

CPU Benchmarks

Over 1,000,000 CPUs
Benchmarked



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How does your CPU compare?

Add your CPU to our benchmark chart
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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 Mark | Price Performance | Sorted by Date

(Click to select desired chart)

PassMark - CPU Mark

Laptop & Portable CPU Performance - Updated 3rd of September 2018

		Price (USD)
Intel Xeon E-2186M @ 2.90GHz	14,824	\$623.00*
Intel Core i9-8950HK @ 2.90GHz	14,628	\$583.00*
Intel Xeon E-2176M @ 2.70GHz	14,257	\$450.00*
Intel Xeon E5-2648L v4 @ 1.80GHz	13,654	NA
Intel Core i7-8850H @ 2.60GHz	13,256	\$395.00*
Intel Core i7-8750H @ 2.20GHz	12,548	\$395.00*
Intel Xeon E5-4648 v3 @ 1.70GHz	11,097	NA
Intel Core i7-8809G @ 3.10GHz	11,061	NA
Intel Core i5-8259U @ 2.30GHz	10,863	NA
Intel Xeon E3-1535M v6 @ 3.10GHz	10,618	NA
Intel Core i7-8706G @ 3.10GHz	10,591	NA
Intel Xeon E3-1545M v5 @ 2.90GHz	10,442	NA
Intel Core i7-8559U @ 2.70GHz	10,296	NA
Intel Core i5-8400H @ 2.50GHz	10,202	\$250.00*
Intel Core i7-8705G @ 3.10GHz	10,189	NA
Intel Core i7-7920HQ @ 3.10GHz	10,170	NA

Intel Core i7-7820HK @ 2.90GHz	10,053	NA
Intel Core i7-6770HQ @ 2.60GHz	9,713	\$1,001.88*
Intel Core i7-6920HQ @ 2.90GHz	9,615	\$568.00*
Intel Core i7-5850HQ @ 2.70GHz	9,459	\$434.00*
Intel Core i7-7820HQ @ 2.90GHz	9,405	\$378.00*
Intel Core i5-8300H @ 2.30GHz	9,366	\$250.00*
Intel Xeon E3-1535M v5 @ 2.90GHz	9,302	NA
AMD Ryzen 5 PRO 2500U	9,296	NA
Intel Core i7-8565U @ 1.80GHz	9,214	NA
Intel Core i7-6820HK @ 2.70GHz	9,135	NA
AMD Ryzen 7 PRO 2700U	9,122	NA
Intel Core i7-6820EQ @ 2.80GHz	8,968	NA
Intel Core i7-8650U @ 1.90GHz	8,954	NA
Intel Core i7-7700HQ @ 2.80GHz	8,849	NA
Intel Core i7-6820HQ @ 2.70GHz	8,784	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8,695	\$377.00*
Intel Core i7-8550U @ 1.80GHz	8,312	NA
Intel Core i5-8350U @ 1.70GHz	8,211	\$297.00*
Intel Xeon D-1528 @ 1.90GHz	7,946	NA
Intel Core i7-4860EQ @ 1.80GHz	7,931	NA
Intel Core i5-7440HQ @ 2.80GHz	7,701	NA
Intel Core i5-8250U @ 1.60GHz	7,680	NA
AMD Ryzen 7 2700U	7,548	NA
AMD Ryzen 5 2500U	7,481	NA
AMD Ryzen 3 PRO 2300U	7,300	NA
AMD Ryzen Embedded V1807B	7,185	NA
Intel Xeon E3-1505L v5 @ 2.00GHz	7,082	NA
AMD Ryzen 3 2300U	7,007	NA
Intel Core i5-7300HQ @ 2.50GHz	6,818	NA
Intel Core i5-6440HQ @ 2.60GHz	6,783	NA
Intel Core i7-7567U @ 3.50GHz	6,523	NA
Intel Core i7-6822EQ @ 2.00GHz	6,427	NA
Intel Core i5-6300HQ @ 2.30GHz	6,086	NA
Intel Core i7-7660U @ 2.50GHz	6,037	NA
Intel Core i5-7360U @ 2.30GHz	5,929	NA
Intel Core i7-7560U @ 2.40GHz	5,873	NA
Intel Core i5-6440EQ @ 2.70GHz	5,778	NA
Intel Core i5-7260U @ 2.20GHz	5,698	NA
Intel Core i5-7287U @ 3.30GHz	5,656	NA
Intel Core i7-6567U @ 3.30GHz	5,639	NA
Intel Core i7-7600U @ 2.80GHz	5,514	NA
Intel Core i7-7500U @ 2.70GHz	5,180	NA
Intel Core i5-7267U @ 3.10GHz	5,098	NA
Intel Core i5-7300U @ 2.60GHz	5,090	\$445.74
AMD Embedded R-Series RX-418GD Radeon R6	5,068	NA
Intel Core i3-8130U @ 2.20GHz	5,047	\$281.00*
Intel Core i5-6267U @ 2.90GHz	4,957	NA
Intel Core i7-6650U @ 2.20GHz	4,950	NA
Intel Core i5-6360U @ 2.00GHz	4,836	NA
Intel Core i7-6560U @ 2.20GHz	4,812	NA
Intel Core i7-6600U @ 2.60GHz	4,801	NA

