CPU 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!

CPUS

High End
High Mid Range
Low Mid Range
Low End

Best Value (On Market)
Best Value XY Scatter
Best Value (All time)

New Desktop
New Laptop

Single Thread
Systems with Multiple CPUs
Overclocked
Power Performance
CPU Mark by Socket Type
Cross-Platform CPU Performance

CPU Mega List
Search Model

Compare 0

CPU Mark | Price Performance

### PassMark - CPU Mark

High End CPUs

Updated 22nd of July 2020

| CPU | CPU Mark | Price (USD) |
|---|---|---|
| AMD Ryzen Threadripper 3990X | 80,076 | $3,599.99 |
| AMD EPYC 7702 | 71,362 | $4,745.00 |
| AMD EPYC 7742 | 67,185 | $6,900.00 |
| AMD EPYC 7702P | 64,395 | $4,783.99 |
| AMD Ryzen Threadripper 3970X | 63,609 | $1,890.00 |
| AMD Ryzen Threadripper 3960X | 55,930 | $1,399.00 |
| AMD EPYC 7452 | 53,478 | $2,287.99 |
| AMD EPYC 7502P | 48,021 | $2,493.99 |
| AMD Ryzen 9 3950X | 39,318 | $689.99 |
| AMD EPYC 7402P | 39,118 | $1,395.94 |
| AMD EPYC 7302P | 38,988 | $934.99 |
| Intel Xeon Gold 6248R @ 3.00GHz | 38,521 | $2,700.00* |
| Intel Xeon W-3275M @ 2.50GHz | 37,104 | $7,453.00* |
| Intel Core i9-10980XE @ 3.00GHz | 33,756 | $979.00* |
| Intel Xeon Platinum 8168 @ 2.70GHz | 33,398 | $5,890.00* |
| AMD Ryzen 9 3900XT | 33,316 | $479.00 |
| AMD Ryzen 9 3900X | 32,867 | $415.00 |
| AMD Ryzen Threadripper 2990WX | 32,072 | $1,406.49 |
| AMD Ryzen 9 PRO 3900 | 31,989 | NA |
| Intel Core i9-9990XE @ 4.00GHz | 31,941 | NA |
| Intel Xeon W-3175X @ 3.10GHz | 31,814 | $3,216.35* |
| Intel Xeon W-2295 @ 3.00GHz | 31,724 | $1,333.00* |
| Intel Core i9-9980XE @ 3.00GHz | 31,395 | $1,198.95 |
| Intel Xeon Gold 6248 @ 2.50GHz | 31,285 | $3,281.99 |

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|---|---|---|
| Intel Core i9-9960X @ 3.10GHz | 30,663 | $1,499.97 |
| AMD Ryzen 9 3900 | 30,636 | NA |
| 2.50GHz | 30,250 | NA |
| Intel Xeon W-3265 @ 2.70GHz | 30,105 | $4,551.37* |
| Intel Xeon Platinum 8268 @ 2.90GHz | 30,103 | $6,005.98* |
| Intel Core i9-7980XE @ 2.60GHz | 29,721 | $1,699.00* |
| Intel Core i9-10940X @ 3.30GHz | 29,437 | $1,107.79 |
| Intel Xeon Gold 6254 @ 3.10GHz | 29,356 | $3,620.00* |
| AMD EPYC 7262 | 28,924 | $653.99 |
| AMD EPYC 7371 | 28,356 | $1,808.99 |
| Intel Core i9-9940X @ 3.30GHz | 27,976 | $795.91 |
| Intel Xeon Gold 6212U @ 2.40GHz | 27,470 | $2,000.00* |
| AMD EPYC 7571 | 27,445 | NA |
| Intel Xeon Platinum 8173M @ 2.00GHz | 27,377 | NA |
| Intel Core i9-7960X @ 2.80GHz | 27,264 | $1,600.00* |
| Intel Xeon Gold 6210U @ 2.50GHz | 27,131 | $2,059.86* |
| AMD Ryzen Threadripper 1950X | 26,847 | $749.00 |
| Intel Xeon Gold 6226R @ 2.90GHz | 26,842 | $1,698.95 |
| Intel Xeon Gold 6208U @ 2.90GHz | 26,677 | $989.00* |
| Intel Xeon Platinum 8175M @ 2.50GHz | 26,659 | NA |
| Intel Core i9-7940X @ 3.10GHz | 26,609 | $1,489.95 |
| AMD Ryzen Threadripper 2970WX | 26,462 | $1,156.40 |
| AMD EPYC 7272 | 26,454 | $708.47 |
| AMD EPYC 7401P | 26,392 | $980.00* |
| Intel Xeon Gold 6154 @ 3.00GHz | 26,298 | $3,659.82* |
| Intel Core i9-10920X @ 3.50GHz | 26,187 | $972.12 |
| AMD EPYC 7551P | 25,933 | $2,026.74 |
| Intel Xeon Gold 5220 @ 2.20GHz | 25,740 | $1,769.95* |
| AMD Ryzen Threadripper 2920X | 25,606 | $494.24 |
| Intel Xeon Platinum 8124M @ 3.00GHz | 25,456 | NA |
| Intel Core i9-9920X @ 3.50GHz | 25,358 | $1,284.02* |
| AMD EPYC 7501 | 24,925 | $3,179.00 |
| Intel Xeon Gold 6138T @ 2.00GHz | 24,800 | $2,742.00* |
| Intel Xeon Gold 6143 @ 2.80GHz | 24,786 | NA |
| Intel Xeon Gold 6246 @ 3.30GHz | 24,446 | $3,315.49* |
| Intel Xeon W-3235 @ 3.30GHz | 24,445 | $1,567.90* |
| AMD EPYC 7551 | 24,320 | $2,906.41 |
| Intel Xeon Gold 6148 @ 2.40GHz | 24,133 | $3,149.00 |
| Intel Xeon Gold 6138 @ 2.00GHz | 24,115 | $2,515.00 |
| Intel Xeon Gold 6242 @ 2.80GHz | 24,046 | $2,635.45* |
| Intel Core i9-10900K @ 3.70GHz | 24,033 | $790.21 |
| Intel Xeon E5-2679 v4 @ 2.50GHz | 23,908 | $2,702.00* |
| Intel Core i9-7920X @ 2.90GHz | 23,671 | $629.87 |
| AMD EPYC 7351 | 23,566 | $1,015.00 |
| Intel Xeon W-2175 @ 2.50GHz | 23,561 | $2,098.36* |
| Intel Xeon W-2195 @ 2.30GHz | 23,487 | $2,695.15 |
| Intel Xeon Gold 6230 @ 2.10GHz | 23,330 | $1,829.00 |

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|---|---|---|
| AMD Ryzen 7 3800X | 23,311 | $329.99 |
| Intel Xeon W-2170B @ 2.50GHz | 23,300 | NA |

