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CPU Benchmarks

Over 1,000,000 CPUs Benchmarked



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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 28th of January 2019

		Price (USD)
Intel Core i7-8700B @ 3.20GHz	14,891	\$303.00*
Intel Xeon E-2186M @ 2.90GHz	14,581	\$623.00*
Intel Core i9-8950HK @ 2.90GHz	14,377	\$583.00*
Intel Xeon E-2176M @ 2.70GHz	13,997	\$450.00*
Intel Xeon E5-2648L v4 @ 1.80GHz	13,654	NA
Intel Core i7-8850H @ 2.60GHz	13,152	\$395.00*
Intel Core i5-8500B @ 3.00GHz	12,639	\$192.00*
Intel Core i7-8750H @ 2.20GHz	12,460	\$395.00*
Intel Core i7-8559U @ 2.70GHz	12,113	NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11,097	NA
Intel Core i7-8809G @ 3.10GHz	11,022	NA
Intel Core i5-8259U @ 2.30GHz	10,987	\$671.63
Intel Xeon E3-1535M v6 @ 3.10GHz	10,598	NA
Intel Core i7-8706G @ 3.10GHz	10,512	NA
Intel Xeon E3-1545M v5 @ 2.90GHz	10,449	NA
Intel Core i7-7920HQ @ 3.10GHz	10,039	NA
Intel Core i7-8705G @ 3.10GHz	10,016	NA
Intel Core i7-7820HK @ 2.90GHz	10,007	NA
Intel Core i7-5850EQ @ 2.70GHz	9,817	\$435.00*
Intel Core i5-8400H @ 2.50GHz	9,767	\$250.00*

Intel Core i7-6770HQ @ 2.60GHz	9,724	\$1,001.88*
Intel Core i7-6920HQ @ 2.90GHz	9,610	\$568.00*
Intel Core i7-8709G @ 3.10GHz	9,536	NA
Intel Core i5-8300H @ 2.30GHz	9,446	\$250.00*
Intel Core i7-7820HQ @ 2.90GHz	9,316	\$378.00*
Intel Core i7-8565U @ 1.80GHz	9,302	NA
AMD Ryzen 7 PRO 2700U	9,002	NA
Intel Core i5-8305G @ 2.80GHz	8,892	NA
AMD Ryzen 5 PRO 2500U	8,835	NA
Intel Core i7-8650U @ 1.90GHz	8,832	NA
Intel Core i7-7700HQ @ 2.80GHz	8,827	NA
Intel Core i7-6820EQ @ 2.80GHz	8,758	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8,695	\$377.00*
AMD Ryzen 7 2800H	8,498	NA
Intel Core i7-8550U @ 1.80GHz	8,311	NA
Intel Core i5-8350U @ 1.70GHz	8,239	\$297.00*
Intel Core i5-8265U @ 1.60GHz	8,225	\$297.00*
Intel Xeon D-1528 @ 1.90GHz	7,946	NA
Intel Core i5-7440HQ @ 2.80GHz	7,693	NA
Intel Core i5-8250U @ 1.60GHz	7,684	NA
AMD Ryzen Embedded V1605B	7,667	NA
AMD Ryzen 7 2700U	7,401	NA
AMD Ryzen 5 2500U	7,321	NA
AMD Ryzen Embedded V1807B	7,185	NA
AMD Ryzen 3 PRO 2300U	7,177	NA
Intel Core i5-7300HQ @ 2.50GHz	6,805	NA
Intel Core i7-7567U @ 3.50GHz	6,496	NA
Intel Core i7-6822EQ @ 2.00GHz	6,427	NA
Intel Xeon E3-1505L v5 @ 2.00GHz	6,374	NA
AMD Ryzen 3 2300U	6,288	NA
Intel Core i5-7442EQ @ 2.10GHz	6,262	\$250.00*
Intel Core i3-8109U @ 3.00GHz	6,167	NA
Intel Core i7-7660U @ 2.50GHz	6,048	NA
Intel Core i5-7360U @ 2.30GHz	5,957	NA
Intel Core i7-7560U @ 2.40GHz	5,871	NA
Intel Core i5-6440EQ @ 2.70GHz	5,778	NA
Intel Core i5-7260U @ 2.20GHz	5,683	NA
Intel Core i5-7287U @ 3.30GHz	5,656	NA
Intel Core i7-6567U @ 3.30GHz	5,656	NA
AMD A8-7680	5,314	\$56.14
Intel Core i3-8145U @ 2.10GHz	5,225	\$281.00*
Intel Core i5-7300U @ 2.60GHz	5,185	\$459.99
Intel Core i7-7500U @ 2.70GHz	5,165	NA
Intel Core i5-7267U @ 3.10GHz	5,098	NA
Intel Core i7-7600U @ 2.80GHz	5,071	NA
AMD Embedded R-Series RX-418GD Radeon R6	5,068	NA
Intel Core i3-8130U @ 2.20GHz	5,060	\$281.00*
AMD Ryzen Embedded V1202B	5,051	NA
Intel Core i5-6267U @ 2.90GHz	4,958	NA
Intel Core i5-6360U @ 2.00GHz	4,880	NA

