.99 | 1419 | 8.11 | 730 | NA | NA | May 2017 | Unknown |

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|--|-----------------------------|-----------------------|------------------------------|------------|---------|--------------------------|------------------------|---------------------|
| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone | | |
| Radeon HD 8350 | \$139.99* | 265 | 1.89 | 729 | 4.4 | 60 | Nov 2013 | Desktop |
| GeForce GTX 590 | \$184.00* | 4221 | 22.94 | 728 | 365 | 11 | Mar 2011 | Desktop |
| Quadro K4200 | \$146.66 | 4473 | 30.50 | 728 | 105 | 42 | Sep 2014 | Workstation |
| Quadro M620 | NA | 2804 | NA | 728 | 30 | 93 | Jan 2017 | Mobile, Workstation |
| GeForce GTX 1050 Ti (Mobile) | NA | 5975 | NA | 727 | NA | NA | Apr 2019 | Mobile |
| GeForce GTX 980M | NA | 5954 | NA | 726 | 100 | 59 | Oct 2014 | Mobile |
| Quadro RTX 5000 (Mobile) | NA | 12877 | NA | 725 | 110 | 117 | Jul 2019 | Mobile, Workstation |
| FirePro W7100 | \$289.99* | 5399 | 18.62 | 724 | 150 | 35 | Feb 2015 | Workstation |
| Intel HD P630 | NA | 1461 | NA | 724 | NA | NA | Mar 2017 | Unknown |
| Radeon Pro 560 | NA | 3475 | NA | 723 | NA | NA | Sep 2017 | Unknown |
| Radeon Pro Vega 56 | NA | 11950 | NA | 723 | NA | NA | Mar 2018 | Desktop |
| FirePro W5100 | \$279.13* | 3020 | 10.82 | 722 | 75 | 40 | Nov 2014 | Workstation |
| GeForce GT 645 | NA | 2250 | NA | 721 | NA | NA | Nov 2012 | Unknown |
| GeForce GTX 1070 with Max-Q Design | NA | 9490 | NA | 721 | 90 | 105 | Jul 2017 | Mobile |
| GeForce GTX 1070 (Mobile) | NA | 9416 | NA | 720 | NA | NA | Apr 2019 | Mobile |
| Quadro K2100M | \$159.95* | 1338 | 8.37 | 718 | 55 | 24 | Oct 2013 | Workstation |
| Quadro K600 | \$43.60 | 823 | 18.88 | 718 | 41 | 20 | Mar 2013 | Workstation |
| Quadro P3000 | NA | 5888 | NA | 718 | 75 | 78 | Feb 2017 | Mobile, Workstation |
| Radeon HD 8790M / R9 M290X | NA | 1236 | NA | 717 | NA | NA | Aug 2015 | Unknown |
| GeForce GTX 870M | NA | 2465 | NA | 716 | 110 | 22 | Mar 2014 | Mobile |
| GeForce GTX 770M | \$177.99* | 2661 | 14.95 | 715 | 75 | 35 | Jun 2013 | Mobile |
| GeForce GT 730A | NA | 742 | NA | 714 | NA | NA | Jun 2014 | Unknown |
| GeForce GTX 1060 (Mobile) | NA | 7653 | NA | 713 | NA | NA | Apr 2019 | Mobile |
| GeForce GTX 1060 with Max-Q Design | NA | 7871 | NA | 713 | 80 | 98 | Jun 2017 | Mobile |
| Quadro M3000M | NA | 4514 | NA | 713 | 75 | 60 | Dec 2015 | Mobile, Workstation |
| Radeon HD 8570 | NA | 986 | NA | 713 | 66 | 14 | Aug 2013 | Desktop |
| GeForce GTX 1060 5GB | NA | 6684 | NA | 712 | NA | NA | Apr 2018 | Desktop |