## CPU Benchmarks

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|---|---|---|
| 2.10GHz | 23,179 | $8,725.00* |
| Intel Core i9-10900X @ 3.70GHz | 23,119 | $721.00 |
| Intel Xeon Gold 6146 @ 3.20GHz | 23,014 | $4,608.95* |
| Intel Xeon Platinum 8160 @ 2.10GHz | 22,996 | $4,489.00* |
| AMD Ryzen Threadripper 1920X | 22,928 | $329.99 |
| Intel Xeon W-2255 @ 3.70GHz | 22,841 | $778.00* |
| AMD Ryzen 7 3700X | 22,735 | $279.99 |
| Intel Xeon Gold 6140 @ 2.30GHz | 22,733 | $2,863.75 |
| Intel Xeon Gold 6132 @ 2.60GHz | 22,679 | $2,142.00 |
| Intel Xeon Gold 6152 @ 2.10GHz | 22,291 | $3,799.99 |
| Intel Xeon Gold 5218 @ 2.30GHz | 22,117 | $1,195.57 |
| AMD Ryzen 7 PRO 3700 | 22,099 | NA |
| Intel Xeon Gold 6136 @ 3.00GHz | 21,835 | $2,654.82* |
| Intel Core i9-9900X @ 3.50GHz | 21,613 | $619.95 |
| Intel Core i9-7900X @ 3.30GHz | 21,288 | $1,299.00* |
| Intel Xeon W-2155 @ 3.30GHz | 20,887 | $1,530.39* |
| AMD Ryzen Threadripper 2990X | 20,885 | NA |
| Intel Core i9-10900 @ 2.80GHz | 20,864 | $479.99 |
| AMD EPYC 7451 | 20,738 | $2,454.00 |
| Intel Core i9-9820X @ 3.30GHz | 20,702 | $634.99 |
| Intel Xeon E5-2699 v4 @ 2.20GHz | 20,306 | $2,749.00 |
| Intel Xeon W-2150B @ 3.00GHz | 20,236 | NA |
| Intel Core i7-10700KF @ 3.80GHz | 19,857 | $349.00* |
| Intel Xeon Gold 6226 @ 2.70GHz | 19,810 | $1,776.00* |
| AMD Ryzen 9 4900H | 19,772 | NA |
| AMD Ryzen 9 4900HS | 19,729 | NA |
| Intel Core i7-10700K @ 3.80GHz | 19,724 | $409.99 |
| Intel Xeon E5-2682 v4 @ 2.50GHz | 19,634 | NA |
| AMD EPYC 7351P | 19,589 | $1,677.00 |
| Intel Core i9-9900KS @ 4.00GHz | 19,380 | $649.99* |
| Intel Xeon Gold 6137 @ 3.90GHz | 19,365 | NA |
| Intel Core i7-7900X @ 3.30GHz | 19,358 | NA |
| Intel Xeon E5-2699 v3 @ 2.30GHz | 19,349 | $799.00* |
| Intel Xeon E5-2695 v4 @ 2.10GHz | 19,299 | $1,039.00* |
| AMD Ryzen 7 4800H | 19,266 | NA |
| Intel Xeon Gold 6126 @ 2.60GHz | 19,223 | $1,834.95* |
| Intel Xeon W-2245 @ 3.90GHz | 19,153 | $667.00* |
| Intel Xeon E5-2697A v4 @ 2.60GHz | 18,996 | NA |
| AMD Ryzen 5 3600XT | 18,948 | $244.99 |
| Intel Core i9-9900K @ 3.60GHz | 18,892 | $445.95 |
| AMD Ryzen 7 4800HS | 18,852 | NA |
| Intel Core i9-9900KF @ 3.60GHz | 18,791 | $553.12 |
| Intel Xeon E5-2696 v3 @ 2.30GHz | 18,774 | $2,498.00* |
| Intel Xeon E5-2676 v4 @ 2.40GHz | 18,763 | NA |
| Intel Xeon D-2187NT @ 2.00GHz | 18,727 | $1,989.00* |
| Intel Xeon Gold 6144 @ 3.50GHz | 18,656 | $3,181.17* |

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|---|---|---|
| Intel Xeon Gold 6130 @ 2.10GHz | 18,634 | $1,932.10 |
| Intel Xeon Silver 4216 @ 2.10GHz | 18,561 | $944.69 |

## CPU Benchmarks

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|---|---|---|
| Intel Xeon D-2183IT @ 2.20GHz | 18,385 | $1,764.00* |
| Intel Xeon W-2145 @ 3.70GHz | 18,350 | $1,179.37 |
| AMD Ryzen 5 3600X | 18,308 | $217.99 |
| Intel Core i7-9800X @ 3.80GHz | 18,244 | $354.47 |
| AMD Ryzen 5 PRO 3600 | 17,892 | NA |
| AMD Ryzen 5 3600 | 17,824 | $164.49 |
| Intel Xeon E5-2680 v4 @ 2.40GHz | 17,809 | $1,509.00* |
| AMD Ryzen 7 PRO 4750G | 17,693 | $289.00* |
| Intel Xeon E5-2690 v4 @ 2.60GHz | 17,678 | $2,169.99* |
| Intel Xeon E5-2687W v4 @ 3.00GHz | 17,632 | $2,174.99* |
| AMD Ryzen 7 2700X | 17,611 | $236.95 |
| Intel Xeon E5-2696 v4 @ 2.20GHz | 17,605 | $3,298.95 |
| Intel Core i7-7820X @ 3.60GHz | 17,566 | $913.92 |
| Intel Xeon E5-2697 v3 @ 2.60GHz | 17,564 | $798.95 |
| AMD Ryzen 7 4800U | 17,548 | NA |
| Intel Xeon E5-2673 v4 @ 2.30GHz | 17,533 | $1,950.00 |
| Intel Core i7-10700 @ 2.90GHz | 17,526 | $328.89 |
| Intel Xeon E5-2697 v4 @ 2.30GHz | 17,482 | $2,595.00 |
| Intel Xeon E5-2698 v4 @ 2.20GHz | 17,472 | $3,629.59* |
| Intel Core i7-6950X @ 3.00GHz | 17,439 | $965.00 |
| Intel Core i9-10980HK @ 2.40GHz | 17,413 | $583.00* |
| Intel Core i9-9900 @ 3.10GHz | 17,385 | $439.99 |
| Intel Xeon W-2140B @ 3.20GHz | 17,366 | NA |
| Intel Xeon E-2288G @ 3.70GHz | 17,320 | $539.00* |
| Intel Xeon Gold 5120T @ 2.20GHz | 17,213 | $1,727.00* |
| Intel Xeon E-2278GE @ 3.30GHz | 17,210 | $494.00* |
| Intel Core i9-10900T @ 1.90GHz | 17,102 | $439.00* |
| Intel Xeon E-2278G @ 3.40GHz | 17,069 | $494.00* |
| AMD Ryzen 7 PRO 2700X | 17,006 | NA |
| Intel Xeon Gold 5120 @ 2.20GHz | 16,990 | $1,561.00* |
| AMD Ryzen Threadripper 1900X | 16,799 | $194.99 |
| Intel Core i9-10885H @ 2.40GHz | 16,784 | $556.00* |
| Intel Xeon W-10885M @ 2.40GHz | 16,779 | $623.00* |
| Intel Xeon E5-2686 v4 @ 2.30GHz | 16,745 | NA |
| Intel Xeon E5-2689 v4 @ 3.10GHz | 16,706 | NA |
| Intel Xeon E5-2686 v3 @ 2.00GHz | 16,586 | NA |
| Intel Xeon Gold 6134 @ 3.20GHz | 16,478 | $2,267.99 |
| AMD EPYC 7232P | 16,365 | $514.99 |
| AMD Ryzen 7 1800X | 16,280 | $519.94 |
| Intel Xeon E5-2669 v3 @ 2.30GHz | 16,107 | NA |
| Intel Xeon E5-2695 v3 @ 2.30GHz | 16,034 | $1,999.99 |
| Intel Xeon E5-4669 v3 @ 2.10GHz | 16,015 | $5,400.00* |
| AMD Ryzen 7 PRO 4750U | 15,992 | NA |
| Intel Xeon E5-2683 v4 @ 2.10GHz | 15,952 | $499.00* |
| Intel Core i7-10875H @ 2.30GHz | 15,927 | $450.00* |
| Intel Xeon Gold 5117 @ 2.00GHz | 15,816 | NA |
| AMD Ryzen 7 2700 | 15,755 | $269.99 |

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|---|---|---|
| Intel Xeon E5-2690 v3 @ 2.60GHz | 15,700 | $234.00 |
| Intel Xeon E-2286M @ 2.40GHz | 15,660 | $623.00* |