Intel Core i3-7100H @ 3.00GHz	4,768	\$225.00*
AMD FX-9830P	4,762	NA
Intel Core i5-6287U @ 3.10GHz	4,751	\$304.00*
AMD Embedded R-Series RX-421BD	4,635	NA
Intel Core i5-7200U @ 2.50GHz	4,631	NA
Intel Core i7-6498DU @ 2.50GHz	4,538	NA
AMD A10-9630P	4,497	NA
AMD Ryzen 3 2200U	4,469	NA
Intel Core i7-6500U @ 2.50GHz	4,429	NA
AMD PRO A10-9700B	4,393	NA
AMD PRO A12-8830B	4,377	NA
Intel Core i5-6300U @ 2.40GHz	4,374	NA
Intel Core i5-6260U @ 1.80GHz	4,358	\$518.99*
AMD A12-9730P	4,351	NA
Intel Core i7-4560U @ 1.60GHz	4,329	NA
Intel Core i7-5550U @ 2.00GHz	4,271	NA
Intel Core i3-6100H @ 2.70GHz	4,230	NA
Intel Core i5-6198DU @ 2.30GHz	4,163	NA
AMD PRO A12-9800B	4,157	NA
AMD PRO A12-8800B	4,154	NA
Intel Core i3-7130U @ 2.70GHz	4,120	\$281.00*
AMD A12-9720P	4,020	NA
AMD PRO A8-9600B	4,004	NA
AMD FX-9800P	3,999	NA
AMD PRO A10-8730B	3,949	NA
Intel Core i5-4402E @ 1.60GHz	3,947	NA
Intel Core i3-6157U @ 2.40GHz	3,833	NA
Intel Core i3-7100U @ 2.40GHz	3,817	\$303.74
AMD A10-9600P	3,801	NA
Intel Core i3-6100E @ 2.70GHz	3,769	NA
Intel Core i5-7Y57 @ 1.20GHz	3,737	NA
AMD A12-9700P	3,734	NA
Intel Core i7-7Y75 @ 1.30GHz	3,728	NA
AMD A10-9620P	3,710	NA
Intel Core i3-5157U @ 2.50GHz	3,665	NA
Intel Core i5-7Y54 @ 1.20GHz	3,633	NA
Intel Core i3-6100U @ 2.30GHz	3,605	\$515.00*
Intel Core i3-7020U @ 2.30GHz	3,589	\$281.00*
AMD PRO A10-8700B	3,581	NA
Intel Core m3-7Y30 @ 1.00GHz	3,557	NA
AMD PRO A8-8600B	3,553	NA
Intel Core m3-7Y32 @ 1.10GHz	3,527	NA
Intel Core m7-6Y75 @ 1.20GHz	3,485	NA
Intel Core m5-6Y54 @ 1.10GHz	3,361	NA
Intel Core m5-6Y57 @ 1.10GHz	3,228	NA
Intel Core i3-5020U @ 2.20GHz	3,183	\$459.00*
Intel Pentium 4415U @ 2.30GHz	3,169	NA
Intel Core i3-6006U @ 2.00GHz	3,109	NA
Intel Core m3-6Y30 @ 0.90GHz	3,051	NA
Intel Core i3-4120U @ 2.00GHz	3,050	NA
Intel Pentium 4405U @ 2.10GHz	2,943	NA

