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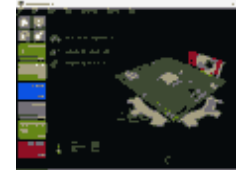
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CPU Benchmarks

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How does your CPU compare?
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New Desktop CPU Performance

This chart comparing performance of CPUs designed for desktop machines is made using thousands of **PerformanceTest** benchmark results and is updated daily.

Notes:

- While we try to keep this chart mainly server and laptop CPU free, there might be some rogue processors in the list.
- The chart shows only CPUs that had their benchmark first submitted within the last 36 months. Older desktop CPUs may not appear.

CPU Mark | Price Performance | Sorted by Date

(Click to select desired chart)

PassMark - CPU Mark Desktop CPU Performance - Updated 15th of October 2018

Processor	Score	Price (USD)
Intel Core i9-7980XE @ 2.60GHz	27,766	\$1,899.99
AMD Ryzen Threadripper 2950X	25,947	\$899.99
Intel Core i9-7960X @ 2.80GHz	25,675	\$1,809.99
Intel Core i9-7940X @ 3.10GHz	25,438	\$1,550.56
AMD Ryzen Threadripper 2990WX	24,300	\$1,719.99
Intel Core i9-7920X @ 2.90GHz	23,270	\$1,099.99
AMD Ryzen Threadripper 1950X	22,108	\$679.99
Intel Core i9-7900X @ 3.30GHz	21,994	\$1,275.00
Intel Core i7-6950X @ 3.00GHz	19,974	\$1,575.99
Intel Core i7-7900X @ 3.30GHz	19,685	NA
Intel Core i7-7820X @ 3.60GHz	18,546	\$899.99
AMD Ryzen Threadripper 1920X	18,511	\$549.99
Intel Core i7-6900K @ 3.20GHz	17,704	\$1,199.98
AMD Ryzen 7 PRO 2700X	17,272	NA
AMD Ryzen 7 2700X	16,953	\$294.99
Intel Core i7-8086K @ 4.00GHz	16,848	\$552.96*
AMD Ryzen 7 PRO 2700	16,341	NA

Intel Core i7-8700K @ 3.70GHz	15,969	\$375.99
AMD Ryzen Threadripper 1900X	15,808	\$319.99
AMD Ryzen 7 1800X	15,400	\$249.97
AMD Ryzen 7 PRO 1700X	15,349	NA
Intel Core i7-8700 @ 3.20GHz	15,158	\$459.95
AMD Ryzen 7 2700	15,060	\$249.99
AMD Ryzen 7 PRO 1700	14,708	NA
AMD Ryzen 5 PRO 2600	14,645	NA
AMD Ryzen 7 1700X	14,640	\$224.99
Intel Core i7-7800X @ 3.50GHz	14,516	\$369.99
Intel Core i7-6850K @ 3.60GHz	14,369	\$549.99
AMD Ryzen 5 2600X	14,348	\$199.99
AMD Ryzen 7 1700	13,747	\$179.99
Intel Core i7-6800K @ 3.40GHz	13,592	\$419.99
AMD Ryzen 5 2600	13,508	\$159.99
AMD Ryzen 5 1600X	13,229	\$172.40
Intel Core i5-8600K @ 3.60GHz	12,803	\$378.59
Intel Core i5-8600 @ 3.10GHz	12,536	\$244.47*
Intel Core i7-8700T @ 2.40GHz	12,490	\$336.52
AMD Ryzen 5 1600	12,265	\$154.99
Intel Core i7-7740X @ 4.30GHz	12,248	\$348.99
AMD Ryzen 5 PRO 1600	12,213	NA
Intel Core i7-7700K @ 4.20GHz	12,043	\$369.99
Intel Core i5-8500 @ 3.00GHz	12,009	\$249.00
Intel Core i5-8400 @ 2.80GHz	11,690	\$204.99
Intel Core i5-8600T @ 2.30GHz	10,913	\$373.99*
Intel Core i7-5775R @ 3.30GHz	10,848	NA
Intel Core i7-7700 @ 3.60GHz	10,755	\$338.95
AMD Ryzen 5 PRO 1500	10,123	NA
AMD Ryzen 5 PRO 2400G	10,097	NA
AMD Ryzen 5 1500X	10,069	\$144.89
Intel Core i5-8500T @ 2.10GHz	9,947	\$218.34
AMD Ryzen 5 PRO 2400GE	9,712	NA
Intel Core i5-7640X @ 4.00GHz	9,599	\$249.99
Intel Core i5-8400T @ 1.70GHz	9,568	\$293.99
AMD Ryzen 5 2400G	9,263	\$159.99
Intel Core i3-8350K @ 4.00GHz	9,251	\$184.99
Intel Core i7-7700T @ 2.90GHz	9,154	\$383.15
Intel Core i5-7600K @ 3.80GHz	9,131	\$228.98
Intel Core i5-7600 @ 3.50GHz	8,766	\$239.97
Intel Core i3-8300 @ 3.70GHz	8,765	\$179.43*
Intel Core i7-6700TE @ 2.40GHz	8,712	NA
AMD Ryzen 5 1400	8,398	\$134.99
AMD Ryzen 3 PRO 1300	8,300	NA
Intel Core i7-5675C @ 3.10GHz	8,164	NA