| FirePro M6100 FireGL V | NA | 3487 | NA | 711 | NA | NA | Mar 2017 | Unknown |
| Quadro K610M | \$75.00 | 768 | 10.24 | 711 | 30 | 25 | Aug 2014 | Workstation |
| Radeon Pro WX 4150 | NA | 3208 | NA | 711 | 50 | 64 | Jul 2017 | Mobile |
| GeForce GTX 950 | \$169.99* | 5243 | 30.84 | 710 | 90 | 58 | Aug 2015 | Desktop |
| GeForce GT 720A | NA | 660 | NA | 708 | NA | NA | Oct 2014 | Unknown |
| GeForce GTX 580 | \$289.88* | 5018 | 17.31 | 708 | 244 | 20 | Aug 2012 | Desktop |
| Intel Iris Pro P580 | NA | 2146 | NA | 708 | NA | NA | Sep 2016 | Unknown |
| Radeon Pro Vega 64 | NA | 11455 | NA | 708 | NA | NA | Jan 2018 | Unknown |
| Radeon Pro WX 2100 | NA | 2258 | NA | 708 | NA | NA | Aug 2017 | Unknown |
| Radeon RX 470 | \$300.95 | 7731 | 25.69 | 707 | 120 | 64 | Aug 2016 | Desktop |
| FirePro W600 | \$319.99* | 1703 | 5.32 | 706 | 75 | 22 | Jan 2013 | Workstation |
| Radeon R9 M380 | NA | 3101 | NA | 705 | NA | NA | Oct 2015 | Mobile |
| Radeon Pro 455 | NA | 3112 | NA | 704 | NA | NA | Dec 2018 | Unknown |
| Intel HD P530 | NA | 1060 | NA | 703 | NA | NA | Dec 2015 | Unknown |
| Radeon R9 M390X | NA | 4356 | NA | 703 | 100 | 43 | Jan 2016 | Mobile |
| Radeon HD 7570 | NA | 981 | NA | 702 | 44 | 22 | Aug 2012 | Desktop |
| Radeon HD 7670A | NA | 1050 | NA | 702 | NA | NA | Feb 2012 | Unknown |
| Radeon R9 280X | NA | 5850 | NA | 702 | 250 | 23 | Apr 2016 | Desktop |
| FirePro W2100 | \$113.99* | 902 | 7.92 | 701 | 26 | 34 | Sep 2014 | Workstation |
| GeForce MX230 | NA | 2094 | NA | 700 | NA | NA | Jan 2019 | Unknown |
| FirePro W8000 | \$1,048.99* | 4609 | 4.39 | 699 | 189 | 24 | Feb 2013 | Workstation |
| Quadro P4000 with Max-Q Design | NA | 9082 | NA | 699 | 80 | 113 | Oct 2017 | Mobile |

| Videocard Name | Price ¹ | G3D Mark | Videocard Value ² | G2D Mark | TDP (W) | Power Perf. ⁴ | Test Date ⁵ | Category |
|---|-----------------------------|-----------------------|------------------------------|------------|---------|--------------------------|------------------------|---------------------|
| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone | | |
| Quadro K5200 | \$430.00 | 6094 | 14.17 | 698 | 150 | 40 | Sep 2014 | Workstation |
| Radeon R9 M290X | NA | 4069 | NA | 698 | 100 | 40 | Jul 2014 | Mobile |
| GeForce GTX 660 | \$284.99* | 4129 | 14.49 | 697 | 140 | 29 | Sep 2012 | Desktop |
| GeForce GTX TITAN Z | \$3,349.99* | 7654 | 2.28 | 697 | 375 | 20 | Jun 2014 | Desktop |
| Quadro M5000M | \$499.95* | 5694 | 11.39 | 697 | 100 | 56 | Jan 2016 | Mobile, Workstation |
| Quadro M5500 | NA | 7915 | NA | 697 | 150 | 52 | Mar 2016 | Mobile, Workstation |
