CPU Benchmarks

Over 800,000 CPUs Benchmarked

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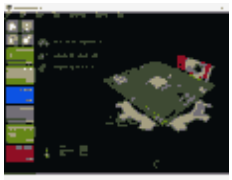

How does your CPU compare?
Add your CPU to our benchmark chart with **PerformanceTest V9**!

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**
(Click to select desired chart)

PassMark - CPU Mark
Desktop CPU Performance - Updated 20th of October 2017

		Price (USD)
Intel Core i9-7980XE @ 2.60GHz	27,709	$1,999.00*
Intel Core i9-7940X @ 3.10GHz	26,009	$1,399.00*
Intel Core i9-7960X @ 2.80GHz	25,364	$1,699.00*
Intel Core i9-7920X @ 2.90GHz	23,292	$1,129.89
Intel Core i9-7900X @ 3.30GHz	22,648	$969.99
AMD Ryzen Threadripper 1950X	22,474	$979.99
Intel Core i7-6950X @ 3.00GHz	20,033	$1,569.95
AMD Ryzen Threadripper 1920X	19,640	$779.99
Intel Core i7-7820X @ 3.60GHz	18,786	$574.99
Intel Core i7-6900K @ 3.20GHz	17,721	$1,049.89
Intel Core i7-8700K @ 3.70GHz	16,822	NA
AMD Ryzen Threadripper 1900X	15,813	$539.89
Intel Core i7-8700 @ 3.20GHz	15,508	$312.00*
AMD Ryzen 7 1800X	15,437	$439.39
AMD Ryzen 7 PRO 1700X	15,433	
AMD Ryzen 7 PRO 1700	14,950	
Intel Core i7-7800X @ 3.50GHz	14,709	
AMD Ryzen 7 1700X	14,641	

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Intel Core i7-6850K @ 3.60GHz	14,397	$349.89
AMD Ryzen 7 1700	13,785	$299.70
Intel Core i7-6800K @ 3.40GHz	13,617	$319.99
Intel Core i5-8600K @ 3.60GHz	13,366	$258.00*
AMD Ryzen 5 1600X	13,181	$227.00
AMD Ryzen 5 1600	12,351	$209.97
Intel Core i7-7740X @ 4.30GHz	12,341	$329.99
Intel Core i7-7700K @ 4.20GHz	12,116	$319.00
Intel Core i7-6700K @ 4.00GHz	11,109	$339.99
Intel Core i7-5775C @ 3.30GHz	11,046	$392.81
Intel Core i5-8400 @ 2.80GHz	10,945	$255.12
Intel Core i7-5775R @ 3.30GHz	10,938	NA
Intel Core i7-7700 @ 3.60GHz	10,815	$281.49
AMD Ryzen 5 PRO 1500	10,784	NA
AMD Ryzen 5 PRO 1600	10,503	NA
AMD Ryzen 5 1500X	10,481	$178.00
Intel Core i7-6700 @ 3.40GHz	10,013	$309.00
Intel Core i3-8350K @ 4.00GHz	9,543	$197.98*
Intel Core i7-7700T @ 2.90GHz	9,349	$309.43
Intel Core i5-7640X @ 4.00GHz	9,337	$219.99
Intel Core i5-7600K @ 3.80GHz	9,243	$238.87
Intel Core i7-6700TE @ 2.40GHz	9,091	NA
Intel Core i7-6700T @ 2.80GHz	9,061	$292.00
Intel Core i5-7600 @ 3.50GHz	8,824	$219.99
AMD Ryzen 5 1400	8,434	$159.99
Intel Core i5-7600T @ 2.80GHz	8,263	$219.65
AMD Ryzen 3 PRO 1300	8,173	NA
Intel Core i7-5675C @ 3.10GHz	8,164	NA
Intel Core i5-5675C @ 3.10GHz	8,144	$289.99
Intel Core i5-7500 @ 3.40GHz	8,097	$187.98
Intel Core i5-5675R @ 3.10GHz	8,061	NA
Intel Core i5-6600K @ 3.50GHz	8,028	$239.99
Intel Core i5-6600 @ 3.30GHz	7,742	$234.39
Intel Core i5-6402P @ 2.80GHz	7,448	$189.99*
Intel Core i5-5575R @ 2.80GHz	7,434	NA
Intel Core i5-7400 @ 3.00GHz	7,413	$174.00
Intel Core i5-4670K CPT @ 3.40GHz	7,411	NA
AMD Ryzen 3 1300X	7,379	$129.99
Intel Core i5-6600T @ 2.70GHz	7,318	$472.40*
Intel Core i5-6500 @ 3.20GHz	7,226	$204.99
Intel Core i5-7500T @ 2.70GHz	7,203	$209.89
AMD Ryzen 3 PRO 1200	7,185	NA
Intel Core i7-4770TE @ 2.30GHz	7,065	NA
AMD Ryzen 3 1200	6,826	$109.87
Intel Core i3-7350K @ 4.20GHz	6,734	$146.76
Intel Core i5-6400 @ 2.70GHz	6,733	$189.52
Intel Core i5-7400T @ 2.40GHz	6,591	
Intel Core i3-7320 @ 4.10GHz	6,591	
Intel Core i5-6500TE @ 2.30GHz	6,483	
Intel Core i3-7300 @ 4.00GHz	6,481	
	6,392	

