

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

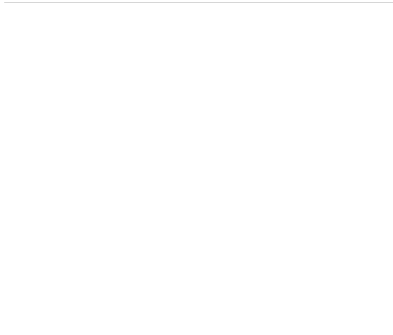
Intel Core i5-1345U

Price and performance details for the Intel Core i5-1345U can be found below. This is made using thousands of [PerformanceTest](#) benchmark results and is updated daily.

- The first graph shows the relative performance of the CPU compared to the 10 other common (single) CPUs in terms of PassMark CPU Mark.
- The 2nd graph shows the value for money, in terms of the CPUMark per dollar.
- The pricing history data shows the price for a single Processor. For multiple Processors, multiply the price shown by the number of CPUs.

Is the Intel Core i5-1345U Good for Gaming?

This is a newly released CPU that contains 10 Cores and 12 Threads. The Intel Core i5-1345U also has reasonable threaded performance that will serve well in games. Paired with a good [videocard](#), *is this CPU Good for Gaming?* Yes, this would be a suitable CPU for gaming. [\[More...\]](#)



Intel Core i5-1345U	
Description: Intel Iris Xe Graphics eligible	
Class: Laptop	Socket: FCBGA1744
Total Cores: 10 Cores, 12 Threads	
Performance Cores: 2 Cores, 4 Threads, 1.6 GHz Base, 4.7 GHz Turbo	
Efficient Cores: 8 Cores, 8 Threads, 1.2 GHz Base, 3.5 GHz Turbo	
Typical TDP: 15 W	TDP Down: 12 W
TDP Up : 55 W	

Average CPU Mark

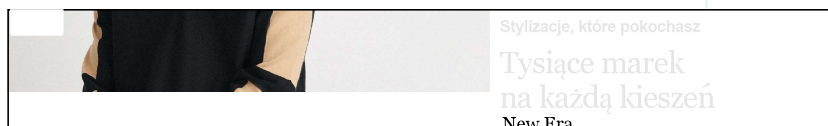
15300

Single Thread Rating: 3536

Samples: 192*

*[Margin for error:](#) Low

+ COMPARE



L1 Instruction Cache: 2 x 32 KB

Eff. L1 Instruction Cache: 8 x 64 KB

CPU Benchmarks

L3 Cache: 12 MB

Other names: 13th Gen Intel(R) Core(TM) i5-1345U, 13th Gen Intel Core i5-1345U

CPU First Seen on Charts: Q1 2023

CPUMark/\$Price: 49,51

Overall Rank: 736

Last Price Change: [\\$309.00 USD](#) (2023-01-01)

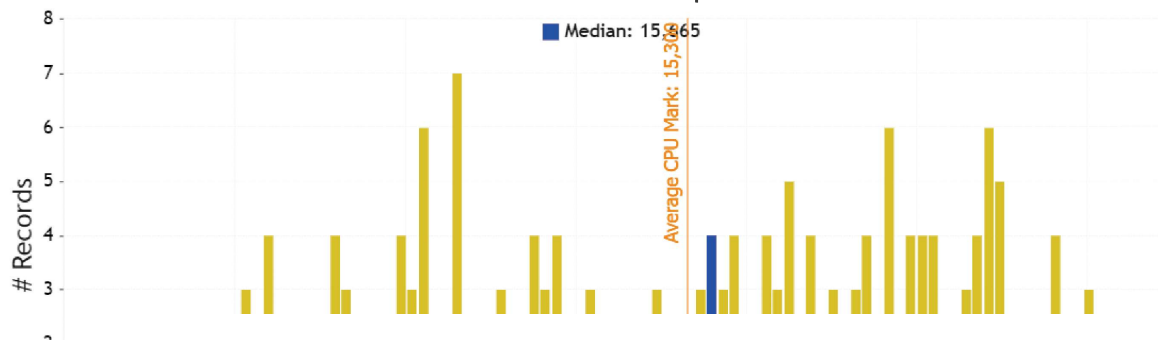
CPU Test Suite Average Results for Intel Core i5-1345U

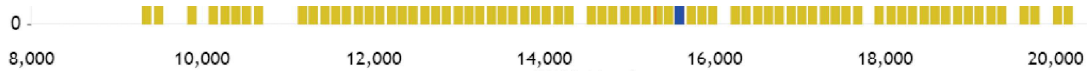
Integer Math	54,487 MOps/Sec
Floating Point Math	36,820 MOps/Sec
Find Prime Numbers	58 Million Primes/Sec
Random String Sorting	19,317 Thousand Strings/Sec
Data Encryption	10,605 MBytes/Sec
Data Compression	167,307 KBytes/Sec
Physics	921 Frames/Sec
Extended Instructions	9,337 Million Matrices/Sec
Single Thread	3,536 MOps/Sec

From submitted results to PerformanceTest V10 as of 4th of March 2024.