## CPU Benchmarks

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|---|---|---|
| Intel Xeon Gold 5118 @ 2.30GHz | 15,591 | $1,299.00 |
| Intel Core i9-9980HK @ 2.40GHz | 15,584 | $583.00* |
| Intel Xeon Silver 4214 @ 2.20GHz | 15,570 | $740.12 |
| AMD EPYC 7251 | 15,542 | $452.83 |
| Intel Xeon E5-2680 v3 @ 2.50GHz | 15,376 | $396.00 |
| AMD Ryzen 7 PRO 1700X | 15,326 | NA |
| Intel Xeon Silver 4214Y @ 2.20GHz | 15,248 | $768.00* |
| AMD Ryzen 7 PRO 2700 | 15,223 | NA |
| Intel Xeon D-2166NT @ 2.00GHz | 15,105 | $1,005.00* |
| AMD Ryzen 5 4600H | 15,004 | NA |
| AMD EPYC 7301 | 14,991 | $1,583.00 |
| Intel Core i5-10600K @ 4.10GHz | 14,977 | $289.99 |
| Intel Xeon E5-4667 v3 @ 2.00GHz | 14,948 | $5,729.00* |
| Intel Xeon E5-2673 v3 @ 2.40GHz | 14,933 | $700.00* |
| Intel Xeon E5-2699A v4 @ 2.40GHz | 14,917 | $4,938.00* |
| Intel Xeon E5-1681 v3 @ 2.90GHz | 14,820 | NA |
| Intel Xeon Silver 4116 @ 2.10GHz | 14,785 | $1,043.47 |
| AMD Ryzen 5 4600U | 14,720 | NA |
| Intel Core i7-8086K @ 4.00GHz | 14,697 | $791.76 |
| AMD Ryzen 7 2700E | 14,657 | NA |
| Intel Core i7-9700K @ 3.60GHz | 14,651 | $357.00 |
| Intel Core i7-9700KF @ 3.60GHz | 14,609 | $379.99 |
| Intel Xeon W-2135 @ 3.70GHz | 14,601 | $887.22 |
| Intel Xeon E5-2678 v3 @ 2.50GHz | 14,585 | NA |
| AMD Ryzen 7 1700 | 14,526 | $399.99 |
| Intel Xeon E5-1680 v4 @ 3.40GHz | 14,481 | NA |
| Intel Xeon Silver 4210 @ 2.20GHz | 14,459 | $527.83 |
| Intel Xeon E5-2687W v3 @ 3.10GHz | 14,441 | $2,998.95* |
| Intel Xeon Silver 4215 @ 2.50GHz | 14,439 | $612.57* |
| Intel Xeon E5-2676 v3 @ 2.40GHz | 14,407 | NA |
| Intel Xeon Silver 4123 @ 3.00GHz | 14,405 | NA |
| Intel Xeon E-2286G @ 4.00GHz | 14,388 | $450.00* |
| Intel Xeon E5-2660 v4 @ 2.00GHz | 14,342 | $1,429.95 |
| AMD EPYC 3251 | 14,335 | $315.00* |
| Intel Xeon E5-2697 v2 @ 2.70GHz | 14,282 | $1,998.95 |
| Intel Xeon Gold 6128 @ 3.40GHz | 14,273 | $1,719.99 |
| AMD Ryzen 5 4600HS | 14,171 | NA |
| Intel Xeon E5-2658 v4 @ 2.30GHz | 14,168 | NA |
| Intel Core i5-10600 @ 3.30GHz | 14,163 | $280.44 |
| Intel Xeon E5-2683 v3 @ 2.00GHz | 14,142 | $291.37 |
| Intel Xeon E5-2667 v4 @ 3.20GHz | 14,101 | $2,449.95 |
| Intel Xeon E-2246G @ 3.60GHz | 14,088 | $311.00* |
| AMD Ryzen 5 2600X | 14,071 | $179.99 |
| Intel Xeon E5-2696 v2 @ 2.50GHz | 14,068 | NA |
| Intel Core i9-9880H @ 2.30GHz | 14,056 | $556.00* |
| Intel Xeon W-2225 @ 4.10GHz | 14,038 | $444.00* |

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|---|---|---|
| Intel Core i9-10880H @ 2.30GHz | 13,973 | NA |
| AMD Ryzen 7 4700U | 13,970 | NA |

## CPU Benchmarks

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|---|---|---|
| AMD Ryzen 7 PRO 1700 | 13,831 | NA |
| Intel Xeon E5-2670 v3 @ 2.30GHz | 13,785 | $1,005.93 |
| Intel Xeon E-2236 @ 3.40GHz | 13,777 | $289.00* |
| Intel Core i9-9900T @ 2.10GHz | 13,772 | $439.00* |
| Intel Xeon E-2176G @ 3.70GHz | 13,751 | $396.95 |
| Intel Core i7-9700 @ 3.00GHz | 13,726 | $319.99 |
| AMD Ryzen 5 PRO 2600 | 13,662 | NA |
| Intel Xeon E-2136 @ 3.30GHz | 13,564 | $305.62 |
| Intel Xeon E5-1660 v4 @ 3.20GHz | 13,554 | $1,499.00* |
| Intel Xeon E5-2658 v3 @ 2.20GHz | 13,487 | NA |
| Intel Core i5-10500 @ 3.10GHz | 13,480 | $239.99 |
| Intel Xeon E-2186G @ 3.80GHz | 13,436 | $470.64 |
| Intel Xeon E5-2695 v2 @ 2.40GHz | 13,427 | $580.30* |
| Intel Core i7-6900K @ 3.20GHz | 13,402 | $599.99 |
| Intel Xeon E5-2660 v3 @ 2.60GHz | 13,389 | $383.94 |
| AMD Ryzen 5 3500X | 13,383 | NA |
| Intel Xeon E-2146G @ 3.50GHz | 13,324 | $364.35 |
| Intel Xeon E5-2690 v2 @ 3.00GHz | 13,260 | $250.50 |
| AMD Ryzen 5 2600 | 13,220 | $139.70 |
| Intel Xeon E5-4660 v3 @ 2.10GHz | 13,191 | $4,800.00* |
| Intel Xeon D-2143IT @ 2.20GHz | 13,107 | $566.00* |
| Intel Core i7-8700 @ 3.20GHz | 13,106 | $329.84 |
| AMD Ryzen 5 1600X | 13,095 | $199.00 |
| Intel Xeon E5-1680 v3 @ 3.20GHz | 13,048 | $589.99* |
| Intel Xeon E5-2650 v4 @ 2.20GHz | 13,032 | $999.00* |
| Intel Core i5-10400 @ 2.90GHz | 13,002 | $182.00 |
| Intel Xeon E5-4627 v4 @ 2.60GHz | 12,969 | $2,225.00* |
| Intel Xeon E5-2685 v3 @ 2.60GHz | 12,944 | NA |
| Intel Xeon E5-2667 v3 @ 3.20GHz | 12,906 | $772.96 |
| Intel Core i5-10400F @ 2.90GHz | 12,897 | $217.99 |
| AMD Ryzen 3 3300X | 12,871 | $300.00 |
| AMD Ryzen 5 PRO 4650U | 12,868 | NA |
| Intel Xeon Silver 4114 @ 2.20GHz | 12,782 | $721.99 |
| Intel Core i7-10750H @ 2.60GHz | 12,778 | NA |
| AMD Ryzen 5 3500 | 12,773 | NA |
| Intel Core i7-5960X @ 3.00GHz | 12,749 | $951.31* |
| Intel Xeon E5-2640 v4 @ 2.40GHz | 12,707 | $926.54* |
| AMD EPYC 3201 | 12,677 | NA |
| Intel Xeon E5-2680 v2 @ 2.80GHz | 12,563 | $349.95 |
| AMD Ryzen 5 1600 | 12,499 | $154.12 |
| Intel Xeon E5-4657L v2 @ 2.40GHz | 12,495 | $1,399.00* |
| Intel Xeon E5-1660 v3 @ 3.00GHz | 12,481 | $408.95* |
| Intel Core i7-7800X @ 3.50GHz | 12,433 | $689.98 |
| Intel Xeon W-2133 @ 3.60GHz | 12,417 | $617.00* |
| Intel Xeon E5-1680 v2 @ 3.00GHz | 12,365 | NA |
| Intel Xeon E-2276M @ 2.80GHz | 12,346 | $450.00* |

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|---|---|---|
| Intel Xeon E5-2667 v2 @ 3.30GHz | 12,338 | $539.95 |
| Intel Xeon D-2141I @ 2.20GHz | 12,177 | $555.00* |

