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CPU Benchmarks

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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 15th of February 2018

		Price (USD)
Intel Xeon E5-2648L v4 @ 1.80GHz	12,883	NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11,097	NA
Intel Core i7-5950HQ @ 2.90GHz	10,949	NA
Intel Xeon E3-1535M v6 @ 3.10GHz	10,750	NA
Intel Xeon E3-1545M v5 @ 2.90GHz	10,464	NA
Intel Core i7-7920HQ @ 3.10GHz	10,166	NA
Intel Core i7-7820HK @ 2.90GHz	10,085	NA
Intel Core i7-6770HQ @ 2.60GHz	9,712	\$1,001.88*
Intel Core i7-6920HQ @ 2.90GHz	9,602	NA
Intel Core i7-5850HQ @ 2.70GHz	9,459	NA
Intel Core i7-7820HQ @ 2.90GHz	9,443	NA
Intel Xeon E3-1535M v5 @ 2.90GHz	9,277	NA
Intel Core i7-8650U @ 1.90GHz	9,233	NA
Intel Core i7-6820HK @ 2.70GHz	9,148	NA
Intel Core i7-6820EQ @ 2.80GHz	8,968	NA
Intel Core i7-7700HQ @ 2.80GHz	8,895	NA
Intel Core i7-6820HQ @ 2.70GHz	8,800	NA
Intel Xeon D-1528 @ 1.90GHz	8,612	NA
Intel Core i7-5700HQ @ 2.70GHz	8,383	NA
Intel Core i7-5700EQ @ 2.60GHz	8,239	NA
Intel Core i7-8550U @ 1.80GHz	8,182	NA

Intel Core i7-6700HQ @ 2.60GHz	8,146	\$1,509.00*
Intel Core i5-8350U @ 1.70GHz	8,055	\$297.00*
Intel Core i7-4722HQ @ 2.40GHz	8,052	NA
Intel Core i5-7440HQ @ 2.80GHz	8,051	NA
Intel Core i7-4860EQ @ 1.80GHz	7,897	NA
AMD Ryzen 5 2500U	7,880	NA
Intel Core i5-8250U @ 1.60GHz	7,640	NA
Intel Xeon E3-1505L v5 @ 2.00GHz	7,082	NA
Intel Core i5-7300HQ @ 2.50GHz	6,846	NA
Intel Core i5-6440HQ @ 2.60GHz	6,771	NA
Intel Core i7-7567U @ 3.50GHz	6,525	NA
Intel Core i7-6822EQ @ 2.00GHz	6,332	NA
Intel Core i7-7660U @ 2.50GHz	6,160	NA
Intel Core i5-7360U @ 2.30GHz	6,080	NA
Intel Core i5-6300HQ @ 2.30GHz	6,076	NA
Intel Core i7-7560U @ 2.40GHz	5,912	NA
Intel Core i5-6440EQ @ 2.70GHz	5,778	NA
Intel Core i5-7260U @ 2.20GHz	5,751	NA
Intel Core i7-6567U @ 3.30GHz	5,635	NA
Intel Core i7-7600U @ 2.80GHz	5,587	NA
AMD Ryzen 3 2200U	5,439	NA
Intel Core i7-7500U @ 2.70GHz	5,215	NA
Intel Core i5-7267U @ 3.10GHz	5,198	NA
Intel Core i5-7300U @ 2.60GHz	5,112	NA
Intel Core i5-6267U @ 2.90GHz	4,946	NA
Intel Core i7-5557U @ 3.10GHz	4,945	\$705.00*
Intel Core i7-6650U @ 2.20GHz	4,936	NA
Intel Core i5-6360U @ 2.00GHz	4,836	NA
Intel Core i7-6600U @ 2.60GHz	4,810	NA
Intel Core i7-6560U @ 2.20GHz	4,800	NA
AMD FX-9830P	4,780	NA
Intel Core i5-6287U @ 3.10GHz	4,751	\$304.00*
Intel Core i3-7100H @ 3.00GHz	4,747	\$225.00*
Intel Core i5-5287U @ 2.90GHz	4,683	NA
Intel Core i5-7200U @ 2.50GHz	4,663	NA
AMD Embedded R-Series RX-421BD	4,635	NA
Intel Core i7-6498DU @ 2.50GHz	4,548	NA
AMD A10-9630P	4,492	NA
AMD RX-427BB	4,470	NA
Intel Core i7-6500U @ 2.50GHz	4,433	NA
Intel Core i5-5257U @ 2.70GHz	4,407	NA
AMD PRO A10-9700B	4,393	NA
Intel Core i5-6260U @ 1.80GHz	4,370	\$518.99*
Intel Core i5-6300U @ 2.40GHz	4,368	NA
AMD PRO A12-9800B	4,339	NA
Intel Core i7-4560U @ 1.60GHz	4,329	NA
Intel Core i3-4350T @ 3.10GHz	4,302	NA
AMD A12-9730P	4,258	NA
Intel Core i7-5550U @ 2.00GHz	4,254	NA
Intel Core i7-5650U @ 2.20GHz	4,200	NA