CPU Mark Distribution for Intel Core i5-1345U

Submitted Baseline Distribution Graph as of 3rd of March 2024





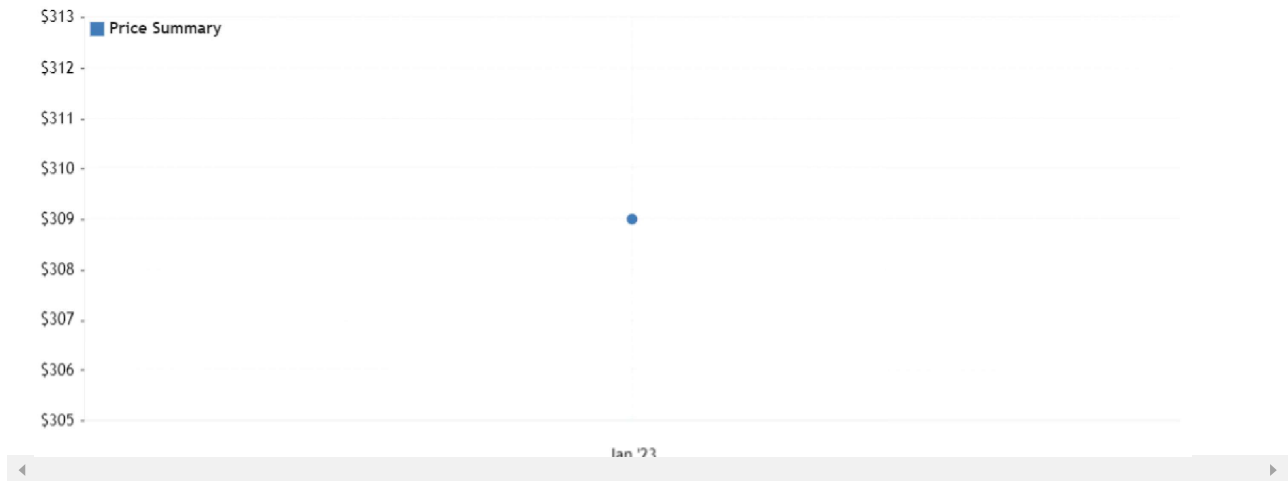
CPU Benchmarks

For distribution graph only: Results are [trimmed](#) to exclude outliers by disregarding the bottom 1% and top 1% of submissions.

Search for **Intel Core i5-1345U**
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Note: PassMark Software may earn compensation for sales from links on this site through affiliate programs.

Pricing History



Machines with this CPU (or similar)





[Dell Latitude 5540 15.6" Notebook - Full HD - 1920 x 1080 - Intel Core i5 13th Gen i5-1345U Deca-core.\(10 Core\) - 8 GB Total RAM - 256 GB SSD - Titan Gray](#)

\$979.99

(www.amazon.com)



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[Total RAM - 256 GB SSD](#)

(www.amazon.com)



[Lenovo ThinkPad T14 Gen 4 21HD0086US 14" Notebook - WUXGA - 1920 x 1200 - Intel Core i5 13th Gen i5-1345U Deca-core.\(10 Core\) - 16 GB Total RAM - 16 GB On-Board Memory - 256 GB SSD - Thunder Black](#)

\$929.80

(www.amazon.com)



[Dell Latitude 7000 7440 14" Notebook - Full HD Plus - 1920 x 1200 - Intel Core i5 13th Gen i5-1345U Deca-core.\(10 Core\) 1.20 GHz - Intel Evo Platform - 16 GB Total RAM - 16 GB On-Board Memory - 512](#)

\$975.99

(www.amazon.com)

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CPU Mark Relative to Top 10 Common Laptop CPUs

As of 4th of March 2024 - Higher results represent better performance

Processor	Average CPU Mark
Apple M1 Max 10 Core 3200 MHz	22,013
AMD Ryzen 7 5800H	21,092
Intel Core i7-11800H @ 2.30GHz	20,681
AMD Ryzen 7 4800H	18,604
AMD Ryzen 5 5600H	17,088
Apple M2 8 Core 3500 MHz	15,382
Intel Core i5-1345U	15,300
Apple M1 8 Core 3200 MHz	14,185
Intel Core i7-10750H @ 2.60GHz	11,974
Intel Core i7-9750H @ 2.60GHz	10,911
Intel Core i5-1135G7 @ 2.40GHz	9,860

