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CPU Benchmarks

Over 1,000,000 CPUs
Benchmarked

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How does your CPU compare?

Add your CPU to our benchmark chart
with **PerformanceTest V9!**

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](#)

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
PassMark - CPU Mark Desktop CPU Performance - Updated 17th of June 2019

		Price (USD)
Intel Core i9-9980XE @ 3.00GHz	29,612	\$1,999.99
Intel Core i9-9960X @ 3.10GHz	28,132	\$1,699.00
Intel Core i9-7980XE @ 2.60GHz	27,854	\$1,979.99
Intel Core i9-9940X @ 3.30GHz	27,285	\$1,389.00
Intel Core i9-7960X @ 2.80GHz	25,998	\$1,399.99*
Intel Core i9-9920X @ 3.50GHz	25,784	\$1,199.99
AMD Ryzen Threadripper 2950X	25,548	\$803.99
Intel Core i9-7940X @ 3.10GHz	25,373	\$1,299.99
Intel Core i9-7920X @ 2.90GHz	23,405	\$969.99
AMD Ryzen Threadripper 2990WX	23,230	\$1,617.11
Intel Core i9-9900X @ 3.50GHz	23,041	\$999.99
AMD Ryzen Threadripper 2920X	22,113	\$579.99
AMD Ryzen Threadripper 2970WX	22,029	\$1,229.99
Intel Core i9-7900X @ 3.30GHz	21,903	\$949.99
AMD Ryzen Threadripper 1950X	21,847	\$499.99
Intel Core i9-9820X @ 3.30GHz	21,674	\$819.60
Intel Core i9-9900KF @ 3.60GHz	20,692	\$469.99

Intel Core i7-7900X @ 3.30GHz	20,406	NA
Intel Core i9-9900K @ 3.60GHz	20,208	\$489.99
Intel Core i7-9800X @ 3.80GHz	19,879	\$642.84
AMD Ryzen 5 3600	19,634	\$199.00*
AMD Ryzen Threadripper 1920X	19,598	\$369.49
AMD Ryzen Threadripper 2990X	19,227	NA
Intel Core i7-7820X @ 3.60GHz	18,492	\$608.31
Intel Core i7-9700K @ 3.60GHz	17,184	\$364.99
AMD Ryzen 7 PRO 2700X	17,161	NA
Intel Core i7-9700KF @ 3.60GHz	17,143	\$433.86
AMD Ryzen 7 2700X	16,981	\$269.99
Intel Core i7-9700F @ 3.00GHz	16,811	\$387.95
Intel Core i7-8086K @ 4.00GHz	16,688	\$552.96*
AMD Ryzen Threadripper 1900X	16,133	\$289.99
Intel Core i7-9700 @ 3.00GHz	16,111	\$329.99
Intel Core i7-8700K @ 3.70GHz	15,961	\$349.99
AMD Ryzen 7 PRO 2700	15,714	NA
AMD Ryzen 7 1800X	15,421	\$245.06
AMD Ryzen 7 PRO 1700X	15,367	NA
Intel Core i7-8700 @ 3.20GHz	15,155	\$299.99
AMD Ryzen 7 2700	15,012	\$218.99
AMD Ryzen 7 1700X	14,682	\$176.95
Intel Core i7-7800X @ 3.50GHz	14,627	\$389.99
AMD Ryzen 5 2600X	14,371	\$189.99
AMD Ryzen 5 PRO 2600	14,221	NA
AMD Ryzen 7 PRO 1700	14,171	NA
Intel Core i5-9600KF @ 3.70GHz	13,991	\$249.99
AMD Ryzen 7 1700	13,771	\$265.36
AMD Ryzen 5 2600	13,511	\$149.99
Intel Core i5-9600K @ 3.70GHz	13,510	\$229.99
AMD Ryzen 5 1600X	13,209	\$155.99
Intel Core i5-8600K @ 3.60GHz	12,765	\$312.92*
Intel Core i7-8700T @ 2.40GHz	12,710	\$334.99
Intel Core i5-9500 @ 3.00GHz	12,673	\$202.00*
Intel Core i5-8600 @ 3.10GHz	12,628	\$277.21*
Intel Core i7-7740X @ 4.30GHz	12,293	\$379.95
AMD Ryzen 5 1600	12,283	\$119.99
AMD Ryzen 5 PRO 1600	12,213	NA
Intel Core i5-9400F @ 2.90GHz	12,144	\$149.99
Intel Core i7-7700K @ 4.20GHz	12,033	\$362.00
Intel Core i5-8500 @ 3.00GHz	11,923	\$209.00
Intel Core i5-9400 @ 2.90GHz	11,901	\$194.99
Intel Core i5-8400 @ 2.80GHz	11,641	\$196.99
Intel Core i5-9500T @ 2.20GHz	11,211	\$192.00*
Intel Core i5-8600T @ 2.30GHz	10,875	\$350.12*

