

CPU Benchmarks

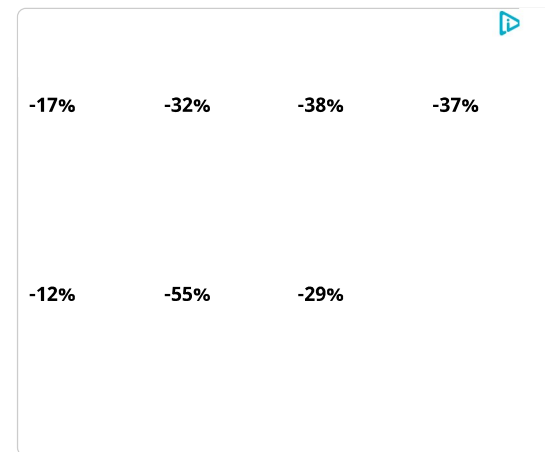
Over 1,000,000 CPUs Benchmarked

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.





CPU

CPU Mark	Price Performance	Sorted by Date
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High End

Laptop & Portable CPU Performance

Updated 12th of October 2021

High Mid Range

Low Mid Range

Low End

CPU	CPU Mark	Price (USD)
Intel Xeon W-11955M @ 2.60GHz	23,939	\$623.00*
AMD Ryzen 9 5900HX	23,491	NA
Intel Core i9-11980HK @ 2.60GHz	23,473	\$583.00*
Intel Core i9-11950H @ 2.60GHz	23,030	\$556.00*
AMD Ryzen 9 5980HS	22,818	NA
AMD Ryzen 9 5900HS	22,525	NA
Intel Core i9-11900H @ 2.50GHz	22,255	\$546.00*
Intel Core i7-11850H @ 2.50GHz	21,764	\$395.00*
Intel Core i7-11800H @ 2.30GHz	21,662	\$395.00*
AMD Ryzen 7 5800H	21,637	NA
AMD Ryzen 7 5800HS	20,897	NA
AMD Ryzen 9 4900HS	19,589	NA
AMD Ryzen 7 5800U	19,379	NA
AMD Ryzen 7 4800H	19,160	NA
Intel Xeon W-11855M @ 3.20GHz	19,121	\$450.00*
AMD Ryzen 7 PRO 5850U	19,074	NA
AMD Ryzen 9 4900H	18,998	NA
AMD Ryzen 7 4800HS	18,962	NA



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		AMD Ryzen 7 Extreme Edition	18,187	NA
		Intel Core i5-11500H @ 2.90GHz	17,515	\$250.00*
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 Compare ⁰		Intel Core i9-10980HK @ 2.40GHz	16,585	\$583.00*
		AMD Ryzen 7 5700U	16,465	NA
		AMD Ryzen 5 PRO 5650U	16,359	NA
 Common		Intel Core i7-10700TE @ 2.00GHz	16,332	\$330.00*
Most Benchmarked		Intel Xeon W-10885M @ 2.40GHz	15,987	\$623.00*
		Intel Core i9-10885H @ 2.40GHz	15,928	\$556.00*
 AMD vs Intel Market Share		AMD Ryzen 5 5600U	15,855	NA
Year on Year Performance		Intel Xeon E-2286M @ 2.40GHz	15,809	\$1,373.18*
		Intel Core i5-11400H @ 2.70GHz	15,795	\$250.00*
		Intel Core i7-10875H @ 2.30GHz	15,598	\$450.00*
		AMD Ryzen 7 PRO 4750U	15,552	NA
		Intel Core i9-10880H @ 2.30GHz	15,390	NA
		Intel Core i7-10870H @ 2.20GHz	15,383	\$417.00*
		Apple M1 8 Core 3200 MHz	15,147	NA
		Intel Core i9-9980HK @ 2.40GHz	14,957	\$583.00*
		AMD Ryzen 5 PRO 4400GE	14,795	NA
		AMD Ryzen 5 4600H	14,786	NA
		AMD Ryzen 5 4600HS	14,691	NA
		Intel Core i7-1195G7 @ 2.90GHz	14,179	\$426.00*
		Intel Core i5-11260H @ 2.60GHz	14,133	\$250.00*
		Intel Core i9-9880H @ 2.30GHz	14,100	\$556.00*