## CPU Benchmarks

| | | |
|---|---|---|
| Intel Xeon E5-2692 v2 @ 2.20GHz | 12,119 | NA |
| Intel Core i7-9750HF @ 2.60GHz | 12,089 | $395.00* |
| Intel Xeon E5-2650 v3 @ 2.30GHz | 12,080 | $199.99 |
| AMD Ryzen 5 PRO 4500U | 12,049 | NA |
| Intel Xeon E5-2618L v4 @ 2.20GHz | 12,041 | $779.00* |
| Intel Xeon E-2278GEL @ 2.00GHz | 12,024 | $494.00* |
| Intel Xeon E5-2687W v2 @ 3.40GHz | 12,018 | $2,148.16 |
| Intel Xeon E-2276G @ 3.80GHz | 12,010 | $362.00* |
| Intel Core i7-8700B @ 3.20GHz | 11,992 | $303.00* |
| Intel Xeon E5-2675 v3 @ 1.80GHz | 11,960 | NA |
| Intel Xeon E5-2673 v2 @ 3.30GHz | 11,919 | NA |
| Intel Xeon E5-2650L v4 @ 1.70GHz | 11,918 | $529.99* |
| Intel Xeon E5-2650L v3 @ 1.80GHz | 11,904 | $232.22* |
| Intel Xeon E5-2670 v2 @ 2.50GHz | 11,819 | $241.27 |
| Intel Xeon E5-2649 v3 @ 2.30GHz | 11,796 | NA |
| Intel Xeon E5-2663 v3 @ 2.80GHz | 11,739 | NA |
| AMD Ryzen 3 3100 | 11,737 | $99.00 |
| Intel Xeon E5-2630 v4 @ 2.20GHz | 11,694 | $698.99 |
| Intel Xeon E5-2648L v4 @ 1.80GHz | 11,547 | NA |
| Intel Xeon E5-4669 v4 @ 2.20GHz | 11,523 | NA |
| Intel Xeon E5-4627 v3 @ 2.60GHz | 11,507 | $2,400.00* |
| Intel Core i7-9850H @ 2.60GHz | 11,439 | $395.00* |
| Intel Xeon D-2146NT @ 2.30GHz | 11,438 | $641.00* |
| Intel Core i7-9750H @ 2.60GHz | 11,431 | $395.00* |
| Intel Core i7-6850K @ 3.60GHz | 11,392 | $361.76 |
| Intel Xeon E5-1650 v4 @ 3.60GHz | 11,339 | $649.99 |
| Intel Xeon E5-2643 v4 @ 3.40GHz | 11,335 | $2,019.00 |
| Intel Xeon Silver 4208 @ 2.10GHz | 11,263 | $444.50 |
| Intel Core i9-8950HK @ 2.90GHz | 11,212 | $583.00* |
| Intel Xeon E-2126G @ 3.30GHz | 11,206 | $299.99* |
| Intel Xeon E-2186M @ 2.90GHz | 11,170 | $623.00* |
| AMD Ryzen 5 4500U | 11,168 | NA |
| Intel Xeon E5-2628L v4 @ 1.90GHz | 11,079 | $1,364.00* |
| Intel Core i5-9600KF @ 3.70GHz | 10,944 | $194.99* |
| Intel Core i5-9600 @ 3.10GHz | 10,937 | $233.61 |
| Intel Core i5-9600K @ 3.70GHz | 10,894 | $192.99 |
| Intel Core i7-9700T @ 2.00GHz | 10,882 | $323.00* |
| Intel Xeon E5-1660 v2 @ 3.70GHz | 10,872 | $607.99* |
| Intel Xeon E5-2630L v4 @ 1.80GHz | 10,864 | NA |
| Intel Core i7-1068NG7 @ 2.30GHz | 10,839 | $426.00* |
| Intel Xeon E-2226G @ 3.40GHz | 10,830 | $260.00* |
| Intel Core i7-8700T @ 2.40GHz | 10,735 | $429.98 |
| Intel Xeon E5-2640 v3 @ 2.60GHz | 10,724 | $528.99 |
| Intel Xeon E-2176M @ 2.70GHz | 10,687 | $450.00* |

| | | |
|---|---|---|
| Intel Xeon E5-4620 v3 @ 2.00GHz | 10,681 | $1,668.00* |
| Intel Core i7-9700TE @ 1.80GHz | 10,680 | $323.00* |

## CPU Benchmarks

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|---|---|---|
| Intel Xeon E5-2643 v3 @ 3.40GHz | 10,493 | $1,295.00 |
| Intel Core i7-6800K @ 3.40GHz | 10,488 | $473.36 |
| Intel Xeon W-2125 @ 4.00GHz | 10,463 | $474.74 |
| Intel Core i5-9500F @ 3.00GHz | 10,462 | $244.97* |
| Intel Xeon Silver 4110 @ 2.10GHz | 10,453 | $533.99 |
| AMD Ryzen 5 PRO 1600 | 10,401 | NA |
| Intel Xeon E5-1650 v3 @ 3.50GHz | 10,374 | $657.69 |
| Intel Xeon E5-4640 v3 @ 1.90GHz | 10,372 | NA |
| Intel Xeon Gold 5122 @ 3.60GHz | 10,362 | $1,269.99 |
| Intel Xeon E5-2660 v2 @ 2.20GHz | 10,359 | $129.00 |
| Intel Xeon Silver 4109T @ 2.00GHz | 10,348 | $501.00* |
| Intel Core i5-8600K @ 3.60GHz | 10,280 | $233.95 |
| Intel Xeon E5-2658 v2 @ 2.40GHz | 10,280 | $3,979.00* |
| Intel Xeon E-2244G @ 3.80GHz | 10,270 | $272.00* |
| Intel Core i7-8750H @ 2.20GHz | 10,240 | $395.00* |
| Intel Core i7-5930K @ 3.50GHz | 10,194 | $232.70* |
| Intel Xeon E5-2690 @ 2.90GHz | 10,091 | $136.28 |
| Intel Xeon E-2274G @ 4.00GHz | 10,068 | $334.00* |
| Intel Xeon E5-2650 v2 @ 2.60GHz | 10,008 | $159.38 |
| Intel Core i5-8600 @ 3.10GHz | 10,006 | $237.95 |
| Intel Core i7-10710U @ 1.10GHz | 9,965 | $586.81 |
| Intel Xeon E5-2628L v3 @ 2.00GHz | 9,949 | NA |
| Intel Xeon E5-2618L v3 @ 2.30GHz | 9,899 | $1,029.95 |
| Intel Core i7-7740X @ 4.30GHz | 9,888 | $559.00* |
| Intel Core i5-1038NG7 @ 2.00GHz | 9,882 | $320.00* |
| Intel Xeon E5-2689 @ 2.60GHz | 9,857 | NA |
| Intel Core i7-7700K @ 4.20GHz | 9,747 | $406.98 |
| AMD Ryzen 5 PRO 1500 | 9,739 | NA |
| Intel Core i7-4960X @ 3.60GHz | 9,692 | $769.99* |
| Intel Core i7-5820K @ 3.30GHz | 9,689 | $199.99* |
| AMD Ryzen 5 2500X | 9,671 | NA |
| Intel Core i5-8500B @ 3.00GHz | 9,646 | $192.00* |
| Intel Core i5-9400F @ 2.90GHz | 9,636 | $159.99 |
| Intel Core i5-9400 @ 2.90GHz | 9,629 | $154.95 |
| Intel Xeon E5-2630 v3 @ 2.40GHz | 9,620 | $225.00 |
| Intel Xeon E-2144G @ 3.60GHz | 9,597 | $322.10* |
| AMD Ryzen 5 PRO 3400G | 9,583 | NA |
| Intel Xeon E5-4627 v2 @ 3.30GHz | 9,579 | $70.79 |
| Intel Xeon D-1541 @ 2.10GHz | 9,544 | NA |
| Intel Xeon E-2174G @ 3.80GHz | 9,517 | $353.42 |
| Intel Core i7-4930K @ 3.40GHz | 9,516 | $578.98 |
| Intel Core i5-8500 @ 3.00GHz | 9,482 | $215.84 |
| Intel Xeon Gold 5222 @ 3.80GHz | 9,428 | $1,420.93 |
| AMD Ryzen 5 3400G | 9,423 | $148.99 |
| Intel Xeon Silver 4108 @ 1.80GHz | 9,413 | $439.99 |