| Radeon Pro 570 | NA | 6336 | NA | 697 | NA | NA | May 2019 | Unknown |
| Radeon R9 M470X | NA | 3563 | NA | 695 | 75 | 47 | Sep 2016 | Mobile |
| GeForce GTX 680M | \$499.99* | 3345 | 6.69 | 693 | 100 | 33 | Jul 2012 | Mobile |
| Intel Iris Pro 580 | NA | 1879 | NA | 693 | NA | NA | Apr 2016 | Unknown |
| Radeon HD 7750M | NA | 1191 | NA | 693 | 28 | 42 | Apr 2013 | Mobile |
| FirePro M6100 | NA | 2980 | NA | 692 | NA | NA | Sep 2013 | Workstation |
| FirePro V4900 | \$144.99* | 1301 | 8.98 | 692 | 75 | 17 | May 2012 | Workstation |
| FirePro W7000 | \$569.99* | 4338 | 7.61 | 692 | 150 | 28 | Oct 2012 | Workstation |
| GeForce GTX 765M | NA | 1889 | NA | 691 | 65 | 29 | Jun 2013 | Mobile |
| Quadro M2200 | NA | 3690 | NA | 691 | 55 | 67 | Apr 2017 | Mobile, Workstation |
| Radeon HD 7950 / R9 280 | \$365.75 | 4764 | 13.03 | 691 | 200 | 23 | Jun 2012 | Desktop |
| FirePro W4100 Adapter | NA | 1692 | NA | 690 | NA | NA | Jan 2015 | Unknown |
| GeForce 720A | NA | 724 | NA | 690 | NA | NA | Aug 2018 | Unknown |
| GeForce GTX 1050 with Max-Q Design | NA | 3903 | NA | 690 | NA | NA | Aug 2018 | Mobile |
| GeForce GTX 570 | \$99.99* | 4417 | 44.18 | 690 | 219 | 20 | Aug 2012 | Desktop |
| Quadro M4000M | NA | 4895 | NA | 688 | 100 | 48 | Aug 2015 | Mobile, Workstation |
| Radeon Pro WX 4130 | NA | 2984 | NA | 687 | NA | NA | Aug 2017 | Unknown |
| GeForce 810A | NA | 638 | NA | 686 | NA | NA | Dec 2014 | Unknown |
| Firepro W5170M | NA | 2191 | NA | 685 | NA | NA | Dec 2015 | Mobile, Workstation |
| FirePro W4170M | NA | 1391 | NA | 684 | NA | NA | Apr 2015 | Unknown |
| Quadro K2000 | \$143.99 | 1722 | 11.96 | 684 | 51 | 33 | Mar 2013 | Workstation |
| GeForce GTX 1050 | \$159.99 | 4753 | 29.71 | 683 | 75 | 63 | Oct 2016 | Desktop |
| GeForce GTX 970M | \$1,899.00* | 4226 | 2.23 | 683 | 75 | 56 | Oct 2014 | Mobile |
| Quadro P520 | NA | 1583 | NA | 682 | NA | NA | Aug 2019 | Unknown |
| GeForce MX250 | NA | 2521 | NA | 681 | NA | NA | Apr 2019 | Unknown |
| NVS 510 | \$159.68 | 764 | 4.78 | 681 | 35 | 21 | Oct 2012 | Workstation |
| Quadro P4200 with Max-Q Design | NA | 10343 | NA | 680 | NA | NA | Oct 2018 | Unknown |
| Radeon HD 7470 | NA | 361 | NA | 679 | 27 | 13 | Jun 2012 | Desktop |
| GeForce GTX 1050 (Mobile) | NA | 4481 | NA | 678 | NA | NA | Apr 2019 | Mobile |
| GeForce GTX 1660 Ti with Max-Q Design | NA | 8371 | NA | 678 | NA | NA | May 2019 | Mobile |
| Quadro K1100M | \$114.95 | 1039 | 9.04 | 678 | 45 | 23 | Aug 2013 | Workstation |
| Radeon E8860 | NA | 1577 | NA | 678 | NA | NA | Mar 2015 | Unknown |
| Radeon HD 8870M / R9 M270X / M370X | NA | 1799 | NA | 678 | NA | NA | Aug 2014 | Unknown |