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Intel Core i5-4690T @ 2.50GHz		NA
Intel Core i3-8100 @ 3.60GHz	6,268	$119.99
AMD PRO A12-9800	6,199	$169.00*
Intel Core i5-6500T @ 2.50GHz	6,192	NA
AMD PRO A12-8870	6,177	NA
Intel Core i3-6320 @ 3.90GHz	6,051	$164.31
Intel Core i3-7100 @ 3.90GHz	5,851	$93.00
Intel Core i3-6300 @ 3.80GHz	5,851	$147.93
AMD PRO A10-8850B	5,848	NA
AMD A10-7890K	5,758	$182.07*
AMD PRO A10-9700	5,742	$169.00*
AMD PRO A10-8770	5,742	NA
AMD A12-9800	5,666	$94.00
AMD PRO A10-8750B	5,653	NA
AMD A10-8850	5,613	NA
Intel Core i5-6400T @ 2.20GHz	5,579	$159.99
AMD Athlon X4 880K	5,578	$87.15*
Intel Core i3-6098P @ 3.60GHz	5,568	$133.74*
AMD A10-9700	5,536	$89.99
AMD A12-9800E	5,506	$104.99
AMD A10-7870K	5,491	$173.89
AMD A8-8650	5,487	NA
Intel Core i3-6100 @ 3.70GHz	5,485	$109.12
AMD A10 PRO-7850B APU	5,480	NA
AMD PRO A8-8650B	5,457	NA
AMD Athlon X4 950	5,449	$57.89
AMD Athlon X4 845	5,420	$97.63
AMD A10 PRO-7800B APU	5,409	NA
Intel Core i3-7300T @ 3.50GHz	5,366	NA
AMD PRO A8-9600	5,342	$119.00*
Intel Pentium G4620 @ 3.70GHz	5,314	$108.23
AMD Athlon X4 870K	5,242	$82.01*
Intel Core i3-6300T @ 3.30GHz	5,229	$172.64
AMD FX-4330	5,196	NA
Intel Core i3-7100T @ 3.40GHz	5,179	NA
Intel Core i3-4170 @ 3.70GHz	5,177	$129.44
AMD A10-8750	5,167	NA
Intel Pentium G4600 @ 3.60GHz	5,143	$95.26
AMD A10-7860K	5,140	$96.99
AMD A8-9600	5,091	$69.99
AMD PRO A10-9700E	5,083	$139.00*
AMD A8-7670K	5,054	$107.99
AMD Athlon X4 840	5,049	$78.74*
AMD FX-4320	5,005	NA
Intel Pentium G4560 @ 3.50GHz	4,929	$109.82*
Intel Core i3-7101TE @ 3.40GHz	4,927	$117.00*
AMD A8-7650K	4,925	
AMD PRO A10-8770E	4,881	
AMD FX-770K Quad-Core	4,848	
Intel Core i3-6100T @ 3.20GHz	4,835	
	4,814	