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|---|---|---|
| Intel Core i5-9600T @ 2.30GHz | 9,406 | $213.00* |
| Intel Core i3-10300 @ 3.70GHz | 9,381 | $169.99 |

## CPU Benchmarks

| | | |
|---|---|---|
| Intel Xeon E3-1285 v6 @ 4.10GHz | 9,276 | $497.31 |
| Intel Core i7-8569U @ 2.80GHz | 9,251 | $431.00* |
| Intel Xeon D-1567 @ 2.10GHz | 9,236 | NA |
| Intel Xeon D-1587 @ 1.70GHz | 9,223 | NA |
| Intel Core i5-9500TE @ 2.20GHz | 9,212 | $192.00* |
| Intel Core i5-8400 @ 2.80GHz | 9,170 | $171.94 |
| AMD Opteron 6348 | 9,151 | $614.98 |
| Intel Core i5-10300H @ 2.50GHz | 9,140 | $250.00* |
| Intel Core i7-9850HL @ 1.90GHz | 9,112 | $395.00* |
| Intel Core i5-8600T @ 2.30GHz | 9,111 | $366.99* |
| Intel Xeon E5-2670 @ 2.60GHz | 9,086 | $192.14 |
| Intel Xeon D-1548 @ 2.00GHz | 9,075 | $555.00* |
| Intel Xeon E5-2470 v2 @ 2.40GHz | 9,066 | $522.99* |
| Intel Xeon E5-2629 v3 @ 2.40GHz | 9,062 | NA |
| Intel Xeon E5-4648 v3 @ 1.70GHz | 9,061 | NA |
| Intel Xeon E3-1280 v6 @ 3.90GHz | 9,058 | $445.28 |
| AMD Ryzen 5 1500X | 9,049 | $549.67 |
| Intel Core i5-9500 @ 3.00GHz | 9,022 | $205.99 |
| Intel Core i3-10100 @ 3.60GHz | 9,012 | $129.99 |
| Intel Core i7-1065G7 @ 1.30GHz | 8,984 | NA |
| Intel Core i7-6700K @ 4.00GHz | 8,981 | $289.99 |
| Intel Xeon E5-1650 v2 @ 3.50GHz | 8,978 | $630.00 |
| Intel Core i5-10400H @ 2.60GHz | 8,939 | $250.00* |
| Intel Core i7-3960X @ 3.30GHz | 8,927 | $799.99* |
| Intel Core i5-3170K @ 3.20GHz | 8,882 | NA |
| Intel Xeon E3-1275 v6 @ 3.80GHz | 8,853 | $349.99 |
| Intel Xeon W-2223 @ 3.60GHz | 8,853 | $324.99* |
| Intel Core i7-8559U @ 2.70GHz | 8,843 | $789.98 |
| Intel Xeon E3-1270 v6 @ 3.80GHz | 8,830 | $339.99 |
| AMD Ryzen 5 2400G | 8,817 | $374.98 |
| Intel Core i7-8809G @ 3.10GHz | 8,763 | NA |
| Intel Xeon E-2134 @ 3.50GHz | 8,744 | $266.55 |
| Intel Xeon E3-1240 v6 @ 3.70GHz | 8,713 | $288.10 |
| Intel Xeon E5-2620 v4 @ 2.10GHz | 8,699 | $352.55 |
| Intel Xeon E3-1535M v6 @ 3.10GHz | 8,691 | $623.00* |
| Intel Xeon E5-2643 v2 @ 3.50GHz | 8,682 | $219.63 |
| Intel Core i7-7700 @ 3.60GHz | 8,622 | $354.84 |
| Intel Core i5-1035G7 @ 1.20GHz | 8,619 | $320.00* |
| Intel Xeon E5-2648L v2 @ 1.90GHz | 8,611 | $1,479.00* |
| Intel Xeon E5-2665 @ 2.40GHz | 8,602 | $118.99 |
| Intel Xeon E5-2651 v2 @ 1.80GHz | 8,598 | NA |
| Intel Xeon W-2123 @ 3.60GHz | 8,594 | $288.00 |
| Intel Core i7-3970X @ 3.50GHz | 8,568 | $689.99* |
| AMD Ryzen 5 3400GE | 8,565 | NA |
| Intel Xeon E5-2648L v3 @ 1.80GHz | 8,535 | $1,560.86* |

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|---|---|---|
| Intel Xeon E5-2687W @ 3.10GHz | 8,489 | $540.07 |
| AMD Ryzen 7 3750H | 8,482 | NA |

## CPU Benchmarks

| | | |
|---|---|---|
| Intel Xeon E5-2637 v4 @ 3.50GHz | 8,402 | $2,198.95 |
| Intel Xeon E5-1660 @ 3.30GHz | 8,400 | $1,350.00 |
| Intel Core i5-8259U @ 2.30GHz | 8,377 | $596.00 |
| AMD Ryzen 5 PRO 2400G | 8,349 | NA |
| Intel Core i5-9400H @ 2.50GHz | 8,337 | $250.00* |
| Intel Core i5-1035G4 @ 1.10GHz | 8,284 | $309.00* |
| Intel Xeon E3-1275 v5 @ 3.60GHz | 8,268 | $360.00* |
| Intel Core i5-9500T @ 2.20GHz | 8,213 | $192.00* |
| Intel Core i5-8257U @ 1.40GHz | 8,191 | $320.00* |
| Intel Xeon E5-4650L @ 2.60GHz | 8,167 | $58.63* |
| Intel Xeon E3-1230 v6 @ 3.50GHz | 8,167 | $269.99 |
| Intel Xeon E3-1240 v5 @ 3.50GHz | 8,157 | $1,001.00 |
| Intel Xeon E5-1650 @ 3.20GHz | 8,139 | $89.00 |
| Intel Core i7-8706G @ 3.10GHz | 8,136 | NA |
| AMD Ryzen 5 3550H | 8,134 | NA |
| AMD Ryzen 5 PRO 3400GE | 8,133 | NA |
| Intel Xeon E3-1245 v5 @ 3.50GHz | 8,130 | $345.31* |
| Intel Xeon E3-1245 v6 @ 3.70GHz | 8,122 | $302.90 |
| Intel Core i7-10810U @ 1.10GHz | 8,119 | $443.00* |
| Intel Core i7-3930K @ 3.20GHz | 8,118 | $499.95* |
| Intel Core i5-8400H @ 2.50GHz | 8,105 | $250.00* |
| Intel Xeon E3-1575M v5 @ 3.00GHz | 8,104 | $1,207.00* |
| Intel Xeon Silver 4112 @ 2.60GHz | 8,082 | $513.99* |
| Intel Xeon E5-4650 @ 2.70GHz | 8,081 | $69.99* |
| AMD Ryzen 5 3550U | 8,080 | NA |
| Intel Xeon E3-1585L v5 @ 3.00GHz | 8,075 | $445.00* |
| Intel Core i5-9300H @ 2.40GHz | 8,072 | $250.00* |
| Intel Core i7-4790K @ 4.00GHz | 8,072 | $283.99 |
| Intel Core i7-6700 @ 3.40GHz | 8,069 | $269.99* |
| AMD Ryzen 5 3580U | 8,065 | NA |
| Intel Core i7-7920HQ @ 3.10GHz | 8,058 | $568.00* |
| Intel Xeon E3-1280 v5 @ 3.70GHz | 8,048 | $395.00* |
| Intel Core i5-8500T @ 2.10GHz | 8,031 | $249.98* |
| Intel Xeon E3-1545M v5 @ 2.90GHz | 8,021 | NA |
| Intel Xeon E5-2660 @ 2.20GHz | 7,999 | $90.00* |
| Intel Xeon E5-2637 v3 @ 3.50GHz | 7,995 | $1,099.00 |
| Intel Xeon E5-2470 @ 2.30GHz | 7,985 | $69.99* |
| Intel Xeon E3-1285L v4 @ 3.40GHz | 7,980 | NA |
| Intel Core i5-1035G1 @ 1.00GHz | 7,973 | $297.00* |
| AMD Ryzen 5 1400 | 7,972 | $317.35 |
| Intel Xeon D-1531 @ 2.20GHz | 7,967 | $348.00* |
| Intel Xeon E5-2620 v3 @ 2.40GHz | 7,956 | $149.99 |
| Intel Xeon E-2124G @ 3.40GHz | 7,948 | $233.80 |
| Intel Xeon E3-1515M v5 @ 2.80GHz | 7,918 | NA |
| Intel Core i5-8279U @ 2.40GHz | 7,917 | $320.00* |

