

Home » CPU Benchmarks » New Laptop CPU Performance

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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.

How does your CPU compare?
Add your CPU to our benchmark chart
with **PerformanceTest V9!**



































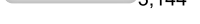














CPU Mark | Price Performance | Sorted by Date
(Click to select desired chart)

PassMark - CPU Mark

Laptop & Portable CPU Performance - Updated 13th of February 2019

			Price (USD)
Intel Xeon E-2186M @ 2.90GHz	14,609		\$623.00*
Intel Core i7-8700B @ 3.20GHz	14,444		\$303.00*
Intel Core i9-8950HK @ 2.90GHz	14,398		\$583.00*
Intel Xeon E-2176M @ 2.70GHz	13,931		\$450.00*
Intel Xeon E5-2648L v4 @ 1.80GHz	13,654		NA
Intel Core i7-8850H @ 2.60GHz	13,149		\$395.00*
Intel Core i5-8500B @ 3.00GHz	12,639		\$192.00*
Intel Core i7-8750H @ 2.20GHz	12,461		\$395.00*
Intel Core i5-9400F @ 2.90GHz	12,374		\$175.99
Intel Core i7-8559U @ 2.70GHz	12,206		NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11,097		NA
Intel Core i7-8809G @ 3.10GHz	11,023		NA
Intel Core i5-8259U @ 2.30GHz	10,985		\$671.63
Intel Xeon E3-1535M v6 @ 3.10GHz	10,598		NA
Intel Core i7-8706G @ 3.10GHz	10,505		NA
Intel Xeon E3-1545M v5 @ 2.90GHz	10,449		NA
Intel Core i5-8400H @ 2.50GHz	10,132		\$250.00*
Intel Core i7-7820HK @ 2.90GHz	10,009		NA
Intel Core i7-8705G @ 3.10GHz	10,005		NA
Intel Core i7-7920HQ @ 3.10GHz	9,956		NA

