

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Core i5-14600

Price and performance details for the Intel Core i5-14600 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 i5-14600 Good for Gaming?

This is a newly released CPU that contains 14 Cores and 20 Threads. The Intel Core i5-14600 also has great single threaded performance that will serve well in games. Paired with a good [videocard](#), *is this CPU Good for Gaming?* Yes, this is a high end chip that would be great for gaming. [\[More ...\]](#)



Intel Core i5-14600	
Description: Intel UHD Graphics 770	
Class: Desktop	Socket: FCLGA1700
Total Cores: 14 Cores, 20 Threads	
Performance Cores: 6 Cores, 12 Threads, 2.7 GHz Base, 5.2 GHz Turbo	
Efficient Cores: 8 Cores, 8 Threads, 2.0 GHz Base, 3.9 GHz Turbo	
Typical TDP: 65 W	TDP Up : 154 W
Cache per CPU Package:	

Average CPU Mark



35145

Single Thread Rating: 4036
Samples: 16*
*[Margin for error](#): Medium

+ COMPARE

L2 Cache: 1 x 2048 KB

L3 Cache: 0 MB

 CPU Benchmarks

3200 MT/s, ECC Supported)

Other names: Intel(R) Core(TM) i5-14600, Intel Core i5-14600

CPU First Seen on Charts: Q1 2024

CPUmark/\$Price: 137.82

Overall Rank: 220

Last Price Change: [\\$255.00 USD](#) (2024-01-01)

CPU Test Suite Average Results for Intel Core i5-14600

Integer Math	115,204 MOps/Sec
Floating Point Math	84,486 MOps/Sec
Find Prime Numbers	150 Million Primes/Sec
Random String Sorting	45,720 Thousand Strings/Sec
Data Encryption	24,903 MBytes/Sec
Data Compression	429,985 KBytes/Sec
Physics	2,296 Frames/Sec
Extended Instructions	25,229 Million Matrices/Sec
Single Thread	4,036 MOps/Sec

From submitted results to PerformanceTest V10 as of 12th of June 2024.

CPU Mark Distribution for Intel Core i5-14600

Submitted Baseline Distribution Graph as of 11th of June 2024

Not Enough Data from Current Version of PerformanceTest to Create Distribution Graph.



Search for Intel Core i5-14600
from the Featured Merchants below:



Note: PassMark Software may earn compensation for sales from links on this site through affiliate programs.

Pricing History

Machines with this CPU (or similar)

[illegible]

\$1735.05
(www.amazon.com)



[Acer Aspire C24-1700-UA91 AIO Desktop](#) | [23.8" Full HD IPS Display](#) | [12th Gen Intel Core i3-1215U](#) | [Intel UHD Graphics](#) | [8GB DDR4](#) | [512GB NVMe M.2 SSD](#) | [Intel Wireless Wi-Fi 6](#) | [Windows 11 Home](#) [Black](#)

\$529.99
(www.amazon.com)

CPU Mark Relative to Top 10 Common Desktop CPUs

As of 12th of June 2024 - Higher results represent better performance

Processor	Average CPU Mark	
Intel Core i9-13900K		59,297
Intel Core i9-12900K		41,397
AMD Ryzen 9 5900X		39,173
Intel Core i5-14600		35,145
Intel Core i7-12700K		34,625
Apple M1 Max 10 Core 3200 MHz		22,034
AMD Ryzen 5 5600X		21,904
Intel Core i9-9900K @ 3.60GHz		18,306
AMD Ryzen 5 3600		17,762
Apple M2 8 Core 3500 MHz		15,498
Apple M1 8 Core 3200 MHz		14,179

CPU Value (CPU Mark / \$Price)

As of 12th of June 2024 - Higher results represent better value

Processor	CPU Mark / \$Price	
AMD Ryzen 5 3600		208.99
AMD Ryzen 5 5600X		158.47
AMD Ryzen 9 5900X		157.32
Intel Core i5-14600		137.82
Intel Core i9-12900K		131.00
Intel Core i9-13900K		128.59
Intel Core i7-12700K		84.66
Intel Core i5-14600		53.37