| Radeon Pro 460 | NA | 3452 | NA | 678 | NA | NA | May 2017 | Unknown |
| Radeon R9 280 | NA | 5382 | NA | 678 | 250 | 21 | Apr 2016 | Desktop |
| Radeon R5 420 | NA | 757 | NA | 677 | NA | NA | Oct 2017 | Unknown |
| Intel UHD 610 | NA | 790 | NA | 676 | NA | NA | Mar 2018 | Unknown |
| Radeon R7 M370 | NA | 1417 | NA | 676 | NA | NA | Jan 2016 | Mobile |
| Radeon R9 380 | \$264.99* | 6151 | 23.21 | 676 | 190 | 32 | Mar 2016 | Desktop |
| Radeon R9 380X | \$445.00 | 6229 | 14.00 | 676 | 190 | 32 | Jul 2015 | Desktop |
| GeForce GT 705 | NA | 421 | NA | 675 | 29 | 14 | Sep 2014 | Desktop |
| GeForce GT 755M | NA | 1600 | NA | 675 | 50 | 32 | Sep 2013 | Mobile |

| Videocard Name | Price ¹ | G3D Mark | Videocard Value ² | G2D Mark | TDP (W) | Power Perf. ⁴ | Test Date ⁵ | Category |
|---|-----------------------------|-----------------------|------------------------------|------------|---------|--------------------------|------------------------|-------------|
| CPU Benchmarks | Video Card Benchmarks | Hard Drive Benchmarks | RAM | PC Systems | Android | iOS / iPhone | | |
| GRID M60-4Q | NA | 3188 | NA | 673 | NA | NA | Apr 2016 | Workstation |
| Radeon HD 8990 | NA | 4999 | NA | 673 | 375 | 13 | Nov 2013 | Desktop |
| Quadro P2000 with Max-Q Design | NA | 5335 | NA | 672 | NA | NA | Sep 2018 | Unknown |
| Quadro P5200 with Max-Q Design | NA | 9323 | NA | 669 | NA | NA | Oct 2018 | Unknown |
| Radeon R9 M360 | NA | 2070 | NA | 669 | NA | NA | Apr 2016 | Unknown |
| GeForce GTX 650 Ti BOOST | NA | 3538 | NA | 668 | 134 | 26 | Apr 2013 | Desktop |
| FirePro V7000 Adapter | NA | 3161 | NA | 667 | NA | NA | Oct 2013 | Unknown |
| Tesla M60 | \$1,999.00* | 7191 | 3.60 | 667 | NA | NA | Jun 2017 | Unknown |
| Radeon RX Vega 11 | NA | 2276 | NA | 666 | NA | NA | Feb 2018 | Desktop |
| FirePro W7100 Adapter | NA | 5553 | NA | 665 | NA | NA | Feb 2017 | Unknown |
| GeForce GTX 480 | \$71.99* | 4359 | 60.56 | 664 | 250 | 17 | Aug 2012 | Desktop |
| Radeon HD 7970M | NA | 3800 | NA | 664 | 75 | 50 | Jun 2012 | Mobile |
| FirePro M4170 | NA | 1086 | NA | 663 | NA | NA | Feb 2015 | Unknown |
| Radeon HD8490 | NA | 365 | NA | 663 | NA | NA | Jul 2013 | Unknown |
| Radeon HD8970M | NA | 3368 | NA | 663 | NA | NA | Dec 2014 | Unknown |
| Radeon R9 M370X | NA | 1944 | NA | 662 | 50 | 38 | Aug 2015 | Mobile |
| GeForce 730A | NA | 808 | NA | 661 | NA | NA | Sep 2015 | Unknown |
| Radeon HD 7870 XT | NA | 4469 | NA | 661 | 185 | 24 | May 2013 | Desktop |
| Radeon RX 460 | \$74.95 | 4333 | 57.82 | 661 | 75 | 57 | Aug 2016 | Desktop |