AMD Ryzen 3 PRO 2200G	8,106	NA
Intel Core i5-7600T @ 2.80GHz	8,097	\$253.69
Intel Core i3-8100 @ 3.60GHz	8,096	\$124.99
Intel Core i5-5675R @ 3.10GHz	8,054	NA
Intel Core i5-7500 @ 3.40GHz	8,029	\$239.99
AMD Ryzen 3 PRO 2200GE	8,004	NA
Intel Core i3-8300T @ 3.20GHz	7,650	\$165.28
AMD Ryzen 3 1300X	7,487	\$139.30
Intel Core i5-5575R @ 2.80GHz	7,434	NA
AMD Ryzen 3 2200G	7,429	\$97.99
Intel Core i5-4670R @ 3.00GHz	7,419	\$276.00*
Intel Core i5-7400 @ 3.00GHz	7,358	\$242.99
AMD Ryzen 5 2400GE	7,285	NA
AMD Ryzen 3 2200GE	7,229	NA
Intel Core i3-8100T @ 3.10GHz	7,111	\$135.00
Intel Core i5-6402P @ 2.80GHz	7,097	\$189.99*
AMD Ryzen 3 PRO 1200	7,069	NA
Intel Core i5-7500T @ 2.70GHz	7,038	\$231.67
AMD FX-6330 Six-Core	6,916	NA
AMD Ryzen 3 1200	6,757	\$112.85
Intel Core i3-7350K @ 4.20GHz	6,624	\$229.95
Intel Core i5-6500TE @ 2.30GHz	6,559	\$222.32*
Intel Core i3-7320 @ 4.10GHz	6,541	\$174.76*
Intel Core i5-7400T @ 2.40GHz	6,444	\$601.73
Intel Core i3-7300 @ 4.00GHz	6,436	\$209.99*
Intel Core i5-6500T @ 2.50GHz	6,272	NA
AMD PRO A12-9800	6,199	\$169.00*
AMD PRO A12-8870	6,067	NA
Intel Core i3-6320 @ 3.90GHz	6,047	\$159.99
AMD PRO A10-8850B	5,852	NA
Intel Core i3-7100 @ 3.90GHz	5,786	\$189.95
Intel Pentium Gold G5600 @ 3.90GHz	5,770	\$100.90
AMD A10-7890K	5,745	\$199.99
AMD PRO A10-8770	5,707	NA
AMD PRO A10-9700	5,677	\$169.00*
AMD PRO A10-8750B	5,646	NA
AMD A10-8850	5,616	NA
Intel Core i5-6400T @ 2.20GHz	5,596	\$235.18
AMD Athlon X4 880K	5,567	\$89.99
AMD A12-9800	5,516	\$129.99
AMD A8-8650	5,470	NA
AMD A10-9700	5,444	\$69.99
AMD PRO A8-8650B	5,426	NA
AMD Athlon X4 845	5,423	\$49.99
Intel Core i3-6098P @ 3.60GHz	5,412	\$133.74*