Apple M1 8 Core 3200 MHz		NA
Apple M1 Max 10 Core 3200 MHz		NA

 CPU Benchmarks ▼

Single Thread Rating

As of 12th of June 2024 - Higher results represent better performance

Processor	Average Thread Rating	
Intel Core i9-13900K		4,632
Intel Core i9-12900K		4,167
Intel Core i5-14600		4,036
Intel Core i7-12700K		4,034
Apple M2 8 Core 3500 MHz		3,922
Apple M1 Max 10 Core 3200 MHz		3,837
Apple M1 8 Core 3200 MHz		3,699
AMD Ryzen 9 5900X		3,471
AMD Ryzen 5 5600X		3,361
Intel Core i9-9900K @ 3.60GHz		2,931
AMD Ryzen 5 3600		2,568

Last 5 Baselines for Intel Core i5-14600

Most recent listed first

Baseline	CPU Mark	
BL2121159 - Jun 11 2024		31565
BL2112783 - May 30 2024		38167
BL2108431 - May 24 2024		36757
BL2101652 - May 15 2024		37642
BL2099085 - May 12 2024		35980

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

Regular comparisons for Intel Core i5-14600

Processor	Average CPU Mark	
Intel Core i5-14600		35,145
AMD Ryzen 5 7600X vs Intel Core i5-14600		28,535 (-18.8%)
Intel Core i5-14600KF vs Intel Core i5-14600		39,463 (+12.3%)
Intel Core i5-14500 vs Intel Core i5-14600		32,661 (-7.1%)
AMD Ryzen 7 8700G vs Intel Core i5-14600		31,702 (-9.8%)
Intel Core i5-13600K vs Intel Core i5-14600		38,086 (+8.4%)
Intel Core i5-13600KF vs Intel Core i5-14600		37,861 (+7.7%)
AMD Ryzen 7 7700X vs Intel Core i5-14600		35,958 (+2.3%)
Intel Core i5-13500 vs Intel Core i5-14600		32,033 (-8.9%)
Intel Core i5-14400 vs Intel Core i5-14600		26,380 (-24.9%)
AMD Ryzen 7 7700 vs Intel Core i5-14600		34,590 (-1.6%)
AMD Ryzen 5 7600 vs Intel Core i5-14600		27,195 (-22.6%)
Intel Core i5-13600 vs Intel Core i5-14600		32,397 (-7.8%)

Is the Intel Core i5-14600 Good for Gaming?

As of 12th of June 2024 - Higher results represent better performance

Processor	Relative Gaming Score	
Intel Core i9-14900KS		9,454
AMD Ryzen 9 7900X3D		9,270
AMD Ryzen 7 7800X3D		9,050
Intel Core i9-13900KS		8,552
AMD Ryzen 9 7950X3D		8,394
Intel Core i9-14900K		8,134
		8,012

AMD Ryzen 5 5600X3D	7,884
-------------------------------------	-----------------------

 CPU Benchmarks ▼

Intel Core i7-14700K	7,542
Intel Core i7-13790F	7,532
Intel Core i7-14700KF	7,523
Intel Core i5-14600	3,531



Software

- [BurnInTest](#)
- [PerformanceTest](#)
- [OSForensics](#)
- [MemTest86](#)
- [WirelessMon](#)
- [Management Console](#)
- [Zoom Search Engine](#)
- [Free Software](#)

Benchmarks

- [CPU Benchmarks](#)
- [Video Card Benchmarks](#)
- [Hard Drive Benchmarks](#)
- [RAM Benchmarks](#)
- [PC Systems Benchmarks](#)
- [Software Marketshare](#)
- [Database Benchmarks](#)
- [Android Benchmarks](#)
- [iOS Benchmarks](#)
- [Internet Bandwidth](#)

Services

Hardware

- [USB3.0 Loopback Plugs](#)
- [USB2.0 Loopback Plugs](#)
- [PCIe Test Cards](#)
- [USB Power Delivery Tester](#)
- [Serial and Parallel Loopback Plugs](#)
- [USB Short Circuit Testers](#)

About Us

- [Company](#)
- [Contact Us](#)
- [The Press Room](#)

International

Support

Refunds



CPU Benchmarks



Social



Copyright © 2024 PassMark® Software