AMD Ryzen 7 4700U	13,733	NA
AMD Ryzen 5 4600U	13,683	NA

CPU Benchmarks

Video Card Benchmarks

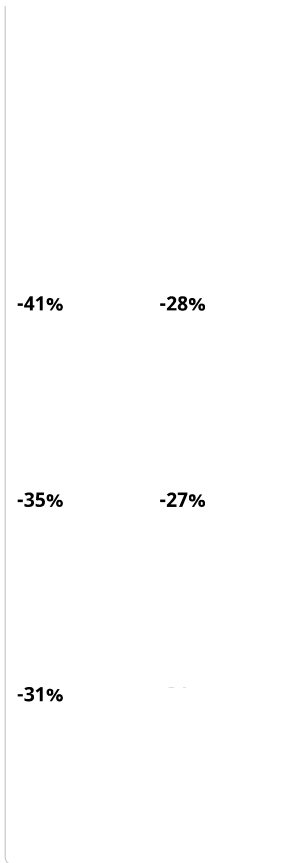
Hard Drive Benchmarks

RAM

PC Systems

Android

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AMD Ryzen 5 PRO 4650U	12,983	NA
Intel Core i7-8700B @ 3.20GHz	12,642	\$303.00*
Intel Core i7-10750H @ 2.60GHz	12,509	NA
Intel Core i7-11370H @ 3.30GHz	12,399	\$426.00*
Intel Core i7-11375H @ 3.30GHz	12,391	\$482.00*
Intel Core i5-10500H @ 2.50GHz	12,211	\$250.00*
Intel Core i7-10850H @ 2.70GHz	12,147	\$395.00*
AMD Ryzen 3 5400U	12,110	NA
Intel Xeon E-2276M @ 2.80GHz	12,069	\$450.00*
AMD Ryzen 5 PRO 4500U	12,049	NA
AMD Ryzen 3 PRO 5450U	12,047	NA
Intel Core i7-1185G7E @ 2.80GHz	11,645	\$431.00*
Intel Core i7-9750HF @ 2.60GHz	11,591	\$395.00*
Intel Core i7-9850H @ 2.60GHz	11,591	\$1,305.76*
Intel Core i5-11300H @ 3.10GHz	11,395	\$309.00*
Intel Core i7-9750H @ 2.60GHz	11,270	\$960.00*
AMD Ryzen 5 4500U	11,216	NA
AMD Ryzen 3 PRO 4200GE	11,006	NA
Intel Core i7-1160G7 @ 1.20GHz	10,981	\$426.00*
Intel Core i7-1185G7 @ 3.00GHz	10,920	\$426.00*
Intel Core i5-1145G7 @ 2.60GHz	10,787	NA

Intel Core i7-9700TE @ 1.80GHz	10,722	\$323.00*
Intel Core i7-1165G7 @ 2.80GHz	10,676	\$426.00*