| Quadro K6000 | \$949.00 | 7495 | 7.90 | 660 | 225 | 33 | Oct 2013 | Workstation |
| GeForce GTX 760M | NA | 1433 | NA | 659 | 55 | 26 | Aug 2013 | Mobile |
| Radeon HD 7870 | \$299.00 | 4382 | 14.66 | 659 | 175 | 25 | Jun 2012 | Desktop |
| GeForce GTX 750 Ti | \$299.01* | 3766 | 12.60 | 658 | 60 | 62 | Feb 2014 | Desktop |
| Radeon Pro 555 | NA | 3140 | NA | 658 | NA | NA | Jun 2017 | Unknown |
| Radeon R7 370 | NA | 4643 | NA | 658 | 150 | 30 | Apr 2016 | Desktop |
| GeForce GTX 1050 Ti with Max-Q Design | NA | 5806 | NA | 657 | NA | NA | Apr 2018 | Mobile |
| GeForce GTX 555 | NA | 2154 | NA | 656 | 150 | 14 | Feb 2012 | Desktop |
| Intel HD 610 | NA | 717 | NA | 656 | NA | NA | Jan 2017 | Unknown |
| Radeon R9 270X | \$299.00 | 4695 | 15.70 | 656 | 180 | 26 | Oct 2013 | Desktop |
| GeForce GTX 965M | NA | 3247 | NA | 655 | 60 | 54 | Jan 2015 | Mobile |
| Radeon HD 6970M | NA | 2270 | NA | 655 | 75 | 30 | Mar 2011 | Mobile |
| Radeon R5 240 | \$61.00* | 648 | 10.63 | 655 | 50 | 12 | Sep 2014 | Desktop |
| FirePro V3900 | \$129.99* | 873 | 6.72 | 654 | 50 | 17 | Mar 2012 | Workstation |
| GeForce GTX 560 Ti | \$138.00* | 3528 | 25.57 | 654 | 170 | 20 | Aug 2012 | Desktop |
| Radeon R9 285 / 380 | \$310.00 | 5549 | 17.90 | 654 | 190 | 29 | Jan 2015 | Desktop |
| Intel HD 5200 | NA | 830 | NA | 653 | NA | NA | Apr 2013 | Unknown |
| Quadro M6000 | \$2,399.00* | 9351 | 3.90 | 653 | 250 | 37 | Jan 2015 | Workstation |
| FirePro M40003 | NA | 1364 | NA | 652 | NA | NA | Oct 2012 | Unknown |
| NVS 315 | \$35.99 | 347 | 9.65 | 652 | 19.5 | 17 | Feb 2014 | Workstation |
| Radeon HD 6970 | \$94.99* | 3524 | 37.10 | 651 | 250 | 14 | Aug 2012 | Desktop |
| FirePro W5130M | NA | 1684 | NA | 650 | NA | NA | Mar 2016 | Unknown |
| GeForce GTX 760 Ti OEM | NA | 5343 | NA | 650 | NA | NA | Jul 2019 | Unknown |
| Quadro K4000 | \$165.26 | 2879 | 17.43 | 648 | 80 | 35 | Nov 2012 | Workstation |
| Quadro K5000M | \$389.25* | 2627 | 6.75 | 648 | 100 | 26 | Aug 2012 | Workstation |
| Radeon R7 M460 | NA | 1153 | NA | 648 | NA | NA | Dec 2016 | Unknown |
| FirePro W9000 | \$3,443.99* | 5305 | 1.54 | 647 | 274 | 19 | Nov 2012 | Workstation |
| GeForce GTX 850M | NA | 1646 | NA | 647 | 40 | 41 | May 2014 | Mobile |
| FirePro V7900 | \$119.99* | 2739 | 22.83 | 645 | 150 | 18 | Sep 2011 | Workstation |
| Radeon R9 270 / R7 370 | \$145.94 | 4260 | 29.19 | 645 | 150 | 28 | Dec 2013 | Desktop |
| GeForce GTX 750 | \$150.99* | 3327 | 22.04 | 644 | 55 | 60 | Feb 2014 | Desktop |
| GRID K260Q | NA | 2940 | NA | 644 | NA | NA | Feb 2015 | Workstation |
| GeForce GTX 650M | NA | 2456 | NA | 643 | 100 | 24 | Jan 2013 | Mobile |