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|---|---|---|
| Intel Core i3-9350KF @ 4.00GHz | 7,912 | $164.99 |

## CPU Benchmarks

| | | |
|---|---|---|
| AMD Ryzen Embedded V1807B | 7,869 | NA |
| Intel Core i5-9400T @ 1.80GHz | 7,863 | $182.00* |
| Intel Core i7-8705G @ 3.10GHz | 7,860 | $1,548.81 |
| AMD Ryzen 3 2300X | 7,850 | $177.18* |
| Intel Core i7-7700T @ 2.90GHz | 7,847 | $385.00* |
| AMD Ryzen 3 4300U | 7,843 | NA |
| Intel Xeon E5-1630 v4 @ 3.70GHz | 7,842 | NA |
| Intel Core i7-8557U @ 1.70GHz | 7,820 | $431.00* |
| Intel Core i7-5775R @ 3.30GHz | 7,819 | NA |
| Intel Core i7-5775C @ 3.30GHz | 7,804 | $686.32* |
| Intel Xeon E3-1260L v5 @ 2.90GHz | 7,800 | $736.16* |
| Intel Core i7-8709G @ 3.10GHz | 7,779 | NA |
| Intel Core i5-8260U @ 1.60GHz | 7,776 | $297.00* |
| Intel Xeon E5-2630L v3 @ 1.80GHz | 7,753 | $199.94 |
| Intel Core i7-10610U @ 1.80GHz | 7,744 | $409.00* |
| AMD Ryzen Embedded V1756B | 7,739 | NA |
| Intel Xeon D-2123IT @ 2.20GHz | 7,731 | $213.00* |
| Intel Core i7-5950HQ @ 2.90GHz | 7,728 | NA |
| AMD Ryzen 3 PRO 1300 | 7,717 | NA |
| Intel Xeon E3-1270L v4 @ 3.00GHz | 7,662 | NA |
| AMD Ryzen 7 2800H | 7,656 | NA |
| Intel Core i5-8400T @ 1.70GHz | 7,649 | $189.00* |
| AMD Ryzen 5 PRO 2400GE | 7,644 | NA |
| Intel Core i5-9300HF @ 2.40GHz | 7,641 | $250.00* |
| AMD Ryzen 3 3200GE | 7,631 | NA |
| Intel Xeon E-2224 @ 3.40GHz | 7,621 | $222.99* |
| AMD Ryzen 5 2400GE | 7,619 | NA |
| Intel Xeon E-2254ML @ 1.70GHz | 7,600 | NA |
| Intel Core i5-8300H @ 2.30GHz | 7,575 | $250.00* |
| AMD Ryzen 5 2600H | 7,537 | NA |
| Intel Xeon E3-1285 v4 @ 3.50GHz | 7,533 | NA |
| Intel Xeon E5-1630 v3 @ 3.70GHz | 7,489 | $184.99* |
| Intel Xeon E5-2650L v2 @ 1.70GHz | 7,475 | $200.00 |
| AMD Ryzen 7 3700U | 7,446 | NA |
| Intel Xeon E3-1281 v3 @ 3.70GHz | 7,430 | $179.99 |
| AMD Ryzen 7 PRO 3700U | 7,423 | NA |
| Intel Xeon E5-2630 v2 @ 2.60GHz | 7,420 | $39.00 |
| Intel Xeon E3-1286 v3 @ 3.70GHz | 7,418 | $839.00* |
| Intel Xeon E3-1535M v5 @ 2.90GHz | 7,417 | $623.00* |
| Intel Xeon E5-2667 @ 2.90GHz | 7,393 | $40.38* |
| Intel Xeon E5-2623 v3 @ 3.00GHz | 7,382 | $69.28* |
| Intel Xeon E3-1271 v3 @ 3.60GHz | 7,379 | $200.00* |
| AMD Ryzen 7 PRO 2700U | 7,378 | NA |
| Intel Xeon E5-1620 v4 @ 3.50GHz | 7,378 | $469.95 |
| AMD Ryzen 3 PRO 3200G | 7,372 | NA |

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|---|---|---|
| Intel Xeon E3-1230 v5 @ 3.40GHz | 7,368 | $341.53* |

## CPU Benchmarks

| | | |
|---|---|---|
| Intel Core i3-9320 @ 3.70GHz | 7,358 | $162.00* |
| Intel Core i7-6770HQ @ 2.60GHz | 7,348 | $1,169.98 |
| Intel Xeon E5-2430 v2 @ 2.50GHz | 7,319 | $549.99 |
| Intel Xeon E5-4640 @ 2.40GHz | 7,308 | $2,730.00* |
| Intel Core i7-990X @ 3.47GHz | 7,306 | $290.00* |
| AMD Ryzen 3 PRO 3200GE | 7,295 | NA |
| Intel Xeon E5-2650 @ 2.00GHz | 7,287 | $35.53 |
| AMD Ryzen 3 3200G | 7,276 | $99.00 |
| Intel Core i3-9300 @ 3.70GHz | 7,267 | $189.98 |
| Intel Xeon E3-1270 v3 @ 3.50GHz | 7,257 | $147.69 |
| Intel Xeon E3-1285 v3 @ 3.60GHz | 7,240 | NA |
| Intel Core i7-6700T @ 2.80GHz | 7,238 | $329.98 |
| Intel Xeon E3-1276 v3 @ 3.60GHz | 7,235 | $1,109.00 |
| Intel Core i5-8305G @ 2.80GHz | 7,231 | NA |
| Intel Xeon E5-4610 v3 @ 1.70GHz | 7,229 | $1,219.00* |
| Intel Xeon X5679 @ 3.20GHz | 7,228 | NA |
| AMD Ryzen 5 PRO 3500U | 7,223 | NA |
| Intel Core i7-4790 @ 3.60GHz | 7,218 | $304.76 |
| AMD Ryzen 7 3780U | 7,203 | NA |
| Intel Core i7-6820HK @ 2.70GHz | 7,184 | $378.00* |
| Intel Xeon D-1537 @ 1.70GHz | 7,176 | $571.00* |
| Intel Xeon D-1539 @ 1.60GHz | 7,175 | $486.00* |
| AMD Ryzen 5 3500U | 7,174 | NA |
| Intel Xeon E5-2623 v4 @ 2.60GHz | 7,162 | $549.00* |
| Intel Xeon E3-1505M v5 @ 2.80GHz | 7,149 | NA |
| Intel Core i7-10510U @ 1.80GHz | 7,137 | $409.00* |
| Intel Xeon W3690 @ 3.47GHz | 7,134 | $184.04 |
| Intel Xeon E3-1246 v3 @ 3.50GHz | 7,123 | $786.00 |
| Intel Xeon D-1557 @ 1.50GHz | 7,118 | $694.00* |
| Intel Xeon E5-2628L v2 @ 1.90GHz | 7,116 | NA |
| Intel Core i7-6920HQ @ 2.90GHz | 7,083 | $568.00* |
| Intel Xeon E3-1231 v3 @ 3.40GHz | 7,082 | $499.95 |
| Intel Xeon E5-1620 v3 @ 3.50GHz | 7,081 | $49.99 |
| Intel Core i7-995X @ 3.60GHz | 7,079 | NA |
| Intel Core i7-7820HQ @ 2.90GHz | 7,068 | $378.00* |
| AMD Opteron 6380 | 7,061 | $998.99 |
| Intel Core i7-4770K @ 3.50GHz | 7,060 | $325.00 |
| Intel Core i7-7820EQ @ 3.00GHz | 7,059 | $378.00* |
| Intel Xeon E3-1240 v3 @ 3.40GHz | 7,058 | $999.00* |
| AMD Ryzen 3 1300X | 7,054 | $248.96 |
| Intel Core i7-4770 @ 3.40GHz | 7,050 | $354.98 |
| Intel Core i7-5850EQ @ 2.70GHz | 7,036 | $435.00* |
| AMD Opteron 6386 SE | 7,017 | $135.09* |
| Intel Xeon E-2124 @ 3.30GHz | 7,014 | $210.95 |
| Intel Xeon E3-1245 v3 @ 3.40GHz | 7,005 | $299.00 |
| Intel Xeon E5-2637 v2 @ 3.50GHz | 7,004 | $59.99 |

