

CPU Benchmarks

Video Card Benchmarks

Hard Drive Benchmarks

RAM

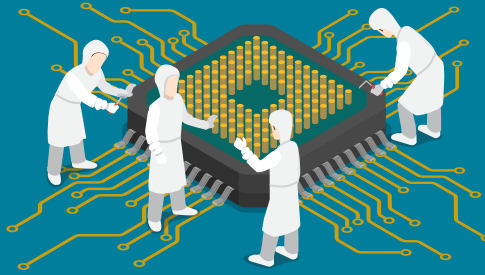
PC Systems

Android

iOS / iPhone

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.

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














CPU Mark | Price Performance | Sorted by Date

PassMark - CPU Mark

Laptop & Portable CPU Performance
Updated 21st of September 2020

CPU	CPU Mark	Price (USD)
AMD Ryzen 9 4900HS	19,865	NA
AMD Ryzen 9 4900H	19,635	NA
AMD Ryzen 7 4800H	19,426	NA
AMD Ryzen 7 4800HS	18,864	NA
AMD Ryzen 7 Extreme Edition	18,284	NA
AMD Ryzen 7 4800U	17,306	NA
Intel Core i9-10980HK @ 2.40GHz	17,288	\$583.00*
Intel Xeon W-10885M @ 2.40GHz	17,213	\$623.00*
Intel Core i9-10885H @ 2.40GHz	16,305	\$556.00*
Intel Core i7-10875H @ 2.30GHz	15,919	\$450.00*
AMD Ryzen 7 PRO 4750U	15,690	NA

- Systems with Multiple CPUs
- Overclocked
- Power Performance
- CPU Mark by Socket Type
- Cross-Platform CPU Performance
-  CPU Mega List
Search Model
-  Compare 0
-  Common
Most Benchmarked
-  AMD vs Intel Market Share
Year on Year Performance






























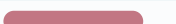

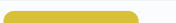





Intel Xeon E-2286M @ 2.40GHz		15,502	\$623.00*
Intel Core i9-9980HK @ 2.40GHz		15,349	\$583.00*
Intel Core i9-10880H @ 2.30GHz		15,137	NA
AMD Ryzen 5 4600H		15,029	NA
AMD Ryzen 5 4600HS		14,925	NA
AMD Ryzen 5 4600U		14,471	NA
Intel Core i9-9880H @ 2.30GHz		14,147	\$556.00*
AMD Ryzen 7 4700U		13,888	NA
Intel Xeon W-10855M @ 2.80GHz		13,412	\$450.00*
Intel Core i7-1165G7 @ 2.80GHz		13,190	\$426.00*
AMD Ryzen 5 PRO 4650U		13,145	NA
Intel Core i7-10850H @ 2.70GHz		13,127	\$395.00*
Intel Core i7-10750H @ 2.60GHz		12,747	NA
Intel Xeon E-2276M @ 2.80GHz		12,330	\$450.00*
Intel Core i7-8700B @ 3.20GHz		12,286	\$303.00*
AMD Ryzen 5 PRO 4500U		12,049	NA
Intel Xeon E-2186M @ 2.90GHz		11,854	\$623.00*
Intel Core i7-9750HF @ 2.60GHz		11,774	\$395.00*
Intel Core i7-9850H @ 2.60GHz		11,644	\$395.00*
Intel Core i7-9750H @ 2.60GHz		11,397	\$395.00*
AMD Ryzen 5 4500U		11,247	NA
Intel Core i9-8950HK @ 2.90GHz		10,771	\$583.00*
Intel Core i7-1068NG7 @ 2.30GHz		10,689	\$426.00*
Intel Core i7-9700TE @ 1.80GHz		10,680	\$323.00*
Intel Core i5-1135G7 @ 2.40GHz		10,537	\$309.00*
Intel Core i7-8850H @ 2.60GHz		10,522	\$395.00*
Intel Xeon E-2176M @ 2.70GHz		10,504	\$450.00*
Intel Core i7-1185G7 @ 3.00GHz		10,354	\$426.00*
Intel Core i7-8750H @ 2.20GHz		10,200	\$395.00*
AMD Ryzen 3 PRO 4450U		10,078	NA
Intel Core i7-10710U @ 1.10GHz		9,998	\$596.92
Intel Core i5-1038NG7 @ 2.00GHz		9,907	\$320.00*
Intel Core i5-9400F @ 2.90GHz		9,591	\$147.66
Intel Core i5-8500B @ 3.00GHz		9,538	\$192.00*
Intel Core i7-10810U @ 1.10GHz		9,359	\$443.00*
Intel Core i7-8569U @ 2.80GHz		9,251	\$431.00*
Intel Core i5-9500TE @ 2.20GHz		9,212	\$192.00*
Intel Core i7-9850HL @ 1.90GHz		9,112	\$395.00*
Intel Core i7-1065G7 @ 1.30GHz		9,013	\$426.00*
Intel Core i5-10300H @ 2.50GHz		8,922	\$250.00*
Intel Core i5-10400H @ 2.60GHz		8,911	\$250.00*
Intel Core i7-8559U @ 2.70GHz		8,877	\$849.00
Intel Core i7-8809G @ 3.10GHz		8,774	NA