Intel Core i7-5850EQ @ 2.70GHz	9,817	\$435.00*
Intel Core i7-6770HQ @ 2.60GHz	9,722	\$1,001.88*
Intel Core i7-8709G @ 3.10GHz	9,536	NA
Intel Core i5-8300H @ 2.30GHz	9,464	\$250.00*
Intel Core i7-7820HQ @ 2.90GHz	9,312	\$378.00*
Intel Core i7-8565U @ 1.80GHz	9,206	NA
AMD Ryzen 7 PRO 2700U	9,004	NA
Intel Core i5-8305G @ 2.80GHz	8,927	NA
Intel Core i7-8650U @ 1.90GHz	8,840	NA
Intel Core i7-7700HQ @ 2.80GHz	8,824	NA
AMD Ryzen 5 PRO 2500U	8,786	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	8,314	NA
Intel Core i5-8350U @ 1.70GHz	8,231	\$297.00*
Intel Xeon D-1528 @ 1.90GHz	8,210	NA
Intel Core i5-8265U @ 1.60GHz	8,117	\$297.00*
Intel Core i5-7440HQ @ 2.80GHz	7,703	NA
Intel Core i5-8250U @ 1.60GHz	7,679	NA
AMD Ryzen Embedded V1605B	7,667	NA
AMD Ryzen Embedded V1807B	7,529	NA
AMD Ryzen 5 2500U	7,323	NA
AMD Ryzen 7 2700U	7,293	NA
AMD Ryzen 3 PRO 2300U	7,148	NA
Intel Core i5-7300HQ @ 2.50GHz	6,805	NA
Intel Core i7-7567U @ 3.50GHz	6,497	NA
Intel Core i7-6822EQ @ 2.00GHz	6,427	NA
Intel Xeon E3-1505L v5 @ 2.00GHz	6,374	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	6,031	NA
Intel Core i5-7360U @ 2.30GHz	5,957	NA
AMD Ryzen 3 2300U	5,945	NA
Intel Core i7-7560U @ 2.40GHz	5,877	NA
Intel Core i5-6440EQ @ 2.70GHz	5,778	NA
Intel Core i5-7260U @ 2.20GHz	5,687	NA
Intel Core i5-7287U @ 3.30GHz	5,656	NA
Intel Core i7-6567U @ 3.30GHz	5,656	NA
Intel Core i3-8145U @ 2.10GHz	5,431	\$281.00*
AMD A8-7680	5,314	\$56.65
Intel Core i5-7300U @ 2.60GHz	5,186	\$450.64*
Intel Core i7-7500U @ 2.70GHz	5,164	NA
Intel Core i5-7267U @ 3.10GHz	5,098	NA
Intel Core i3-8130U @ 2.20GHz	5,081	\$281.00*
Intel Core i7-7600U @ 2.80GHz	5,076	NA
AMD Embedded R-Series RX-418GD Radeon R6	5,068	NA
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		4,804	NA
Intel Core i3-7167U @ 2.80GHz		4,757	NA
Intel Core i5-6287U @ 3.10GHz		4,751	\$304.00*
AMD FX-9830P		4,745	NA
Intel Core i3-8121U @ 2.20GHz		4,738	NA
Intel Core i3-7100H @ 3.00GHz		4,696	\$225.00*
Intel Core i5-7200U @ 2.50GHz		4,612	NA
Intel Core i7-6498DU @ 2.50GHz		4,538	NA
AMD Ryzen 3 2200U		4,500	NA
AMD A10-9630P		4,497	NA
AMD A12-9730P		4,472	NA
AMD PRO A10-9700B		4,393	NA
Intel Core i7-4560U @ 1.60GHz		4,329	NA
AMD PRO A12-8830B		4,325	NA
Intel Core i5-8200Y @ 1.30GHz		4,206	\$291.00*
Intel Core i5-6198DU @ 2.30GHz		4,145	NA
AMD PRO A12-9800B		4,132	NA
Intel Core i3-7130U @ 2.70GHz		4,086	\$281.00*
AMD PRO A8-9600B		3,979	NA
AMD FX-9800P		3,977	NA
AMD A12-9720P		3,973	NA
AMD PRO A10-8730B		3,971	NA
Intel Core i3-6157U @ 2.40GHz		3,835	NA
AMD A10-9600P		3,798	NA
Intel Core i3-7100U @ 2.40GHz		3,778	\$337.98*
Intel Core i3-6100E @ 2.70GHz		3,769	NA
Intel Core i7-7Y75 @ 1.30GHz		3,750	NA
Intel Core i5-7Y57 @ 1.20GHz		3,737	NA
AMD A12-9700P		3,726	NA
AMD A10-9620P		3,712	NA
Intel Core i7-5550U @ 2.00GHz		3,686	NA
Intel Core i5-7Y54 @ 1.20GHz		3,623	NA
Intel Core m3-7Y30 @ 1.00GHz		3,557	NA
Intel Core i3-7020U @ 2.30GHz		3,503	\$281.00*
Intel Core m3-8100Y @ 1.10GHz		3,461	\$281.00*
Intel Core i7-8500Y @ 1.50GHz		3,287	\$393.00*
Intel Pentium 4415U @ 2.30GHz		3,144	NA
Intel Core i3-6006U @ 2.00GHz		3,089	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		2,614	NA
Intel Celeron G3900TE @ 2.30GHz		2,591	\$42.00*
AMD A9-9410		2,557	NA
AMD Embedded G-Series GX-420GI Radeon R7E		2,514	NA
Intel Pentium Silver N5000 @ 1.10GHz		2,429	\$161.00*