| | | |
|---|---|---|
| Intel Xeon E5-4607 v2 @ 2.60GHz | 6,986 | NA |

## CPU Benchmarks

| | | |
|---|---|---|
| Intel Core i7-4940MX @ 3.10GHz | 6,943 | $699.95* |
| Intel Xeon W3680 @ 3.33GHz | 6,938 | $149.95 |
| Intel Xeon E3-1241 v3 @ 3.50GHz | 6,930 | $863.00 |
| Intel Xeon E5-2440 v2 @ 1.90GHz | 6,927 | $44.00* |
| Intel Core i7-980 @ 3.33GHz | 6,927 | $199.98* |
| Intel Xeon X5690 @ 3.47GHz | 6,927 | $209.71 |
| Intel Core i7-7700HQ @ 2.80GHz | 6,925 | $378.00* |
| AMD Opteron 6287 SE | 6,925 | NA |
| Intel Core i7-4771 @ 3.50GHz | 6,894 | $219.99* |
| Intel Xeon E5-2450 @ 2.10GHz | 6,886 | $69.99* |
| Intel Core i3-8350K @ 4.00GHz | 6,881 | $198.75* |
| Intel Core i7-6820HQ @ 2.70GHz | 6,879 | NA |
| Intel Core i7-5850HQ @ 2.70GHz | 6,866 | $434.00* |
| AMD Ryzen 5 PRO 2500U | 6,860 | NA |
| AMD Ryzen Embedded V1605B | 6,857 | NA |
| Intel Core i3-9100F @ 3.60GHz | 6,848 | $71.88 |
| Intel Xeon E5-4620 @ 2.20GHz | 6,830 | $134.21* |
| Intel Core i3-8100B @ 3.60GHz | 6,829 | $133.00* |
| Intel Xeon E3-1280 v3 @ 3.60GHz | 6,829 | $249.00 |
| Intel Xeon X5680 @ 3.33GHz | 6,826 | $142.95 |
| Intel Xeon E3-1230 v3 @ 3.30GHz | 6,825 | $345.00 |
| Intel Xeon E3-1285L v3 @ 3.10GHz | 6,822 | $599.00 |
| Intel Core i7-4770S @ 3.10GHz | 6,812 | $167.99* |
| Intel Xeon E3-1505M v6 @ 3.00GHz | 6,810 | NA |
| Intel Xeon D-1528 @ 1.90GHz | 6,806 | NA |
| Intel Core i7-8665U @ 1.90GHz | 6,787 | $409.00* |
| Intel Xeon E5-2448L v2 @ 1.80GHz | 6,774 | $1,424.00* |
| Intel Core i3-9100 @ 3.60GHz | 6,770 | $107.99 |
| Intel Core i5-7600K @ 3.80GHz | 6,762 | $359.98 |
| Intel Core i5-10310U @ 1.70GHz | 6,753 | $297.00* |
| Intel Core i7-6820EQ @ 2.80GHz | 6,746 | NA |
| Intel Core i7-4980HQ @ 2.80GHz | 6,738 | NA |
| AMD Ryzen 3 PRO 2200G | 6,717 | NA |
| Intel Core i7-980X @ 3.33GHz | 6,702 | $1,099.95* |
| Intel Core i7-970 @ 3.20GHz | 6,701 | $499.95* |
| AMD Ryzen 3 2200G | 6,692 | $169.99 |
| AMD FX-9590 Eight-Core | 6,680 | $216.00 |
| Intel Core i7-4770R @ 3.20GHz | 6,666 | NA |
| Intel Xeon W3670 @ 3.20GHz | 6,640 | $499.99* |
| Intel Core i7-4960HQ @ 2.60GHz | 6,638 | $623.00* |
| AMD Ryzen 5 2500U | 6,607 | NA |
| Intel Core i7-8650U @ 1.90GHz | 6,605 | $1,049.00* |
| Intel Core i5-7600 @ 3.50GHz | 6,601 | $288.98 |
| Intel Xeon E3-1268L v5 @ 2.40GHz | 6,600 | $456.54* |
| Intel Core i7-6700TE @ 2.40GHz | 6,600 | NA |

| | | |
|---|---|---|
| Intel Xeon Platinum 8151 @ 3.40GHz | 6,591 | NA |

## CPU Benchmarks

| | | |
|---|---|---|
| Intel Xeon E3-1270 V2 @ 3.50GHz | 6,574 | $269.00 |
| Intel Core i7-4820K @ 3.70GHz | 6,569 | $219.99* |
| Intel Xeon E5-1428L v2 @ 2.20GHz | 6,566 | $494.00* |
| Intel Xeon E5-1620 v2 @ 3.70GHz | 6,541 | $47.00* |
| AMD Ryzen 7 2700U | 6,534 | NA |
| Intel Xeon Bronze 3106 @ 1.70GHz | 6,532 | $349.00 |
| Intel Xeon E3-1290 V2 @ 3.70GHz | 6,523 | $885.00* |
| Intel Core i7-4860HQ @ 2.40GHz | 6,500 | NA |
| Intel Xeon E3-1265L v4 @ 2.30GHz | 6,493 | NA |
| Intel Core i7-6700HQ @ 2.60GHz | 6,478 | $378.00* |
| Intel Core i5-8365U @ 1.60GHz | 6,466 | $679.95 |
| Intel Core i3-8300 @ 3.70GHz | 6,460 | $136.78 |
| Intel Xeon E5-4610 @ 2.40GHz | 6,460 | $1,223.00* |
| Intel Xeon E3-1286L v3 @ 3.20GHz | 6,450 | $774.00* |
| Intel Core i7-3770K @ 3.50GHz | 6,446 | $249.98 |
| Intel Core i7-4930MX @ 3.00GHz | 6,432 | $1,096.00* |
| Intel Xeon E5-2608L v3 @ 2.00GHz | 6,415 | $441.00* |
| Intel Core i5-8350U @ 1.70GHz | 6,413 | $297.00* |
| Intel Core i5-10210U @ 1.60GHz | 6,412 | $559.95 |
| Intel Xeon E3-1240 V2 @ 3.40GHz | 6,409 | $230.00 |
| AMD Ryzen 3 1200 | 6,407 | $94.63 |
| Intel Core i7-4790T @ 2.70GHz | 6,407 | $359.99* |
| AMD Opteron 6282 SE | 6,385 | $630.10* |
| Intel Core i5-7640X @ 4.00GHz | 6,379 | $225.85 |
| AMD Ryzen 3 PRO 1200 | 6,376 | NA |
| Intel Xeon X5675 @ 3.07GHz | 6,374 | $72.49 |
| Intel Xeon E5-2420 v2 @ 2.20GHz | 6,367 | $16.74 |
| Intel Core i3-9300T @ 3.20GHz | 6,367 | $143.00* |
| Intel Core i7-4870HQ @ 2.50GHz | 6,365 | NA |
| Intel Xeon W-2104 @ 3.20GHz | 6,362 | $255.00* |
| Intel Core i7-3770 @ 3.40GHz | 6,362 | $225.98 |
| Intel Xeon E5-2630L v2 @ 2.40GHz | 6,337 | $40.37* |
| AMD Ryzen 3 PRO 2200GE | 6,337 | NA |
| Intel Xeon E5-2640 @ 2.50GHz | 6,330 | $84.14 |
| Intel Xeon E5-1607 v4 @ 3.10GHz | 6,308 | NA |
| Intel Xeon E3-1280 V2 @ 3.60GHz | 6,301 | $350.00 |
| Intel Core i7-4760HQ @ 2.10GHz | 6,300 | NA |
| Intel Xeon E5-4617 @ 2.90GHz | 6,298 | $43.96* |
| Intel Xeon E3-1225 v6 @ 3.30GHz | 6,296 | $233.80 |
| Intel Core i5-8265U @ 1.60GHz | 6,295 | $297.00* |
| Intel Core i5-6600K @ 3.50GHz | 6,289 | $289.95* |
| Intel Core i7-4900MQ @ 2.80GHz | 6,252 | $586.67* |
| Intel Xeon E5-2620 v2 @ 2.10GHz | 6,240 | $190.04 |
| Intel Xeon E3-1230 V2 @ 3.30GHz | 6,236 | $199.00 |
| Intel Core i7-1060NG7 @ 1.20GHz | 6,234 | NA |

