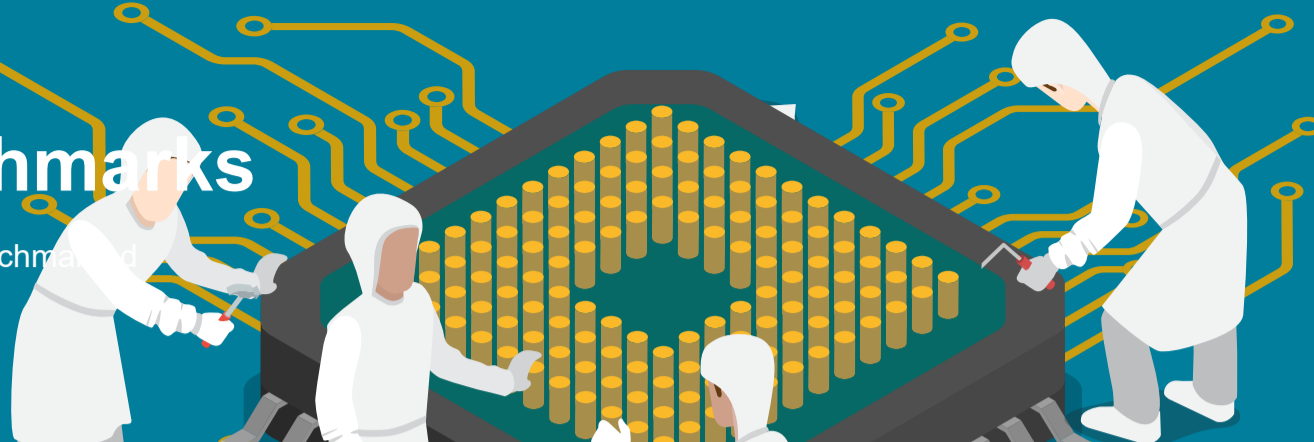


CPU Benchmarks

Over 1,000,000 CPUs Benchmarks



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.




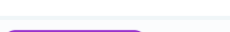
PassMark - CPU Mark

Laptop & Portable CPU Performance

Updated 17th of May 2022

CPU	CPU Mark	Price (USD)
Intel Core i9-12900H	29,744	\$617.00*
Intel Core i9-12900HK	29,088	\$635.00*
Intel Core i7-12700H	27,592	\$457.00*
AMD Ryzen 9 6900HS	24,486	NA
AMD Ryzen 7 PRO 6850U	24,352	NA
Intel Xeon W-11955M @ 2.60GHz	23,859	\$623.00*
Intel Core i9-11980HK @ 2.60GHz	23,627	\$583.00*
AMD Ryzen 7 6800HS	23,587	NA
AMD Ryzen 7 6800H	23,445	NA
AMD Ryzen 9 5980HX	23,425	NA
AMD Ryzen 9 5900HX	23,137	NA
Intel Core i5-1250P	23,120	NA
Intel Core i5-12500H	23,085	\$311.00*
Apple M1 Max 10 Core 3200 MHz	22,552	NA
Intel Core i9-11950H @ 2.60GHz	22,473	\$556.00*
Apple M1 Pro 10 Core 3200 MHz	22,277	NA
AMD Ryzen 9 5900HS	22,197	NA
AMD Ryzen 7 5800H	21,452	NA
AMD Ryzen 9 5980HS	21,437	NA
Intel Core i7-11800H @ 2.30GHz	21,342	\$395.00*
Intel Core i9-11900H @ 2.50GHz	21,261	\$546.00*
Intel Core i7-11850H @ 2.50GHz	21,110	\$395.00*
AMD Ryzen 9 5900H	20,960	NA
AMD Ryzen 7 5800HS Creator Edition	20,948	NA