Intel Pentium G4400TE @ 2.40GHz	2,885	\$64.00*
AMD PRO A4-3350B APU	2,833	NA
Intel Core i5-4422E @ 1.80GHz	2,806	\$266.00*
AMD PRO A6-7350B	2,759	NA
AMD A9-9425	2,736	NA
Intel Celeron G3900E @ 2.40GHz	2,679	NA
Intel Celeron G3900TE @ 2.30GHz	2,591	\$42.00*
AMD A9-9410	2,554	NA
AMD PRO A6-8500B	2,516	NA
AMD Embedded G-Series GX-420GI Radeon R7E	2,512	NA
Intel Celeron 3965U @ 2.20GHz	2,467	\$107.00*
AMD PRO A6-8530B	2,435	NA
AMD Embedded R-Series RX-216GD	2,409	NA
AMD A4 PRO-3340B	2,402	NA
Intel Celeron 2000E @ 2.20GHz	2,365	NA
AMD A9-9420	2,308	NA
AMD A9-9400	2,302	NA
AMD E2-7110 APU	2,282	NA
AMD A6-9220	2,211	NA
Intel Pentium 4415Y @ 1.60GHz	2,187	\$161.00*
AMD A6-8500P	2,183	NA
AMD A4-5050 APU	2,113	NA
AMD Embedded G-Series GX-224IJ Radeon R4E	2,088	NA
Intel Atom C2538 @ 2.40GHz	2,085	\$104.00*
AMD PRO A6-9500B	2,076	NA
Intel Pentium 4405Y @ 1.50GHz	2,059	NA
Intel Pentium 4410Y @ 1.50GHz	2,056	\$161.00*
Intel Atom T5700 @ 1.70GHz	2,039	NA
Intel Pentium N4200 @ 1.10GHz	2,014	\$196.49
Intel Celeron 3765U @ 1.90GHz	1,990	NA
AMD A8-7050	1,986	NA
AMD A6-9210	1,921	NA
Intel Atom E3940 @ 1.60GHz	1,920	NA
Intel Celeron 3865U @ 1.80GHz	1,913	NA
Intel Atom x7-Z8750 @ 1.60GHz	1,904	NA
AMD A4-9120	1,880	NA
Intel Pentium N3710 @ 1.60GHz	1,871	NA
Intel Celeron 3955U @ 2.00GHz	1,844	NA
Intel Atom x5-Z8550 @ 1.44GHz	1,838	NA
AMD A6 Micro-6500T APU	1,834	NA
AMD E2-9010	1,827	NA
Intel Celeron N3450 @ 1.10GHz	1,827	\$164.48
Intel Atom E3950 @ 1.60GHz	1,804	NA
AMD A9-9420e	1,803	NA
Intel Celeron N4100 @ 1.10GHz	1,800	\$107.00*
AMD A6-9200	1,782	NA
AMD Embedded G-Series GX-215JJ Radeon R2E	1,750	NA
Intel Celeron N3160 @ 1.60GHz	1,690	\$286.99*
Intel Celeron 3855U @ 1.60GHz	1,657	NA
Intel Celeron 3215U @ 1.70GHz	1,639	NA
Intel Atom x5-E8000 @ 1.04GHz	1,623	NA

Intel Celeron 3965Y @ 1.50GHz	1,619	\$107.00*
AMD E2-9000	1,612	NA
AMD A6-9220e	1,610	NA
AMD R-260H APU	1,576	NA
Intel Celeron 2981U @ 1.60GHz	1,576	NA
AMD E2-9000e	1,318	NA
Intel Atom x5-Z8350 @ 1.44GHz	1,272	\$21.00*
AMD GX-222GC SOC	1,255	NA
Intel Celeron J3355 @ 2.00GHz	1,169	NA
AMD GX-218GL SOC	1,115	NA
Intel Celeron N3350 @ 1.10GHz	1,112	NA
Intel Atom x5-Z8330 @ 1.44GHz	1,023	NA
AMD E1-7010 APU	1,008	NA
Intel Celeron N3060 @ 1.60GHz	984	NA
Intel Celeron N3010 @ 1.04GHz	964	NA
Intel Atom C2358 @ 1.74GHz	961	NA
Intel Atom E3827 @ 1.74GHz	849	NA
Intel Atom x5-E3930 @ 1.30GHz	811	NA
Intel Atom E3826 @ 1.46GHz	489	NA
VIA Eden 1200MHz	142	NA
VIA Eden 1000MHz	123	NA
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* - Last seen price from our affiliates.



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