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|---|---|---|
| Intel Xeon X5660 @ 2.80GHz | 6,233 | $94.09 |

## CPU Benchmarks

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|---|---|---|
| Intel Core i3-8100 @ 3.60GHz | 6,193 | $114.80 |
| Intel Core i7-3770S @ 3.10GHz | 6,191 | $299.98* |
| AMD Opteron 6276 | 6,183 | $199.00 |
| Intel Xeon X5670 @ 2.93GHz | 6,165 | $57.59 |
| Intel Core i5-7500 @ 3.40GHz | 6,155 | $235.98 |
| Intel Core i7-4810MQ @ 2.80GHz | 6,155 | $189.95* |
| Intel Core i7-4910MQ @ 2.90GHz | 6,149 | $459.95* |
| AMD FX-8370 Eight-Core | 6,114 | $242.00* |
| Intel Core i5-8250U @ 1.60GHz | 6,092 | NA |
| Intel Core i7-5675C @ 3.10GHz | 6,089 | NA |
| Intel Xeon E3-1505L v6 @ 2.20GHz | 6,088 | NA |
| Intel Xeon E5-1410 v2 @ 2.80GHz | 6,081 | NA |
| Intel Core i5-6600 @ 3.30GHz | 6,076 | $262.13* |
| Intel Xeon E5-2630 @ 2.30GHz | 6,074 | $60.90 |
| Intel Xeon E5-2658 @ 2.10GHz | 6,073 | $1,462.00* |
| Intel Core i7-4770HQ @ 2.20GHz | 6,069 | NA |
| AMD Opteron 6344 | 6,069 | $394.98 |
| Intel Xeon E3-1275 V2 @ 3.50GHz | 6,051 | $88.00* |
| Intel Xeon E3-1220 v6 @ 3.00GHz | 6,048 | $214.99 |
| Intel Core i7-5700HQ @ 2.70GHz | 6,047 | NA |
| Intel Core i5-8365UE @ 1.60GHz | 6,043 | $297.00* |
| Intel Xeon E5-2440 @ 2.40GHz | 6,040 | $19.55* |
| Intel Core i7-8550U @ 1.80GHz | 6,026 | NA |
| Intel Xeon E3-1265L v3 @ 2.50GHz | 6,019 | $699.95 |
| AMD FX-9370 Eight-Core | 6,015 | $627.00 |
| AMD Ryzen 3 2200GE | 6,011 | NA |
| AMD Ryzen 3 PRO 3300U | 6,007 | NA |
| Intel Core i7-3920XM @ 2.90GHz | 6,001 | $1,096.00* |
| Intel Xeon E3-1245 V2 @ 3.40GHz | 5,998 | $245.00 |
| Intel Core i5-8265UC @ 1.60GHz | 5,988 | NA |
| Intel Xeon E5-2609 v4 @ 1.70GHz | 5,974 | $359.73* |
| Intel Xeon E3-1275L v3 @ 2.70GHz | 5,949 | NA |
| Intel Core i7-4770T @ 2.50GHz | 5,946 | $399.99* |
| Intel Core i7-4800MQ @ 2.70GHz | 5,937 | $194.10* |
| Intel Core i5-5675C @ 3.10GHz | 5,932 | $309.95* |
| Intel Core i5-5675R @ 3.10GHz | 5,931 | NA |
| Intel Xeon D-1521 @ 2.40GHz | 5,931 | NA |
| AMD FX-8350 Eight-Core | 5,917 | $229.00 |
| Intel Xeon E5-1620 @ 3.60GHz | 5,909 | $670.09 |
| Intel Core i7-5700EQ @ 2.60GHz | 5,905 | NA |
| Intel Xeon X5650 @ 2.67GHz | 5,896 | $39.97 |
| Intel Xeon E3-1275 v3 @ 3.50GHz | 5,889 | $399.00* |
| AMD Opteron 6378 | 5,889 | $1,295.00* |
| Intel Xeon E3-1240L v5 @ 2.10GHz | 5,880 | $278.00* |
| AMD Ryzen 3 PRO 2300U | 5,873 | NA |

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|---|---|---|
| Intel Core i7-3820 @ 3.60GHz | 5,871 | $399.99 |
| Intel Core i7-4710MQ @ 2.50GHz | 5,870 | $271.57* |

## CPU Benchmarks

| | | |
|---|---|---|
| Intel Xeon E3-1225 v5 @ 3.30GHz | 5,839 | $508.57 |
| Intel Core i3-8300T @ 3.20GHz | 5,827 | $155.20 |
| Intel Xeon E5-2650L @ 1.80GHz | 5,816 | $75.00* |
| Intel Core i7-4850HQ @ 2.30GHz | 5,808 | $434.00* |
| Intel Core i5-7440HQ @ 2.80GHz | 5,785 | NA |
| AMD Opteron 4274 HE | 5,776 | $39.99* |
| Intel Core i5-1030NG7 @ 1.10GHz | 5,754 | NA |
| AMD Ryzen 3 3300U | 5,743 | NA |
| Intel Xeon E5-2430 @ 2.20GHz | 5,737 | $294.99 |
| Intel Xeon W-2102 @ 2.90GHz | 5,727 | $286.99* |
| Intel Core i5-6402P @ 2.80GHz | 5,719 | $189.99* |
| Intel Core i7-3720QM @ 2.60GHz | 5,705 | $363.00* |
| Intel Xeon E3-1205 v6 @ 3.00GHz | 5,682 | $193.00* |
| Intel Core i7-4720HQ @ 2.60GHz | 5,674 | NA |
| Intel Xeon D-1559 @ 1.50GHz | 5,647 | NA |
| Intel Core i5-6500 @ 3.20GHz | 5,638 | $149.99* |
| AMD Opteron 6238 | 5,625 | $349.89 |
| Intel Core i7-4722HQ @ 2.40GHz | 5,620 | NA |
| Intel Xeon E5-2643 @ 3.30GHz | 5,611 | $2,566.00 |
| Intel Core i5-4690 @ 3.50GHz | 5,596 | $205.98 |

Software

BurnInTest
PerformanceTest
OSForensics
MemTest86
WirelessMon
Zoom Search Engine
Free Software

Hardware

USB3.0 Loopback Plugs
USB2.0 Loopback Plugs
PCIe Test Cards
USB Power Delivery Tester
Serial and Parallel Loopback Plugs
USB Short Circuit Testers

Benchmarks

CPU Benchmarks
Video Card Benchmarks
Hard Drive Benchmarks
RAM Benchmarks
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