Intel Core i7-6560U @ 2.20GHz	4,801	NA
Intel Core i3-7167U @ 2.80GHz	4,757	NA
Intel Core i5-6287U @ 3.10GHz	4,751	\$304.00*
Intel Core i3-8121U @ 2.20GHz	4,738	NA
AMD FX-9830P	4,725	NA
Intel Core i3-7100H @ 3.00GHz	4,696	\$225.00*
Intel Core i5-7200U @ 2.50GHz	4,611	NA
Intel Core i7-6498DU @ 2.50GHz	4,538	NA
AMD A10-9630P	4,497	NA
AMD Ryzen 3 2200U	4,490	NA
AMD A12-9730P	4,420	NA
AMD PRO A10-9700B	4,393	NA
Intel Core i3-7130U @ 2.70GHz	4,334	\$281.00*
Intel Core i7-4560U @ 1.60GHz	4,329	NA
AMD PRO A12-8830B	4,325	NA
AMD PRO A12-9800B	4,158	NA
Intel Core i5-6198DU @ 2.30GHz	4,150	NA
AMD FX-9800P	3,998	NA
AMD A12-9720P	3,982	NA
AMD PRO A8-9600B	3,979	NA
AMD PRO A10-8730B	3,971	NA
Intel Core i5-8200Y @ 1.30GHz	3,952	\$291.00*
Intel Core i3-6157U @ 2.40GHz	3,835	NA
AMD A10-9600P	3,796	NA
Intel Core i3-7100U @ 2.40GHz	3,779	\$337.98*
Intel Core i3-6100E @ 2.70GHz	3,769	NA
Intel Core i7-7Y75 @ 1.30GHz	3,757	NA
Intel Core i5-7Y57 @ 1.20GHz	3,737	NA
AMD A12-9700P	3,729	NA
AMD A10-9620P	3,693	NA
Intel Core i7-5550U @ 2.00GHz	3,686	NA
Intel Core i5-7Y54 @ 1.20GHz	3,608	NA
Intel Core m3-7Y30 @ 1.00GHz	3,562	NA
Intel Core i3-7020U @ 2.30GHz	3,521	\$281.00*
Intel Core m3-8100Y @ 1.10GHz	3,471	\$281.00*
Intel Core i7-8500Y @ 1.50GHz	3,287	\$393.00*
Intel Pentium 4415U @ 2.30GHz	3,158	NA
Intel Core i3-6006U @ 2.00GHz	3,092	NA
Intel Core m3-7Y32 @ 1.10GHz	3,052	NA
Intel Core i3-4120U @ 2.00GHz	3,050	NA
Intel Core i5-4230U @ 1.90GHz	2,902	NA
Intel Pentium G4400TE @ 2.40GHz	2,885	\$64.00*
Intel Core i5-4422E @ 1.80GHz	2,806	\$266.00*
AMD PRO A6-7350B	2,759	NA
Intel Celeron G3900E @ 2.40GHz	2,679	NA
AMD A9-9425	2,634	NA
Intel Celeron G3900TE @ 2.30GHz	2,591	\$42.00*
AMD A9-9410	2,555	NA
AMD Embedded G-Series GX-420GI Radeon R7E	2,514	NA
Intel Pentium Silver N5000 @ 1.10GHz	2,441	\$161.00*