Intel Core i7-7700 @ 3.60GHz	10,727	\$329.00
Intel Core i3-9350KF @ 4.00GHz	10,458	\$223.19
AMD Ryzen 5 PRO 1500	10,133	NA
AMD Ryzen 5 1500X	10,078	\$142.41
AMD Ryzen 5 PRO 2400G	9,992	NA
Intel Core i5-8500T @ 2.10GHz	9,986	\$213.73
AMD Ryzen 5 2500X	9,663	NA
Intel Core i5-8400T @ 1.70GHz	9,555	\$199.00
Intel Core i5-7640X @ 4.00GHz	9,545	\$349.84
AMD Ryzen 5 2400G	9,314	\$129.99
Intel Core i7-7700T @ 2.90GHz	9,280	\$363.56
Intel Core i3-8350K @ 4.00GHz	9,218	\$184.99
Intel Core i3-9100 @ 3.60GHz	9,158	\$129.99
Intel Core i5-7600K @ 3.80GHz	9,115	\$275.92
Intel Core i3-9100F @ 3.60GHz	9,067	\$104.99
AMD Ryzen 5 2400GE	8,808	NA
Intel Core i5-7600 @ 3.50GHz	8,722	\$243.99
Intel Core i3-8300 @ 3.70GHz	8,693	\$190.43
AMD Ryzen 5 PRO 2400GE	8,561	NA
AMD Ryzen 3 2300X	8,423	NA
AMD Ryzen 5 1400	8,364	\$143.83
Intel Core i5-7600T @ 2.80GHz	8,077	\$251.56
AMD Ryzen 3 PRO 2200G	8,042	NA
Intel Core i3-8300T @ 3.20GHz	8,032	\$170.49*
Intel Core i3-8100 @ 3.60GHz	8,031	\$119.99
AMD Ryzen 3 PRO 1300	8,022	NA
Intel Core i5-7500 @ 3.40GHz	8,021	\$199.99
AMD Ryzen 3 PRO 2200GE	7,630	NA
AMD Ryzen 3 1300X	7,504	\$95.54
Intel Core i5-4670R @ 3.00GHz	7,419	\$276.00*
Intel Core i3-8100T @ 3.10GHz	7,382	\$139.00
Intel Core i5-7400 @ 3.00GHz	7,326	\$216.70
AMD Ryzen 3 2200G	7,306	\$84.99
AMD Ryzen 3 PRO 1200	7,069	NA
Intel Core i5-7500T @ 2.70GHz	7,018	\$223.99
AMD FX-6330 Six-Core	6,916	NA
AMD Ryzen 3 2200GE	6,778	NA
AMD Ryzen 3 1200	6,730	\$64.99
Intel Core i3-7350K @ 4.20GHz	6,620	\$161.95
Intel Core i3-7320 @ 4.10GHz	6,417	\$182.72*
Intel Core i5-7400T @ 2.40GHz	6,406	\$221.88
Intel Core i3-7300 @ 4.00GHz	6,356	\$171.84*
AMD PRO A12-9800	6,132	\$169.00*
AMD PRO A12-8870	6,067	NA
Intel Core i3-7100 @ 3.90GHz	5,786	\$148.41