Processor	Score	Price
Intel Core i7-1270P	20,735	NA
AMD Ryzen 7 5800HS	20,684	NA
AMD Ryzen 7 PRO 5875U	20,369	NA
Intel Core i5-12450H	19,820	\$311.00*
AMD Ryzen 9 4900HS	19,415	NA
AMD Ryzen 9 4900H	19,350	NA
Intel Core i7-12800H	19,052	\$457.00*
AMD Ryzen 7 4800H	19,047	NA
AMD Ryzen 7 5800U	18,868	NA
Intel Xeon W-11855M @ 3.20GHz	18,857	\$450.00*
AMD Ryzen 7 4800HS	18,846	NA
Intel Core i5-1240P	18,698	NA
AMD Ryzen 5 PRO 6650U	18,649	NA
Intel Core i3-1220P	18,329	\$281.00*
AMD Ryzen 7 Extreme Edition	18,209	NA
AMD Ryzen 7 5825U	18,183	NA
AMD Ryzen 7 PRO 5850U	17,519	NA
Apple M1 Pro 8 Core 3200 MHz	17,464	NA
AMD Ryzen 5 5600H	17,199	NA
AMD Ryzen 7 4800U	17,077	NA
Intel Core i7-10700E @ 2.90GHz	17,020	\$330.00*
Intel Core i7-1260P	16,743	NA
Intel Core i7-11600H @ 2.90GHz	16,403	\$395.00*
Intel Core i7-10700TE @ 2.00GHz	16,332	\$330.00*
Intel Core i5-11500H @ 2.90GHz	16,288	\$250.00*
Intel Core i9-10980HK @ 2.40GHz	16,260	\$583.00*
AMD Ryzen 7 5700U	16,114	NA
Intel Core i5-11400H @ 2.70GHz	16,061	\$250.00*
Intel Xeon W-10885M @ 2.40GHz	16,013	\$623.00*
AMD Ryzen 7 4850U Mobile	15,920	NA
Intel Core i5-1235U	15,759	\$309.00*
Intel Core i9-10885H @ 2.40GHz	15,664	\$556.00*
AMD Ryzen 7 PRO 4750U	15,516	NA
Intel Core i7-10875H @ 2.30GHz	15,417	\$450.00*
AMD Ryzen 5 5600U	15,287	NA
AMD Ryzen 5 PRO 5650U	15,260	NA
Intel Xeon E-2286M @ 2.40GHz	15,249	\$1,373.18*
AMD Ryzen 5 5625U	15,014	NA
Intel Core i7-10870H @ 2.20GHz	15,013	\$417.00*
Intel Core i5-11260H @ 2.60GHz	14,998	\$250.00*
AMD Ryzen 5 PRO 4400GE	14,795	NA
AMD Ryzen 5 4600HS	14,735	NA
Intel Core i9-10880H @ 2.30GHz	14,735	NA
AMD Ryzen 5 4600H	14,728	NA
Intel Core i9-9980HK @ 2.40GHz	14,719	\$583.00*
Apple M1 8 Core 3200 MHz	14,677	NA
AMD Ryzen 5 PRO 5675U	14,253	NA
Intel Core i9-9880H @ 2.30GHz	13,966	\$556.00*
AMD Ryzen 7 4700U	13,643	NA