Intel Celeron 3965U @ 2.20GHz	2,411	\$107.00*
AMD Embedded R-Series RX-216GD	2,409	NA
AMD PRO A6-8530B	2,388	NA
Intel Celeron 2000E @ 2.20GHz	2,365	NA
Intel Celeron N4100 @ 1.10GHz	2,325	\$107.00*
AMD A9-9420	2,324	NA
AMD A9-9400	2,309	NA
AMD PRO A4-3350B APU	2,274	NA
Intel Pentium 4415Y @ 1.60GHz	2,206	\$161.00*
AMD A6-8500P	2,202	NA
AMD A6-9220	2,174	NA
AMD A4-9125	2,141	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	2,047	\$161.00*
Intel Atom T5700 @ 1.70GHz	2,039	NA
Intel Pentium N4200 @ 1.10GHz	2,022	\$198.11
AMD A6-9225	2,012	NA
Intel Celeron 3765U @ 1.90GHz	1,990	NA
Intel Celeron 3865U @ 1.80GHz	1,936	NA
AMD A4-9120	1,932	NA
Intel Atom x7-Z8750 @ 1.60GHz	1,903	NA
Intel Atom E3940 @ 1.60GHz	1,889	NA
AMD A9-9420e	1,871	NA
Intel Celeron 3955U @ 2.00GHz	1,869	NA
Intel Pentium N3710 @ 1.60GHz	1,857	NA
Intel Celeron N3450 @ 1.10GHz	1,853	\$163.71
Intel Atom x5-Z8550 @ 1.44GHz	1,837	NA
AMD A6 Micro-6500T APU	1,834	NA
Intel Atom E3950 @ 1.60GHz	1,827	NA
AMD A6-9210	1,791	NA
AMD Embedded G-Series GX-215JJ Radeon R2E	1,758	NA
AMD E2-9010	1,745	NA
AMD A6-9200	1,718	NA
Intel Celeron N3160 @ 1.60GHz	1,671	\$286.99*
AMD E2-9000	1,665	NA
Intel Celeron 3215U @ 1.70GHz	1,660	NA
Intel Celeron 3855U @ 1.60GHz	1,651	NA
Intel Atom x5-E8000 @ 1.04GHz	1,623	NA
Intel Celeron 3965Y @ 1.50GHz	1,619	\$107.00*
Intel Celeron 2002E @ 1.50GHz	1,605	\$86.00*
AMD A6-9220e	1,600	NA
AMD R-260H APU	1,576	NA
Intel Celeron 2981U @ 1.60GHz	1,576	NA
Intel Celeron N4000 @ 1.10GHz	1,460	\$107.00*
AMD E2-9000e	1,351	NA
Intel Atom x5-Z8350 @ 1.44GHz	1,265	\$21.00*

AMD GX-222GC SOC	1,255	NA
Intel Celeron J3355 @ 2.00GHz	1,180	NA
AMD GX-218GL SOC	1,115	NA
Intel Celeron N3350 @ 1.10GHz	1,104	NA
Intel Atom x5-Z8330 @ 1.44GHz	1,018	NA
AMD E1-7010 APU	998	NA
Intel Celeron N3060 @ 1.60GHz	988	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
AMD G-T40R	203	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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