AMD PRO A12-8800B	<div><div></div></div> 4,193	NA
AMD FX-8800P	<div><div></div></div> 4,178	NA
Intel Core i5-6198DU @ 2.30GHz	<div><div></div></div> 4,170	NA
Intel Core i3-6100H @ 2.70GHz	<div><div></div></div> 4,162	NA
Intel Core i3-7130U @ 2.70GHz	<div><div></div></div> 4,145	\$281.00*
AMD A12-9720P	<div><div></div></div> 4,088	NA
AMD PRO A12-8830B	<div><div></div></div> 4,025	NA
AMD PRO A8-9600B	<div><div></div></div> 4,019	NA
Intel Core i5-6200U @ 2.30GHz	<div><div></div></div> 4,010	NA
AMD FX-9800P	<div><div></div></div> 4,009	NA
Intel Core i5-4402E @ 1.60GHz	<div><div></div></div> 3,947	NA
AMD PRO A10-8730B	<div><div></div></div> 3,917	NA
Intel Core i7-7Y75 @ 1.30GHz	<div><div></div></div> 3,903	NA
AMD A10-9620P	<div><div></div></div> 3,897	NA
Intel Core i3-6157U @ 2.40GHz	<div><div></div></div> 3,836	NA
AMD PRO A8-8600B	<div><div></div></div> 3,827	NA
AMD A10-9600P	<div><div></div></div> 3,806	NA
Intel Core i3-7100U @ 2.40GHz	<div><div></div></div> 3,781	NA
Intel Core i5-7Y57 @ 1.20GHz	<div><div></div></div> 3,777	NA
Intel Core i3-6100E @ 2.70GHz	<div><div></div></div> 3,769	NA
AMD A12-9700P	<div><div></div></div> 3,766	NA
Intel Core i3-5157U @ 2.50GHz	<div><div></div></div> 3,670	NA
Intel Core i5-7Y54 @ 1.20GHz	<div><div></div></div> 3,617	NA
AMD PRO A10-8700B	<div><div></div></div> 3,605	NA
Intel Core i3-6100U @ 2.30GHz	<div><div></div></div> 3,565	\$515.00*
Intel Core m3-7Y30 @ 1.00GHz	<div><div></div></div> 3,556	NA
Intel Core m3-7Y32 @ 1.10GHz	<div><div></div></div> 3,527	NA
Intel Core m7-6Y75 @ 1.20GHz	<div><div></div></div> 3,518	NA
AMD A10-8700P	<div><div></div></div> 3,458	NA
Intel Core m5-6Y54 @ 1.10GHz	<div><div></div></div> 3,370	NA
AMD A8-7200P	<div><div></div></div> 3,315	NA
Intel Core i5-5350U @ 1.80GHz	<div><div></div></div> 3,249	NA
AMD A8-8600P	<div><div></div></div> 3,247	NA
Intel Pentium 4415U @ 2.30GHz	<div><div></div></div> 3,229	NA
Intel Core m5-6Y57 @ 1.10GHz	<div><div></div></div> 3,222	NA
Intel Core i3-6006U @ 2.00GHz	<div><div></div></div> 3,199	NA
Intel Core i3-5020U @ 2.20GHz	<div><div></div></div> 3,182	\$459.00*
Intel Atom C2758 @ 2.40GHz	<div><div></div></div> 3,162	\$214.86*
Intel Core m3-6Y30 @ 0.90GHz	<div><div></div></div> 3,051	NA
Intel Core i3-4120U @ 2.00GHz	<div><div></div></div> 3,050	NA
Intel Core i3-5015U @ 2.10GHz	<div><div></div></div> 3,017	NA
Intel Pentium 4405U @ 2.10GHz	<div><div></div></div> 2,976	NA
Intel Core i3-4110U @ 1.90GHz	<div><div></div></div> 2,902	NA
AMD PRO A4-3350B APU	<div><div></div></div> 2,833	NA
Intel Core i5-4422E @ 1.80GHz	<div><div></div></div> 2,806	\$266.00*
Intel Core M-5Y31 @ 0.90GHz	<div><div></div></div> 2,763	NA
AMD A8-7410 APU	<div><div></div></div> 2,735	NA
Intel Celeron G3900E @ 2.40GHz	<div><div></div></div> 2,707	NA
AMD A6-7310 APU	<div><div></div></div> 2,685	NA
AMD A9-9410	<div><div></div></div> 2,569	NA

