

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.

- [Home](#) **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](#)
- [Systems with Multiple CPUs](#)
- [Overclocked](#)
- [Power Performance](#)
- [CPU Mark by Socket Type](#)
- [Cross-Platform CPU Performance](#)
- [CPU Mega List](#)
- [Search Model](#)

CPU Mark
Price Performance
Sorted by Date

PassMark - CPU Mark

Laptop & Portable CPU Performance
Updated 19th of October 2021

CPU	CPU Mark	Price (USD)
Intel Xeon W-11955M @ 2.60GHz	24,013	\$623.00*
AMD Ryzen 9 5900HX	23,519	NA
Intel Core i9-11980HK @ 2.60GHz	23,473	\$583.00*
Intel Core i9-11950H @ 2.60GHz	22,808	\$556.00*
AMD Ryzen 9 5900HS	22,528	NA
AMD Ryzen 9 5980HS	22,499	NA
Intel Core i9-11900H @ 2.50GHz	22,282	\$546.00*
Intel Core i7-11800H @ 2.30GHz	21,639	\$395.00*
AMD Ryzen 7 5800H	21,621	NA
Intel Core i7-11850H @ 2.50GHz	21,598	\$395.00*
AMD Ryzen 7 5800HS	20,897	NA
AMD Ryzen 9 4900HS	19,575	NA
AMD Ryzen 7 5800U	19,378	NA
AMD Ryzen 9 4900H	19,289	NA
AMD Ryzen 7 4800H	19,164	NA
Intel Xeon W-11855M @ 3.20GHz	19,121	\$450.00*
AMD Ryzen 7 4800HS	18,945	NA
AMD Ryzen 7 PRO 5850U	18,789	NA
AMD Ryzen 7 Extreme Edition	18,187	NA
Intel Core i5-11500H @ 2.90GHz	17,472	\$250.00*
AMD Ryzen 5 5600H	17,433	NA
AMD Ryzen 7 4800U	17,220	NA


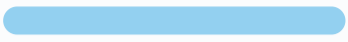
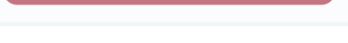

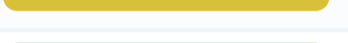









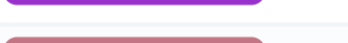


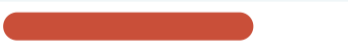



CPU Benchmarks

Most Benchmarked

AMD vs Intel Market Share

Year on Year

Performance

Intel Core i9-10980HK @ 2.40GHz		16,572	\$583.00*
Intel Core i7-10700TE @ 2.00GHz		16,332	\$330.00*
Intel Xeon W-10885M @ 2.40GHz		15,987	\$623.00*
AMD Ryzen 5 5600U		15,986	NA
Intel Core i5-11400H @ 2.70GHz		15,969	\$250.00*
Intel Core i9-10885H @ 2.40GHz		15,909	\$556.00*
Intel Xeon E-2286M @ 2.40GHz		15,809	\$1,373.18*
Intel Core i7-10875H @ 2.30GHz		15,592	\$450.00*
AMD Ryzen 7 PRO 4750U		15,551	NA
Intel Core i9-10880H @ 2.30GHz		15,390	NA
Intel Core i7-10870H @ 2.20GHz		15,379	\$417.00*
Apple M1 8 Core 3200 MHz		15,148	NA
Intel Core i9-9980HK @ 2.40GHz		14,970	\$583.00*
AMD Ryzen 5 PRO 4400GE		14,795	NA
AMD Ryzen 5 4600H		14,793	NA
AMD Ryzen 5 4600HS		14,666	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		14,095	\$556.00*
AMD Ryzen 7 4700U		13,734	NA
AMD Ryzen 5 4600U		13,683	NA
AMD Ryzen 5 5500U		13,283	NA
Intel Xeon W-10855M @ 2.80GHz		13,053	\$450.00*
AMD Ryzen 5 PRO 4650U		13,004	NA
Intel Core i7-8700B @ 3.20GHz		12,642	\$303.00*
Intel Core i7-10750H @ 2.60GHz		12,505	NA
Intel Core i7-11370H @ 3.30GHz		12,407	\$426.00*
Intel Core i7-11375H @ 3.30GHz		12,329	\$482.00*
Intel Core i5-10500H @ 2.50GHz		12,229	\$250.00*
Intel Core i7-10850H @ 2.70GHz		12,160	\$395.00*
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 i7-9850H @ 2.60GHz		11,592	\$1,305.76*
Intel Core i7-9750HF @ 2.60GHz		11,591	\$395.00*
Intel Core i5-11300H @ 3.10GHz		11,419	\$309.00*
Intel Core i7-9750H @ 2.60GHz		11,264	\$960.00*
AMD Ryzen 5 4500U		11,214	NA
AMD Ryzen 3 5400U		11,145	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		10,796	NA
Intel Core i7-9700TE @ 1.80GHz		10,722	\$323.00*
Intel Core i7-1165G7 @ 2.80GHz		10,669	\$426.00*
Intel Core i5-1130G7 @ 1.10GHz		10,540	\$309.00*