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Intel Core i5-1135G7 @ 2.40GHz	10,132	\$309.00*
AMD Ryzen 3 5300U	10,124	NA
AMD Ryzen 3 PRO 4450U	10,099	NA
Intel Core i7-10710U @ 1.10GHz	10,067	\$644.99*
Intel Core i3-1125G4 @ 2.00GHz	10,057	NA
Intel Core i5-1038NG7 @ 2.00GHz	9,769	\$320.00*
Intel Core i5-9400F @ 2.90GHz	9,547	\$170.73
Intel Core i5-8500B @ 3.00GHz	9,416	\$192.00*
Intel Core i5-9500TE @ 2.20GHz	9,212	\$192.00*
Intel Core i7-9850HL @ 1.90GHz	9,112	\$395.00*
Intel Core i5-10400H @ 2.60GHz	8,918	\$250.00*
Intel Core i7-1065G7 @ 1.30GHz	8,817	\$426.00*
Intel Core i7-10810U @ 1.10GHz	8,791	\$443.00*
Intel Core i5-10300H @ 2.50GHz	8,763	\$250.00*
Intel Core i7-8569U @ 2.80GHz	8,566	\$431.00*
Intel Core i5-10200H @ 2.40GHz	8,462	\$250.00*
Intel Core i5-1035G7 @ 1.20GHz	8,409	\$320.00*
AMD Ryzen 7 3750H	8,347	NA
Intel Core i5-1035G4 @ 1.10GHz	8,280	\$309.00*
Intel Core i5-9400H @ 2.50GHz	8,267	\$250.00*
Intel Core i7-8557U @ 1.70GHz	8,146	\$431.00*

AMD Ryzen 5 3550H	8,070	NA
AMD Ryzen 3 4300U	8,057	NA

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AMD Ryzen 5 3500U	7,924	NA
Intel Core i7-8709G @ 3.10GHz	7,921	NA
Intel Core i5-8260U @ 1.60GHz	7,869	\$439.99*
Intel Core i5-1035G1 @ 1.00GHz	7,842	\$297.00*
Intel Core i5-9300H @ 2.40GHz	7,841	\$250.00*
AMD Ryzen 5 3580U	7,797	NA
Intel Core i5-8257U @ 1.40GHz	7,668	\$320.00*
Intel Core i5-9300HF @ 2.40GHz	7,658	\$250.00*
AMD Ryzen 7 2800H	7,656	NA
AMD Ryzen 5 2600H	7,537	NA
Intel Core i7-7820EQ @ 3.00GHz	7,453	\$378.00*
Intel Core i3-10100T @ 3.00GHz	7,434	\$122.00*
AMD Ryzen 7 3780U	7,368	NA
AMD Ryzen 7 3700U	7,356	NA
Intel Core i7-1060NG7 @ 1.20GHz	7,316	NA
AMD Ryzen 7 PRO 3700U	7,311	NA
Intel Core i7-10610U @ 1.80GHz	7,105	\$409.00*
AMD Ryzen 3 PRO 3200GE	7,071	NA
Intel Core i7-5850EQ @ 2.70GHz	7,036	\$435.00*
AMD Ryzen 5 PRO 3500U	6,911	NA
Intel Core i7-10510U @ 1.80GHz	6,888	\$409.00*

AMD Ryzen 5 3450U	6,816	NA
Intel Core i5-10210U @ 1.60GHz	6,743	\$702.62*

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Intel Core i7-8665U @ 1.90GHz	6,509	\$704.49*
Intel Core i3-1115G4 @ 3.00GHz	6,465	\$281.00*
Intel Core i5-8365U @ 1.60GHz	6,403	\$539.07*
Intel Core i3-8100B @ 3.60GHz	6,302	\$133.00*
Intel Core i5-1030NG7 @ 1.10GHz	6,245	NA
Intel Core i7-8565UC @ 1.80GHz	6,187	NA
AMD Ryzen 3 PRO 3300U	5,991	NA
Intel Core i5-8265UC @ 1.60GHz	5,988	NA
AMD Ryzen 3 3300U	5,850	NA
AMD Ryzen 3 3350U	5,849	NA
Intel Core i5-7440EQ @ 2.90GHz	5,711	\$250.00*
Intel Core i5-8365UE @ 1.60GHz	5,555	\$297.00*
Intel Pentium Gold 7505 @ 2.00GHz	5,414	NA
Intel Core i7-10510Y @ 1.20GHz	5,289	\$403.00*
Intel Core i3-1005G1 @ 1.20GHz	5,253	\$281.00*
Intel Core i5-10210Y @ 1.00GHz	4,836	NA
Intel Core i5-7442EQ @ 2.10GHz	4,834	\$250.00*
Intel Pentium 6805 @ 1.10GHz	4,735	\$161.00*
AMD Athlon Silver 3050GE	4,545	NA
AMD Athlon 220GE	4,538	\$123.73
Intel Core i5-6442EQ @ 1.90GHz	4,519	\$250.00*