Intel Core i3-7300T @ 3.50GHz	5,366	\$195.41*
AMD PRO A8-9600	5,321	\$119.00*
AMD FX-4330	5,321	NA
AMD Athlon X4 870K	5,301	\$79.99
AMD Athlon X4 950	5,298	\$59.99
AMD Athlon PRO 200GE	5,287	NA
Intel Core i3-6300T @ 3.30GHz	5,249	\$139.99
Intel Pentium Gold G5500 @ 3.80GHz	5,248	\$100.32*
Intel Pentium Gold G5400 @ 3.70GHz	5,233	\$120.00
Intel Pentium G4620 @ 3.70GHz	5,205	\$105.86*
AMD PRO A12-8870E	5,186	NA
Intel Pentium G4600 @ 3.60GHz	5,097	\$80.00
AMD A10-7860K	5,092	\$398.00
AMD A12-9800E	5,060	\$114.49
AMD Athlon 200GE	5,051	NA
Intel Core i3-7100T @ 3.40GHz	5,051	\$89.00*
AMD PRO A10-8770E	5,045	NA
AMD Phenom II X6 1405T	5,042	NA
Intel Core i3-7101TE @ 3.40GHz	5,016	\$117.00*
AMD FX-4320	5,015	NA
AMD A8-9600	5,008	\$59.99
AMD PRO A10-9700E	4,922	\$139.00*
Intel Pentium G4560 @ 3.50GHz	4,874	\$103.12
Intel Core i3-4370T @ 3.30GHz	4,855	\$138.00*
Intel Core i3-6100T @ 3.20GHz	4,853	\$189.99
AMD PRO A12-9800E	4,793	\$169.00*
AMD Athlon X4 830	4,701	NA
AMD PRO A8-8670E	4,692	NA
AMD A10-9700E	4,687	\$69.99
Intel Pentium Gold G5500T @ 3.20GHz	4,577	\$75.00*
Intel Core i3-4170T @ 3.20GHz	4,565	\$209.95
AMD FirePro A320 APU	4,540	NA
Intel Core i3-6100TE @ 2.70GHz	4,337	NA
Intel Pentium G4600T @ 3.00GHz	4,272	\$99.44*
AMD Phenom II X4 B70	4,261	NA
Intel Pentium G4520 @ 3.60GHz	4,184	\$110.22
Intel Pentium G4560T @ 2.90GHz	4,047	\$99.99
Intel Pentium G4500 @ 3.50GHz	3,791	\$85.26
Intel Core i7-7Y75 @ 1.30GHz	3,753	NA
Intel Core i3-2102 @ 3.10GHz	3,736	\$58.00*
Intel Pentium G4400 @ 3.30GHz	3,562	\$52.42
Intel Celeron G4920 @ 3.20GHz	3,521	\$69.98
Intel Pentium G4500T @ 3.00GHz	3,471	NA
AMD PRO A6-9500	3,239	\$74.00*
Intel Pentium G4400T @ 2.90GHz	3,221	NA

Intel Celeron G4900 @ 3.10GHz	3,193	\$132.69
Intel Celeron G3900 @ 2.80GHz	3,171	\$39.89
Intel Celeron G3920 @ 2.90GHz	3,113	\$64.95
AMD A6-8550	3,104	NA
AMD PRO A6-8570	3,049	NA
Intel Celeron G3930 @ 2.90GHz	3,037	\$51.17*
Intel Core i3-3250T @ 3.00GHz	3,021	NA
AMD PRO A6-8550B	3,018	NA
Intel Celeron G3950 @ 3.00GHz	3,006	\$71.22*
AMD A6-9500	2,996	\$56.00
Intel Pentium Silver J5005 @ 1.50GHz	2,987	\$219.92*
Intel Celeron G4900T @ 2.90GHz	2,960	NA
AMD PRO A4-8350B	2,927	NA
Intel Celeron G3900T @ 2.60GHz	2,919	NA
AMD A6-9500E	2,918	\$59.99
AMD Athlon 5370 APU	2,898	\$63.70*
AMD PRO A6-8570E	2,824	NA
AMD Phenom X4 Quad-Core GP-9730	2,812	NA
Intel Pentium G2100T @ 2.60GHz	2,802	NA
AMD A6-7470K	2,777	\$69.99
AMD PRO A6-9500E	2,761	\$74.00*
Intel Celeron J4105 @ 1.50GHz	2,641	\$107.00*
AMD A9-9430	2,513	NA
Intel Pentium J4205 @ 1.50GHz	2,302	NA
Intel Celeron J3455 @ 1.50GHz	2,144	\$389.99
AMD Sempron 240	2,110	\$58.00
AMD A6-9230	2,102	NA
AMD Phenom X4 Quad-Core GP-9530	1,994	NA
AMD Phenom II X2 570	1,960	NA
Intel Pentium J3710 @ 1.60GHz	1,952	NA
Intel Celeron J3160 @ 1.60GHz	1,786	NA
Intel Celeron J4005 @ 2.00GHz	1,601	\$249.44*
Intel Celeron J3355 @ 2.00GHz	1,169	NA
Intel Celeron J3060 @ 1.60GHz	976	NA
Intel Pentium 4 3.83GHz	195	NA
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* - Last seen price from our affiliates.

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