🏠 CPU Benchmarks ▼

Intel Core i7-1068NG7 @ 2.30GHz		10,347	\$426.00*
Intel Core i5-1135G7 @ 2.40GHz		10,149	\$309.00*
Intel Core i3-1125G4 @ 2.00GHz		10,063	NA
Intel Core i5-1038NG7 @ 2.00GHz		9,758	\$320.00*
Intel Core i5-9400F @ 2.90GHz		9,546	\$169.97
Intel Core i5-8500B @ 3.00GHz		9,400	\$192.00*
AMD Ryzen 3 5300U		9,298	NA
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		8,811	\$426.00*
Intel Core i5-10300H @ 2.50GHz		8,764	\$250.00*
Intel Core i7-10810U @ 1.10GHz		8,649	\$443.00*
Intel Core i7-8569U @ 2.80GHz		8,566	\$431.00*
Intel Core i5-10200H @ 2.40GHz		8,482	\$250.00*
Intel Core i5-1035G7 @ 1.20GHz		8,380	\$320.00*
AMD Ryzen 7 3750H		8,335	NA
Intel Core i5-1035G4 @ 1.10GHz		8,286	\$309.00*
Intel Core i5-9400H @ 2.50GHz		8,257	\$250.00*
Intel Core i7-8557U @ 1.70GHz		8,146	\$431.00*
AMD Ryzen 5 3550H		8,063	NA
Intel Core i5-8269U @ 2.60GHz		8,055	\$320.00*
AMD Ryzen 3 4300U		8,054	NA
Intel Core i5-8279U @ 2.40GHz		8,017	\$320.00*
AMD Ryzen 5 3500U		7,923	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		7,838	\$297.00*
Intel Core i5-9300H @ 2.40GHz		7,838	\$250.00*
AMD Ryzen 5 3580U		7,797	NA
Intel Core i5-8257U @ 1.40GHz		7,663	\$320.00*
Intel Core i5-9300HF @ 2.40GHz		7,662	\$250.00*
AMD Ryzen 7 2800H		7,656	NA
AMD Ryzen 7 3780U		7,549	NA
AMD Ryzen 5 2600H		7,537	NA
Intel Core i3-10100T @ 3.00GHz		7,483	\$122.00*
Intel Core i7-7820EQ @ 3.00GHz		7,453	\$378.00*
AMD Ryzen 7 3700U		7,359	NA
Intel Core i7-1060NG7 @ 1.20GHz		7,316	NA
AMD Ryzen 7 PRO 3700U		7,311	NA
Intel Core i7-10610U @ 1.80GHz		7,086	\$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		6,885	\$409.00*
AMD Ryzen 5 3450U		6,832	NA
Intel Core i5-10210U @ 1.60GHz		6,743	\$702.62*
Intel Core i5-10310U @ 1.70GHz		6,684	\$297.00*

🏠 CPU Benchmarks ▼

Intel Core i7-8665UE @ 1.70GHz		6,587	\$409.00*
Intel Core i7-8665U @ 1.90GHz		6,509	\$704.49*
Intel Core i7-8665U @ 1.90GHz		5,755	\$669.00*
Intel Core i3-8100B @ 3.60GHz		6,317	\$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		5,252	\$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		4,384	NA
Intel Core i3-8121U @ 2.20GHz		4,369	\$290.00*
Intel Core i5-6350HQ @ 2.30GHz		4,255	\$306.00*
Intel Core i3-8145UE @ 2.20GHz		4,133	\$281.00*
Intel Pentium Silver N6005 @ 2.00GHz		4,109	NA
AMD Ryzen 3 3250U		4,107	NA
Intel Core i3-10110U @ 2.10GHz		4,053	\$434.17*
AMD Athlon 300U		4,006	NA
Microsoft ARM SQ1 @ 3.0 GHz		3,983	NA
AMD Ryzen Embedded R1505G		3,966	NA
AMD Ryzen 3 3200U		3,946	NA
Intel Core i3-1000NG4 @ 1.10GHz		3,910	NA
Intel Core i3-8145U @ 2.10GHz		3,828	\$281.00*
AMD Ryzen Embedded V1202B		3,823	NA
AMD A8-7680		3,568	\$50.08*
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
Intel Core i3-7167U @ 2.80GHz		3,280	NA
AMD Athlon Silver 3050U		3,133	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		2,861	NA
AMD Athlon Silver 3050e		2,856	NA
AMD A6-9400		2,717	NA
AMD 3015e		2,674	NA
Intel Pentium Silver N5030 @		2,660	NA

1.10GHz	4,000	NA
AMD 3020e	2,591	NA

[Home](#) **CPU Benchmarks** ▼

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	2,282	\$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
AMD PRO A4-4350B	1,093	NA
Intel Celeron 2002E @ 1.50GHz	1,091	\$86.00*
AMD A4-9120e	924	NA
AMD A4-9120C	810	NA

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