OSZCZĘDŹ DO 1000 ZŁ
LETNIA WYPRZEDAŻ

*Dotyczy wybranych produktów Acer z Procesory Intel® Core™



Intel Core i5-1035G7 @ 1.20GHz		8,495	\$320.00*
AMD Ryzen 7 3750H		8,420	NA
Intel Core i5-8259U @ 2.30GHz		8,280	\$669.99*
Intel Core i5-1035G4 @ 1.10GHz		8,208	\$309.00*
Intel Core i5-9400H @ 2.50GHz		8,202	\$250.00*
Intel Core i5-8257U @ 1.40GHz		8,182	\$320.00*
Intel Core i5-8400H @ 2.50GHz		8,146	\$250.00*
Intel Core i7-8706G @ 3.10GHz		8,136	NA
AMD Ryzen 5 3550H		8,123	NA
AMD Ryzen Embedded V1807B		8,095	NA
AMD Ryzen 5 3580U		8,065	NA
Intel Core i5-9300H @ 2.40GHz		8,012	\$250.00*
Intel Core i5-1035G1 @ 1.00GHz		7,990	\$297.00*
Intel Core i7-8705G @ 3.10GHz		7,974	\$1,548.81*
Intel Core i7-8709G @ 3.10GHz		7,921	NA
Intel Core i5-8279U @ 2.40GHz		7,917	\$320.00*
AMD Ryzen 3 4300U		7,846	NA
Intel Core i7-8557U @ 1.70GHz		7,820	\$431.00*
Intel Core i5-8260U @ 1.60GHz		7,776	\$297.00*
Intel Core i5-9300HF @ 2.40GHz		7,731	\$250.00*
AMD Ryzen 7 2800H		7,656	NA
Intel Core i3-10100T @ 3.00GHz		7,589	\$122.00*
Intel Core i5-8300H @ 2.30GHz		7,539	\$250.00*
AMD Ryzen 5 2600H		7,537	NA
AMD Ryzen 7 3700U		7,384	NA
AMD Ryzen 7 PRO 3700U		7,345	NA
Intel Core i7-10610U @ 1.80GHz		7,290	\$409.00*
AMD Ryzen 7 PRO 2700U		7,242	NA
Intel Core i5-8305G @ 2.80GHz		7,231	NA
AMD Ryzen 3 PRO 3200GE		7,210	NA
AMD Ryzen 7 3780U		7,203	NA
AMD Ryzen 5 3500U		7,146	NA
Intel Core i7-10510U @ 1.80GHz		7,104	\$409.00*
Intel Core i7-7820EQ @ 3.00GHz		7,059	\$378.00*
Intel Core i7-5850EQ @ 2.70GHz		7,036	\$435.00*
AMD Ryzen 5 PRO 3500U		6,970	NA
Intel Core i3-8100B @ 3.60GHz		6,829	\$133.00*
Intel Core i5-10310U @ 1.70GHz		6,722	\$297.00*
AMD Ryzen 5 2500U		6,626	NA
AMD Ryzen Embedded V1605B		6,620	NA
Intel Xeon E3-1268L v5 @ 2.40GHz		6,600	\$456.54*
AMD Ryzen 7 2700U		6,595	NA
Intel Core i7-8665U @ 1.90GHz		6,587	\$685.75