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AMD PRO A12-8870E		NA
AMD PRO A12-9800E	4,812	$169.00*
Intel Core i3-4170T @ 3.20GHz	4,560	$165.00*
AMD Athlon X4 750 Quad Core	4,551	NA
AMD FirePro A320 APU	4,540	NA
Intel Core i3-6100TE @ 2.70GHz	4,334	NA
Intel Pentium G4600T @ 3.00GHz	4,328	NA
AMD Phenom II X4 B70	4,261	NA
Intel Pentium G4520 @ 3.60GHz	4,195	$91.77
Intel Pentium G4560T @ 2.90GHz	4,181	NA
Intel Core i7-7Y75 @ 1.30GHz	3,946	NA
Intel Core i3-2102 @ 3.10GHz	3,817	NA
Intel Pentium G4500 @ 3.50GHz	3,794	$71.42
Intel Pentium G3470 @ 3.60GHz	3,702	$104.29*
Intel Pentium G4400 @ 3.30GHz	3,590	$49.88
Intel Pentium G4500T @ 3.00GHz	3,471	NA
Intel Celeron G3920 @ 2.90GHz	3,412	$46.09
Intel Pentium G3260 @ 3.30GHz	3,381	$82.03
Intel Celeron G3950 @ 3.00GHz	3,334	NA
AMD PRO A6-9500	3,262	$74.00*
Intel Pentium G4400T @ 2.90GHz	3,243	NA
AMD A6-9500	3,219	$58.98
AMD Athlon II X4 638 Quad-Core	3,198	NA
AMD A6-8550	3,104	NA
Intel Pentium G3440T @ 2.80GHz	3,101	NA
Intel Celeron G3900 @ 2.80GHz	3,056	$41.29
AMD PRO A6-8570	3,049	NA
Intel Celeron G3930 @ 2.90GHz	3,044	NA
AMD PRO A6-8550B	3,042	NA
Intel Core i3-3250T @ 3.00GHz	3,021	NA
Intel Pentium G3250T @ 2.80GHz	2,970	$45.99*
Intel Pentium G3450T @ 2.90GHz	2,967	NA
Intel Pentium G3260T @ 2.90GHz	2,919	$97.99*
AMD PRO A6-8570E	2,906	NA
Intel Celeron G3900T @ 2.60GHz	2,902	NA
AMD PRO A4-8350B	2,881	NA
AMD Athlon 5370 APU	2,864	$63.70*
AMD A6-7470K	2,822	$75.43
AMD Phenom X4 Quad-Core GP-9730	2,812	NA
Intel Pentium G2100T @ 2.60GHz	2,802	NA
AMD A4 PRO-7350B	2,794	NA
AMD PRO A6-9500E	2,752	$74.00*
AMD A6 PRO-7400B	2,721	NA
AMD A6-6420B APU	2,612	NA
Intel Celeron G1840T @ 2.50GHz	2,605	NA
AMD A6-9230	2,486	NA
AMD A4 PRO-7300B APU	2,342	
Intel Pentium J4205 @ 1.50GHz	2,296	
Intel Celeron J3455 @ 1.50GHz	2,173	
Intel Celeron G1820TE @ 2.20GHz	2,132	
	1,994	

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AMD Phenom X4 Quad-Core GP-9530		NA
Intel Pentium J3710 @ 1.60GHz	1,986	NA
AMD Phenom II X2 570	1,960	NA
Intel Celeron J3160 @ 1.60GHz	1,803	NA
AMD Sempron X2 198 Dual-Core	1,413	NA
Intel Celeron J3355 @ 2.00GHz	1,328	NA
Intel Celeron J3060 @ 1.60GHz	959	NA
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