AMD PRO A10-8770	5,707	NA
AMD PRO A10-9700	5,677	\$169.00*
Intel Pentium Gold G5600 @ 3.90GHz	5,660	\$108.75*
AMD A12-9800	5,521	\$148.24
AMD Athlon 240GE	5,411	\$73.70
AMD A10-9700	5,385	\$84.68
Intel Core i3-7300T @ 3.50GHz	5,369	\$181.59*
AMD PRO A8-9600	5,277	\$119.00*
AMD Athlon X4 950	5,249	\$64.57
Intel Pentium G4620 @ 3.70GHz	5,210	\$113.66*
AMD Athlon PRO 200GE	5,204	NA
Intel Pentium Gold G5400 @ 3.70GHz	5,199	\$74.99
Intel Pentium Gold G5500 @ 3.80GHz	5,195	\$125.02
Intel Core i3-7101TE @ 3.40GHz	5,189	\$117.00*
AMD PRO A12-8870E	5,186	NA
AMD Ryzen 3 PRO 2100GE	5,113	NA
AMD A12-9800E	5,083	\$133.60
Intel Pentium G4600 @ 3.60GHz	5,076	\$187.99
AMD PRO A10-9700E	5,066	\$139.00*
Intel Core i3-7100T @ 3.40GHz	5,048	\$143.49
AMD Phenom II X6 1405T	5,042	NA
AMD PRO A10-8770E	5,035	NA
AMD PRO A8-8670E	5,015	NA
AMD A8-9600	4,990	\$64.76
AMD Athlon 200GE	4,937	\$62.06
Intel Core i3-4370T @ 3.30GHz	4,870	\$138.00*
Intel Pentium G4560 @ 3.50GHz	4,863	\$93.34
AMD PRO A12-9800E	4,769	\$169.00*
AMD A10-9700E	4,747	\$120.24*
AMD Athlon X4 830	4,701	NA
AMD FirePro A320 APU	4,540	NA
Intel Pentium Gold G5500T @ 3.20GHz	4,346	\$75.00*
Intel Pentium G4600T @ 3.00GHz	4,266	\$177.28*
Intel Pentium G4560T @ 2.90GHz	3,990	\$109.99*
Intel Core i7-7Y75 @ 1.30GHz	3,736	NA
Intel Celeron G4900 @ 3.10GHz	3,270	\$42.00
Intel Celeron G4920 @ 3.20GHz	3,192	\$66.99
AMD A6-7480	3,159	\$43.99
Intel Celeron G4900T @ 2.90GHz	3,096	NA
Intel Celeron G3950 @ 3.00GHz	3,049	\$71.22*
AMD PRO A6-8570	3,049	NA
AMD A6-9500	3,047	\$46.61
Intel Celeron G3930 @ 2.90GHz	3,034	\$51.17*
AMD PRO A6-9500	2,950	\$74.00*
Intel Pentium Silver J5005 @ 1.50GHz	2,907	\$219.92*

AMD Phenom X4 Quad-Core GP-9730	 2,897	NA
AMD A6-9500E	 2,889	\$71.87
AMD PRO A6-8570E	 2,824	NA
Intel Celeron G3930T @ 2.70GHz	 2,766	\$65.93
AMD PRO A6-9500E	 2,760	\$74.00*
Intel Celeron J4105 @ 1.50GHz	 2,633	\$107.00*
AMD A9-9430	 2,524	NA
Intel Pentium J4205 @ 1.50GHz	 2,257	NA
Intel Celeron J3455 @ 1.50GHz	 2,118	\$369.99*
AMD Sempron 240	 2,110	\$58.00
AMD A6-9230	 2,102	NA
AMD Phenom X4 Quad-Core GP-9530	 1,994	NA
Intel Celeron J4005 @ 2.00GHz	 1,541	\$140.51*
AMD E2-9030	 1,515	NA
Intel Celeron J3355 @ 2.00GHz	 1,194	NA
Intel Celeron J3060 @ 1.60GHz	 974	NA
Intel Pentium 4 3.83GHz	195	NA
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* - Last seen price from our affiliates.

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