Intel Core i7-8665UE @ 1.70GHz		6,587	\$409.00*
Intel Core i7-8565U @ 1.80GHz		6,517	NA
Intel Core i5-10210U @ 1.60GHz		6,482	\$519.00
Intel Core i5-8365U @ 1.60GHz		6,412	\$629.95
Intel Core i5-8350U @ 1.70GHz		6,383	\$297.00*
AMD Ryzen 5 PRO 2500U		6,294	NA
Intel Core i5-8265U @ 1.60GHz		6,264	\$297.00*
Intel Core i7-1060NG7 @ 1.20GHz		6,234	NA
Intel Core i7-8565UC @ 1.80GHz		6,187	NA
AMD Ryzen 3 PRO 3300U		6,007	NA
Intel Core i5-8265UC @ 1.60GHz		5,988	NA
AMD Ryzen 3 PRO 2300U		5,873	NA
AMD Ryzen 3 3300U		5,871	NA
Intel Core i7-10510Y @ 1.20GHz		5,523	\$403.00*
Intel Core i5-1030NG7 @ 1.10GHz		5,331	NA
AMD Ryzen 3 2300U		5,301	NA
Intel Core i3-1005G1 @ 1.20GHz		5,247	\$281.00*
Intel Core i5-8365UE @ 1.60GHz		5,243	\$297.00*
Intel Core i5-10210Y @ 1.00GHz		4,918	NA
Intel Core i5-7442EQ @ 2.10GHz		4,834	\$250.00*
Intel Core i5-6442EQ @ 1.90GHz		4,519	\$250.00*
AMD Athlon 220GE		4,505	\$85.18
Intel Core i3-8109U @ 3.00GHz		4,384	\$614.00
AMD Ryzen 3 3250U		4,347	NA
Intel Core i3-8121U @ 2.20GHz		4,340	\$294.99
Intel Core i3-1000NG4 @ 1.10GHz		4,326	NA
AMD Ryzen Embedded R1505G		4,280	NA
AMD Athlon Gold 3150U		4,197	NA
Intel Core i5-7287U @ 3.30GHz		4,149	NA
Intel Core i3-8145UE @ 2.20GHz		4,140	\$281.00*
AMD Athlon 300U		4,113	NA
Intel Core i3-10110U @ 2.10GHz		4,110	\$429.95
AMD Ryzen 3 3200U		4,098	NA
AMD Ryzen Embedded V1202B		3,734	NA
Intel Core i3-8145U @ 2.10GHz		3,715	\$281.00*
Intel Core i3-8130U @ 2.20GHz		3,648	\$281.00*
Intel Core i3-10110Y @ 1.00GHz		3,639	\$287.00*
AMD Ryzen 3 2200U		3,605	NA
AMD A8-7680		3,558	\$50.08*
Intel Core i3-7167U @ 2.80GHz		3,489	NA
Intel Core i3-7100H @ 3.00GHz		3,460	\$225.00*
AMD Embedded R-Series RX-418GD Radeon R6		3,426	NA
Intel Core i5-6287U @ 3.10GHz		3,378	\$304.00*