Intel Celeron 3965U @ 2.20GHz	<div><div></div></div> 2,411	\$107.00*
AMD Embedded R-Series RX-216GD	<div><div></div></div> 2,409	NA
AMD PRO A6-8530B	<div><div></div></div> 2,388	NA
Intel Celeron 2000E @ 2.20GHz	<div><div></div></div> 2,365	NA
AMD A9-9420	<div><div></div></div> 2,326	NA
Intel Celeron N4100 @ 1.10GHz	<div><div></div></div> 2,324	\$107.00*
AMD A9-9400	<div><div></div></div> 2,309	NA
AMD PRO A4-3350B APU	<div><div></div></div> 2,274	NA
Intel Pentium 4415Y @ 1.60GHz	<div><div></div></div> 2,206	\$161.00*
AMD A6-8500P	<div><div></div></div> 2,202	NA
AMD A6-9220	<div><div></div></div> 2,177	NA
AMD A4-5050 APU	<div><div></div></div> 2,113	NA
AMD Embedded G-Series GX-224IJ Radeon R4E	<div><div></div></div> 2,088	NA
Intel Atom C2538 @ 2.40GHz	<div><div></div></div> 2,085	\$104.00*
AMD PRO A6-9500B	<div><div></div></div> 2,076	NA
AMD A4-9125	<div><div></div></div> 2,075	NA
AMD A6-9225	<div><div></div></div> 2,063	NA
Intel Pentium 4405Y @ 1.50GHz	<div><div></div></div> 2,059	NA
Intel Pentium 4410Y @ 1.50GHz	<div><div></div></div> 2,047	\$161.00*
Intel Atom T5700 @ 1.70GHz	<div><div></div></div> 2,039	NA
Intel Pentium N4200 @ 1.10GHz	<div><div></div></div> 2,027	\$223.66
Intel Celeron 3765U @ 1.90GHz	<div><div></div></div> 1,990	NA
AMD A4-9120	<div><div></div></div> 1,950	NA
Intel Celeron 3865U @ 1.80GHz	<div><div></div></div> 1,941	NA
Intel Atom x7-Z8750 @ 1.60GHz	<div><div></div></div> 1,903	NA
Intel Atom E3940 @ 1.60GHz	<div><div></div></div> 1,889	NA
AMD A9-9420e	<div><div></div></div> 1,871	NA
Intel Pentium N3710 @ 1.60GHz	<div><div></div></div> 1,859	NA
Intel Atom E3950 @ 1.60GHz	<div><div></div></div> 1,855	NA
Intel Celeron N3450 @ 1.10GHz	<div><div></div></div> 1,848	\$163.80
Intel Atom x5-Z8550 @ 1.44GHz	<div><div></div></div> 1,837	NA
AMD A6-9210	<div><div></div></div> 1,791	NA
AMD Embedded G-Series GX-215JJ Radeon R2E	<div><div></div></div> 1,758	NA
AMD E2-9010	<div><div></div></div> 1,745	NA
AMD A6-9200	<div><div></div></div> 1,718	NA
Intel Celeron N3160 @ 1.60GHz	<div><div></div></div> 1,673	\$286.99*
Intel Celeron 3215U @ 1.70GHz	<div><div></div></div> 1,660	NA
Intel Celeron 3855U @ 1.60GHz	<div><div></div></div> 1,651	NA
AMD E2-9000	<div><div></div></div> 1,636	NA
Intel Atom x5-E8000 @ 1.04GHz	<div><div></div></div> 1,623	NA
Intel Celeron 3965Y @ 1.50GHz	<div><div></div></div> 1,619	\$107.00*
Intel Celeron 2002E @ 1.50GHz	<div><div></div></div> 1,605	\$86.00*
AMD A6-9220e	<div><div></div></div> 1,600	NA
AMD R-260H APU	<div><div></div></div> 1,576	NA
Intel Celeron 2981U @ 1.60GHz	<div><div></div></div> 1,576	NA
Intel Celeron N4000 @ 1.10GHz	<div><div></div></div> 1,465	\$107.00*
AMD E2-9000e	<div><div></div></div> 1,345	NA
Intel Atom x5-Z8350 @ 1.44GHz	<div><div></div></div> 1,265	\$21.00*
AMD GX-222GC SOC	<div><div></div></div> 1,255	NA
Intel Celeron J3355 @ 2.00GHz	<div><div></div></div> 1,180	NA

AMD GX-218GL SOC	<div><div></div></div> 1,115	NA
Intel Celeron N3350 @ 1.10GHz	<div><div></div></div> 1,106	NA
Intel Atom x5-Z8330 @ 1.44GHz	<div><div></div></div> 1,018	NA
AMD E1-7010 APU	<div><div></div></div> 998	NA
Intel Celeron N3060 @ 1.60GHz	<div><div></div></div> 990	NA
Intel Celeron N3010 @ 1.04GHz	<div><div></div></div> 964	NA
Intel Atom C2358 @ 1.74GHz	<div><div></div></div> 961	NA
Intel Atom E3827 @ 1.74GHz	<div><div></div></div> 849	NA
Intel Atom x5-E3930 @ 1.30GHz	<div><div></div></div> 811	NA
Intel Atom E3826 @ 1.46GHz	<div><div></div></div> 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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