Intel Pentium 3825U @ 1.90GHz	<div></div> 2,560	NA
Intel Core M-5Y51 @ 1.10GHz	<div></div> 2,527	NA
AMD PRO A6-8500B	<div></div> 2,516	NA
AMD Embedded G-Series GX-420GI Radeon R7E	<div></div> 2,512	NA
AMD A4-7210 APU	<div></div> 2,510	NA
AMD PRO A6-8530B	<div></div> 2,435	NA
Intel Celeron 3965U @ 2.20GHz	<div></div> 2,433	\$107.00*
AMD Embedded R-Series RX-216GD	<div></div> 2,409	NA
AMD A4 PRO-3340B	<div></div> 2,402	NA
Intel Celeron 2000E @ 2.20GHz	<div></div> 2,365	NA
AMD A6-9220	<div></div> 2,354	NA
AMD A9-9420	<div></div> 2,349	NA
AMD PRO A6-9500B	<div></div> 2,303	NA
AMD E2-7110 APU	<div></div> 2,288	NA
Intel Core i5-4220Y @ 1.60GHz	<div></div> 2,262	NA
AMD A9-9400	<div></div> 2,254	NA
AMD A6-8500P	<div></div> 2,183	NA
Intel Atom C2558 @ 2.40GHz	<div></div> 2,169	\$136.00*
Intel Core M-5Y10a @ 0.80GHz	<div></div> 2,150	NA
AMD A4-5050 APU	<div></div> 2,117	NA
Intel Pentium 4410Y @ 1.50GHz	<div></div> 2,094	\$161.00*
AMD Embedded G-Series GX-224IJ Radeon R4E	<div></div> 2,088	NA
AMD A4-5100 APU	<div></div> 2,082	NA
Intel Pentium 4405Y @ 1.50GHz	<div></div> 2,059	NA
Intel Celeron 3765U @ 1.90GHz	<div></div> 2,038	NA
Intel Atom E3950 @ 1.60GHz	<div></div> 2,034	NA
Intel Pentium N4200 @ 1.10GHz	<div></div> 2,014	\$196.49
AMD A8-7050	<div></div> 1,986	NA
Intel Atom x7-Z8750 @ 1.60GHz	<div></div> 1,931	NA
Intel Pentium N3710 @ 1.60GHz	<div></div> 1,929	NA
Intel Atom x7-Z8700 @ 1.60GHz	<div></div> 1,912	\$73.63*
Intel Celeron 3865U @ 1.80GHz	<div></div> 1,901	NA
AMD A10 Micro-6700T APU	<div></div> 1,890	NA
AMD A6-9210	<div></div> 1,876	NA
Intel Atom x5-Z8550 @ 1.44GHz	<div></div> 1,874	NA
Intel Pentium N3700 @ 1.60GHz	<div></div> 1,848	\$444.78*
AMD A6 Micro-6500T APU	<div></div> 1,834	NA
Intel Celeron N3450 @ 1.10GHz	<div></div> 1,831	\$163.99
AMD E2-9000	<div></div> 1,819	NA
AMD A4-9120	<div></div> 1,798	NA
AMD E2-9010	<div></div> 1,758	NA
AMD Embedded G-Series GX-215JJ Radeon R2E	<div></div> 1,750	NA
Intel Celeron 3955U @ 2.00GHz	<div></div> 1,740	NA
Intel Celeron N3160 @ 1.60GHz	<div></div> 1,702	\$280.00
Intel Atom x5-Z8500 @ 1.44GHz	<div></div> 1,690	\$62.57*
Intel Celeron 3855U @ 1.60GHz	<div></div> 1,689	NA
AMD A6-7000	<div></div> 1,672	NA
Intel Celeron N3150 @ 1.60GHz	<div></div> 1,660	NA
AMD QC-4000	<div></div> 1,657	NA
Intel Celeron 3215U @ 1.70GHz	<div></div> 1,650	NA

Intel Atom x5-E8000 @ 1.04GHz	 1,609	NA
AMD R-260H APU	 1,576	NA
Intel Celeron 2981U @ 1.60GHz	 1,576	NA
Intel Celeron 3205U @ 1.50GHz	 1,544	\$287.04*
Intel Atom x5-Z8350 @ 1.44GHz	 1,299	\$21.00*
AMD E2-9000e	 1,299	NA
Intel Celeron J3355 @ 2.00GHz	 1,291	NA
AMD GX-222GC SOC	 1,255	NA
Intel Atom x5-Z8300 @ 1.44GHz	 1,202	\$132.99*
Intel Celeron N3350 @ 1.10GHz	 1,116	NA
AMD GX-218GL SOC	 1,115	NA
Intel Atom x5-Z8330 @ 1.44GHz	 1,005	NA
AMD E1-7010 APU	 1,000	NA
Intel Celeron N3060 @ 1.60GHz	 994	NA
Intel Atom C2358 @ 1.74GHz	 961	NA
Intel Celeron N2808 @ 1.58GHz	 929	NA
Intel Celeron N3010 @ 1.04GHz	 917	NA
Intel Celeron N3000 @ 1.04GHz	 906	NA
AMD E1-6015 APU	 899	NA
Intel Celeron N3050 @ 1.60GHz	 883	\$299.99*
Intel Atom E3827 @ 1.74GHz	 849	NA
Intel Atom x5-E3930 @ 1.30GHz	 811	NA
Intel Atom E3826 @ 1.46GHz	 489	NA
AMD GX-210JA SOC	 401	NA
Intel Celeron B710 @ 1.60GHz	 186	NA
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* - Last seen price from our affiliates.

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