AMD Athlon Silver 3050U		3,233	NA
Intel Core i7-8500Y @ 1.50GHz		3,189	\$393.00*
Intel Core i5-L16G7 @ 1.40GHz		3,164	\$281.00*
Intel Core m3-8100Y @ 1.10GHz		3,036	\$281.00*
Intel Core i3-7130U @ 2.70GHz		2,995	\$459.99*
Intel Core i5-8210Y @ 1.60GHz		2,905	NA
AMD 3020e		2,719	NA
AMD A6-9400		2,717	NA
AMD 3015e		2,678	NA
AMD PRO A10-9700B		2,626	NA
Intel Pentium Silver N5000 @ 1.10GHz		2,594	\$161.00*
Intel Pentium Silver N5030 @ 1.10GHz		2,564	NA
Intel Core i3-7020U @ 2.30GHz		2,550	\$281.00*
Intel Core i3-7102E @ 2.10GHz		2,521	\$225.00*
Intel Celeron N4100 @ 1.10GHz		2,480	\$107.00*
Intel Celeron N4120 @ 1.10GHz		2,440	NA
Intel Pentium 6405U @ 2.40GHz		2,430	\$161.00*
Intel Core i3-6102E @ 1.90GHz		2,349	\$225.00*
Intel Pentium 5405U @ 2.30GHz		2,332	\$161.00*
Intel Core i5-8200Y @ 1.30GHz		2,308	\$291.00*
Intel Pentium 4417U @ 2.30GHz		2,267	\$161.00*
Intel Pentium G4400TE @ 2.40GHz		2,190	\$64.00*
Intel Celeron G3900TE @ 2.30GHz		1,967	\$42.00*
Intel Celeron 4305UE @ 2.00GHz		1,950	NA
Intel Atom E3940 @ 1.60GHz		1,940	NA
Intel Core i5-4422E @ 1.80GHz		1,907	\$266.00*
Intel Core i5-4230U @ 1.90GHz		1,853	NA
AMD GX-420MC SOC		1,796	NA
Intel Celeron 3965U @ 2.20GHz		1,786	\$107.00*
Intel Celeron N4020 @ 1.10GHz		1,705	NA
AMD PRO A6-7350B		1,679	NA
Intel Pentium 4415Y @ 1.60GHz		1,649	\$161.00*
Intel Celeron N4000C @ 1.10GHz		1,579	NA
AMD A9-9425		1,555	NA
Intel Pentium 4425Y @ 1.70GHz		1,544	\$161.00*
Intel Celeron 3867U @ 1.80GHz		1,467	\$107.00*
Intel Celeron N4000 @ 1.10GHz		1,464	\$107.00*
Intel Celeron 5205U @ 1.90GHz		1,451	\$107.00*
Intel Pentium 4410Y @ 1.50GHz		1,387	\$161.00*
Intel Atom C2538 @ 2.40GHz		1,356	\$104.00*
AMD A6-9225		1,350	NA
Intel Atom T5700 @ 1.70GHz		1,326	NA

AMD A4-9125		1,280	NA
Intel Celeron 1020M @ 2.10GHz		1,275	NA
AMD A6-9220C		1,273	NA
AMD Embedded G-Series GX-224IJ Radeon R4E		1,271	NA
Intel Pentium A1020 @ 2.41GHz		1,265	NA
AMD A4-9120		1,255	NA
Intel Celeron 4205U @ 1.80GHz		1,251	\$107.00*
Intel Celeron 3965Y @ 1.50GHz		1,220	\$107.00*
AMD R-272F APU		1,215	NA
AMD A9-9420e		1,166	NA
Intel Celeron 2002E @ 1.50GHz		1,091	\$86.00*
AMD A6-9200		1,076	NA
AMD PRO A4-4350B		1,064	NA
AMD A6-9220e		1,017	NA
AMD A4-9120C		937	NA
AMD A4-9120e		831	NA
AMD G-T40R		120	NA
VIA Eden 1000MHz		80	NA

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