AMD Ryzen 5 4600U		13,438	NA
AMD Ryzen 5 5500U		13,195	NA
Intel Core i3-1215U		13,007	NA
Intel Xeon W-10855M @ 2.80GHz		12,955	\$450.00*
AMD Ryzen 5 PRO 4650U		12,868	NA
Intel Core i7-10750H @ 2.60GHz		12,341	NA
Intel Core i7-1265U		12,334	\$426.00*
AMD Ryzen 3 PRO 5475U		12,266	NA
Intel Core i7-11375H @ 3.30GHz		12,247	\$482.00*
Intel Core i7-10850H @ 2.70GHz		12,132	\$395.00*
Intel Core i7-11370H @ 3.30GHz		12,083	\$426.00*
AMD Ryzen 5 PRO 4500U		12,049	NA
AMD Ryzen 3 5400U		11,839	NA
Intel Xeon E-2276M @ 2.80GHz		11,818	\$450.00*
Intel Core i5-10500H @ 2.50GHz		11,575	\$250.00*
Intel Core i7-9850H @ 2.60GHz		11,492	\$1,305.76*
AMD Ryzen 3 PRO 5450U		11,453	NA
Intel Core i7-9750HF @ 2.60GHz		11,391	\$395.00*
Intel Core i7-1185G7E @ 2.80GHz		11,114	\$431.00*
AMD Ryzen 5 4500U		11,097	NA
Intel Core i5-11300H @ 3.10GHz		11,024	\$309.00*
AMD Ryzen 3 PRO 4200GE		10,930	NA
Intel Core i7-1195G7 @ 2.90GHz		10,917	\$426.00*
Intel Core i7-11390H @ 3.40GHz		10,915	\$426.00*
Intel Core i7-1185G7 @ 3.00GHz		10,906	\$426.00*
Intel Core i7-9700TE @ 1.80GHz		10,826	\$323.00*
Intel Core i5-11320H @ 3.20GHz		10,588	\$309.00*
Intel Core i7-1165G7 @ 2.80GHz		10,556	\$426.00*
Intel Core i5-1155G7 @ 2.50GHz		10,498	\$309.00*
Intel Core i5-1145G7 @ 2.60GHz		10,416	NA
Intel Core i7-1160G7 @ 1.20GHz		10,407	\$426.00*
AMD Ryzen 3 PRO 4450U		10,129	NA
Intel Core i5-1135G7 @ 2.40GHz		10,097	\$309.00*
Intel Core i7-1068NG7 @ 2.30GHz		10,093	\$426.00*
Intel Core i7-10710U @ 1.10GHz		10,090	\$644.99*
AMD Ryzen 3 5300U		10,054	NA
Intel Core i5-10500TE @ 2.30GHz		9,960	\$195.00*
Intel Core i3-1125G4 @ 2.00GHz		9,926	NA
Intel Core i5-1130G7 @ 1.10GHz		9,756	\$309.00*
AMD Ryzen 3 5425U		9,641	NA
Intel Core i5-1038NG7 @ 2.00GHz		9,628	\$320.00*
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		8,895	\$250.00*
Intel Core i5-10300H @ 2.50GHz		8,675	\$250.00*
Intel Core i7-1065G7 @ 1.30GHz		8,649	\$426.00*
Intel Core i7-8569U @ 2.80GHz		8,523	\$431.00*
Intel Core i5-10200H @ 2.40GHz		8,420	\$250.00*
Intel Core i5-1035G7 @ 1.20GHz		8,388	\$320.00*
Intel Core i7-10810U @ 1.10GHz		8,353	\$443.00*