Intel Core i3-9100TE @ 2.20GHz	4,501	\$122.00*
AMD Athlon Gold 3150U	4,385	NA

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Intel Core i5-6350HQ @ 2.30GHz	4,255	\$306.00*
Intel Core i3-8145UE @ 2.20GHz	4,133	\$281.00*
AMD Ryzen 3 3250U	4,113	NA
Intel Pentium Silver N6005 @ 2.00GHz	4,109	NA
Intel Core i3-10110U @ 2.10GHz	4,053	\$434.17*
Intel Core i3-1000NG4 @ 1.10GHz	4,051	NA
AMD Athlon 300U	4,006	NA
Microsoft ARM SQ1 @ 3.0 GHz	3,970	NA
AMD Ryzen Embedded R1505G	3,966	NA
AMD Ryzen 3 3200U	3,945	NA
Intel Core i3-8145U @ 2.10GHz	3,825	\$281.00*
AMD Ryzen Embedded V1202B	3,823	NA
AMD A8-7680	3,568	\$50.08*
Intel Core i3-7167U @ 2.80GHz	3,489	NA
Intel Core i3-10110Y @ 1.00GHz	3,444	\$287.00*
Intel Core i5-L16G7 @ 1.40GHz	3,418	\$281.00*
AMD Ryzen Embedded R1305G	3,329	NA
AMD Athlon Silver 3050U	3,130	NA
Intel Core m3-8100Y @ 1.10GHz	3,009	\$281.00*
Intel Core i7-8500Y @ 1.50GHz	2,888	\$393.00*
Intel Core i5-8210Y @ 1.60GHz	2,864	NA

AMD Athlon Silver 3050e	2,856	NA
AMD A6-9400	2,717	NA

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Intel Celeron N5100 @ 1.10GHz	2,636	NA
AMD 3020e	2,589	NA
Intel Core i3-7102E @ 2.10GHz	2,521	\$225.00*
Intel Celeron N4120 @ 1.10GHz	2,481	NA
Intel Pentium 6405U @ 2.40GHz	2,360	\$161.00*
Intel Core i3-6102E @ 1.90GHz	2,349	\$225.00*
Intel Core i5-8200Y @ 1.30GHz	2,308	\$291.00*
Intel Pentium 5405U @ 2.30GHz	2,280	\$161.00*
Intel Celeron 6305 @ 1.80GHz	2,259	NA
Intel Pentium 4417U @ 2.30GHz	2,233	\$161.00*
Intel Celeron 4305UE @ 2.00GHz	1,950	NA
AMD GX-420MC SOC	1,796	NA
Intel Pentium 4425Y @ 1.70GHz	1,688	\$161.00*
Intel Celeron N4000C @ 1.10GHz	1,611	NA
Intel Celeron N4020 @ 1.10GHz	1,589	NA
Intel Celeron 3867U @ 1.80GHz	1,481	\$107.00*
Intel Celeron 5205U @ 1.90GHz	1,368	\$107.00*
Intel Celeron 4205U @ 1.80GHz	1,321	\$107.00*
Intel Celeron 1020M @ 2.10GHz	1,275	NA
Intel Pentium A1020 @ 2.41GHz	1,265	NA
AMD R-272F APU	1,215	NA

AMD A4-9125	1,213	NA
AMD A6-9220C	1,163	NA

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AMD A4-9120e	924	NA
AMD A4-9120C	810	NA

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