CPU Value (CPU Mark / \$Price)

As of 4th of March 2024 - Higher results represent better value

Processor	CPU Mark / \$Price
Intel Core i7-11800H @ 2.30GHz	52.36
Intel Core i5-1345U	49.51
Intel Core i5-1135G7 @ 2.40GHz	31.91
Intel Core i5-1135G7 @ 2.40GHz	11.37

Apple M1 8 Core 3200 MHz		NA
Apple M1 Max 10 Core 3200 MHz		NA
AMD Ryzen 7 5800H		NA
AMD Ryzen 7 4800H		NA
AMD Ryzen 5 5600H		NA
Intel Core i7-10750H @ 2.60GHz		NA

CPU Benchmarks ▼

Single Thread Rating

As of 4th of March 2024 - Higher results represent better performance

Processor	Average Thread Rating
Apple M2 8 Core 3500 MHz	3,932
Apple M1 Max 10 Core 3200 MHz	3,840
Apple M1 8 Core 3200 MHz	3,705
Intel Core i5-1345U	3,536
Intel Core i7-11800H @ 2.30GHz	3,091
AMD Ryzen 7 5800H	3,050
AMD Ryzen 5 5600H	2,957
Intel Core i5-1135G7 @ 2.40GHz	2,695
Intel Core i7-10750H @ 2.60GHz	2,671
AMD Ryzen 7 4800H	2,617
Intel Core i7-9750H @ 2.60GHz	2,438

Last 5 Baselines for Intel Core i5-1345U

Most recent listed first

Baseline	CPU Mark
BL2038574 - Mar 01 2024	13850
BL 2037242 - Feb 29 2024	17464

[BL2036577 - Feb 28 2024](#)[12079](#)

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Additional baselines can be obtained using Windows version of [PerformanceTest's Manage Baselines](#) feature.

Popular comparisons for Intel Core i5-1345U

As of 4th of March 2024 - Higher results represent better performance

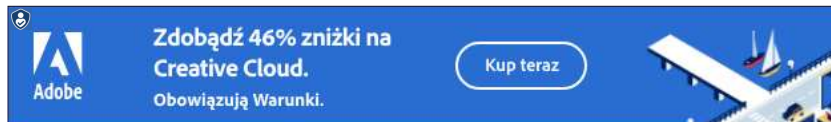
Processor	Average CPU Mark
Intel Core i5-1345U	15,300
Intel Core i5-1335U vs Intel Core i5-1345U	16,553 (+8.2%)
Intel Core i5-1235U vs Intel Core i5-1345U	13,554 (-11.4%)
Intel Core i3-1315U vs Intel Core i5-1345U	12,654 (-17.3%)
Intel Core i3-1220P vs Intel Core i5-1345U	14,422 (-5.7%)
Intel Core i5-1334U vs Intel Core i5-1345U	13,669 (-10.7%)
Intel Core i5-1245U vs Intel Core i5-1345U	13,538 (-11.5%)
Intel Core i5-13420H vs Intel Core i5-1345U	18,922 (+23.7%)
Intel Core Ultra 5 125U vs Intel Core i5-1345U	18,752 (+22.6%)
Intel Core i7-1365U vs Intel Core i5-1345U	15,189 (-0.7%)
Intel Core Ultra 5 125U vs Intel Core i5-1345U	18,752 (+22.6%)
Intel Core i5-11400H @ 2.70GHz vs Intel Core i5-1345U	15,783 (+3.2%)
Apple M2 8 Core 3500 MHz vs Intel Core i5-1345U	15,382 (+0.5%)

Is the Intel Core i5-1345U Good for Gaming?

As of 4th of March 2024 - Higher results represent better performance

Processor	Relative Gaming Score
Intel Core i7-14650HX	7,167
Intel Core i9-14900HX	7,096
Intel Core i9-13950HX	7,043
	6,892

AMD Ryzen 9 7945HX3D	6,880
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Intel Core i9-13980HX	6,682
Intel Core i9-13905H	6,403
Intel Core i7-13850HX	6,355
Intel Core i9-13900HK	6,222
Intel Core Ultra 9 185H	5,981
Intel Core i7-13800H	5,950
Intel Core i5-1345U	4,059



Adobe Zdobądź 46% zniżki na Creative Cloud. Obowiązują Warunki. [Kup teraz](#)

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