Intel Core i5-9400H @ 2.50GHz		8,258	\$250.00*
Intel Core i5-1035G4 @ 1.10GHz		8,244	\$309.00*
Intel Core i7-8557U @ 1.70GHz		8,225	\$431.00*
Intel Core i5-8269U @ 2.60GHz		8,055	\$320.00*
Intel Core i5-8279U @ 2.40GHz		7,987	\$320.00*
Intel Core i5-8260U @ 1.60GHz		7,854	\$439.99*
AMD Ryzen 5 3580U		7,846	NA
Intel Core i5-1035G1 @ 1.00GHz		7,719	\$297.00*
Intel Core i5-8257U @ 1.40GHz		7,683	\$320.00*
Intel Core i5-9300HF @ 2.40GHz		7,673	\$250.00*
AMD Ryzen 7 3780U		7,651	NA
AMD Ryzen 3 4300U		7,572	NA
Intel Core i7-7820EQ @ 3.00GHz		7,453	\$378.00*
Intel Core i3-10100T @ 3.00GHz		7,407	\$122.00*
AMD Ryzen 7 3700C		7,145	NA
Intel Core i7-10610U @ 1.80GHz		7,074	\$409.00*
AMD Ryzen 3 PRO 3200GE		7,071	NA
Intel Core i7-1060NG7 @ 1.20GHz		6,998	NA
AMD Ryzen 5 PRO 3500U		6,968	NA
AMD Ryzen 5 3450U		6,824	NA
Intel Core i7-10510U @ 1.80GHz		6,822	\$409.00*
Intel Pentium Gold 8505		6,771	NA
Intel Core i5-10310U @ 1.70GHz		6,630	\$297.00*
Intel Core i7-1180G7 @ 1.30GHz		6,607	\$426.00*
Intel Core i5-10210U @ 1.60GHz		6,398	\$702.62*
Intel Core i3-1115G4 @ 3.00GHz		6,274	\$281.00*
Intel Core i5-1030NG7 @ 1.10GHz		6,190	NA
Intel Core i7-8565UC @ 1.80GHz		6,187	NA
AMD Ryzen 3 PRO 3300U		6,144	NA
AMD Ryzen 3 3350U		5,904	NA
AMD Ryzen 3 3300U		5,825	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		5,353	NA
AMD Ryzen 5 3500C		5,214	NA
Intel Core i3-1005G1 @ 1.20GHz		5,123	\$281.00*
Intel Core i7-8665UE @ 1.70GHz		5,017	\$409.00*
Intel Core i7-10510Y @ 1.20GHz		5,016	\$403.00*
Intel Core i5-10210Y @ 1.00GHz		4,836	NA
Intel Pentium Silver N6005 @ 2.00GHz		4,752	NA
Intel Pentium 6805 @ 1.10GHz		4,745	\$161.00*
Intel Core i5-6442EQ @ 1.90GHz		4,598	\$250.00*
AMD Athlon Silver 3050GE		4,545	NA
Microsoft ARM SQ1 @ 3.0 GHz		4,545	NA
Intel Core i3-9100TE @ 2.20GHz		4,501	\$122.00*
Intel Core i5-6350HQ @ 2.30GHz		4,255	\$306.00*
Intel Core i3-8140U @ 2.10GHz		4,227	NA
Intel Core i3-8145UE @ 2.20GHz		4,133	\$281.00*
AMD Athlon Gold 3150U		4,025	NA
Intel Core i3-10110U @ 2.10GHz		4,004	\$434.17*

AMD Ryzen 3 3250U	3,986	NA
AMD Ryzen Embedded R1505G	3,966	NA
AMD Athlon 300U	3,959	NA
Intel Core i3-1000NG4 @ 1.10GHz	3,862	NA
Intel Core i5-L16G7 @ 1.40GHz	3,421	\$281.00*
Intel Pentium Silver N5020 @ 1.10GHz	3,404	NA
Intel Core i3-10110Y @ 1.00GHz	3,278	\$287.00*
AMD Ryzen Embedded R1305G	3,209	NA
Intel Celeron N5100 @ 1.10GHz	3,200	NA
AMD Athlon Silver 3050U	3,062	NA
AMD Athlon Silver 3050e	2,924	NA
AMD Ryzen 3 3250C	2,917	NA
AMD 3015e	2,720	NA
AMD A6-9400	2,717	NA
Intel Pentium Silver N5030 @ 1.10GHz	2,705	NA
Intel Core i3-7102E @ 2.10GHz	2,521	\$225.00*
Intel Celeron N4120 @ 1.10GHz	2,514	NA
AMD 3020e	2,493	NA
Intel Pentium 6405U @ 2.40GHz	2,363	\$161.00*
Intel Core i3-6102E @ 1.90GHz	2,349	\$225.00*
Intel Celeron 6305 @ 1.80GHz	2,194	NA
Intel Celeron 4305UE @ 2.00GHz	1,876	NA
Intel Pentium 4425Y @ 1.70GHz	1,697	\$161.00*
Intel Celeron N4000C @ 1.10GHz	1,611	NA
Intel Celeron N4020 @ 1.10GHz	1,574	NA
Intel Celeron 5205U @ 1.90GHz	1,414	\$107.00*
Intel Celeron 4205U @ 1.80GHz	1,341	\$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 A6-9220C	1,159	NA
AMD PRO A4-4350B	1,153	NA
AMD A4-9120e	899	NA
AMD A4-9120C	867	NA

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