

Leaked Intel Core i5-14600K benchmark at both normal and overclocked clocks

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Benchmark results of Intel's Intel Core i5-14600K CPU at both base clock and overclock have just been revealed on Geekbench 6. This 14th generation chip is oriented by Intel to target the popular segment in the price range. 300 USD in the US, and will compete directly with the Ryzen 5 and Ryzen 7 CPU lines from AMD.

The specifications of the Intel Core i5-14600K CPU are basically nothing complicated. You'll get a total of 6 high-performance P cores (12 threads) and 8 low-power E cores (8 threads), for a total of 14 cores and 20 threads. These cores are all built on the same 10ESF process node and use the Raptor Cove & Gracemont core architecture. The chip provides 24MB of L3 cache and 20MB of L2 cache. The CPU runs at a base clock speed of 3.5GHz and a boost clock speed of up to 5.3GHz (on one core).

1. Core i5-14600K: 14 cores (6+8)/20 threads/boost 5.3GHz/L3 cache 24MB/125W/TBD
2. Core i5-13600K: 14 cores (6+8)/20 threads/5.1GHz boost/24MB L3 cache/125W/\$319
3. Core i5-12600K: 10 cores (6+4)/16 threads/4.9GHz boost/20MB L3 cache/125W/\$318

The latest benchmark results have been added to the Geekbench 6 database showing what to expect from the CPU's stock and overclocked performance.

2779

Single-Core Score

16707

Multi-Core Score

Geekbench 6.2.0 for Windows AVX2

Valid

Result Information

User	TestKT
Upload Date	September 29 2023 09:04 AM
Views	10

System Information

System Information	
Operating System	Microsoft Windows 11 Pro (64-bit)
Model	ASUS System Product Name
Motherboard	ASUSTeK COMPUTER INC. TUF GAMING Z790-PLUS WIFI
Power Plan	Zrwnwaony

CPU Information

TipsMake.com

Name	Intel(R) Core(TM) i5-14600KF
Topology	1 Processor, 14 Cores, 20 Threads
Identifier	GenuineIntel Family 6 Model 183 Stepping 1
Base Frequency	3.50 GHz
Cluster 1	6 Cores
Cluster 2	8 Cores
Maximum Frequency	3500 MHz
Package	Socket 1700 LGA
Codename	Raptor Lake
L1 Instruction Cache	32.0 KB x 10
L1 Data Cache	48.0 KB x 10
L2 Cache	2.00 MB x 2
L3 Cache	24.0 MB x 1

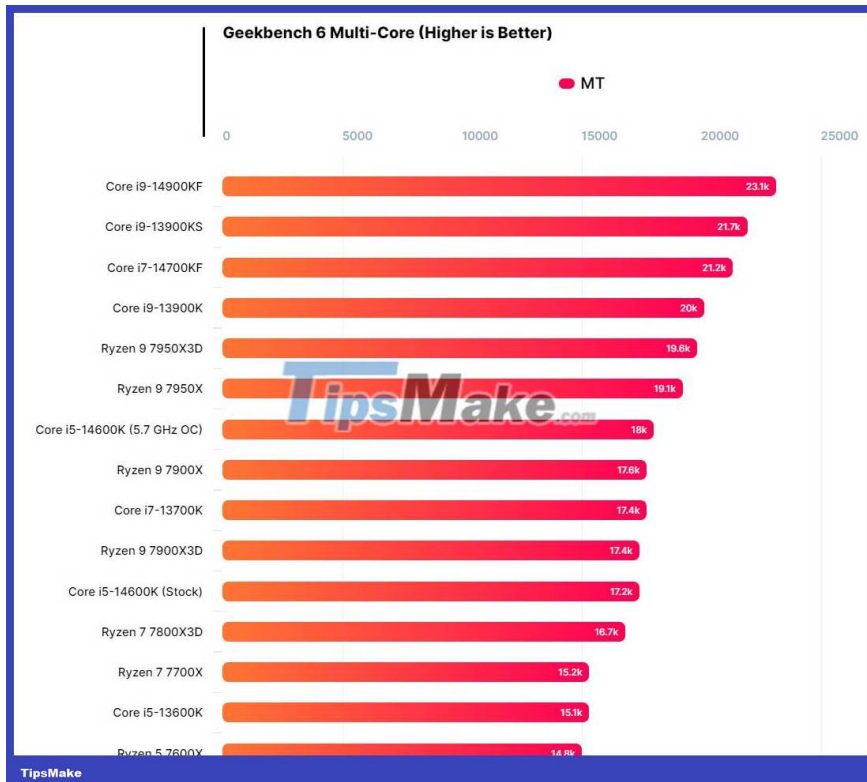
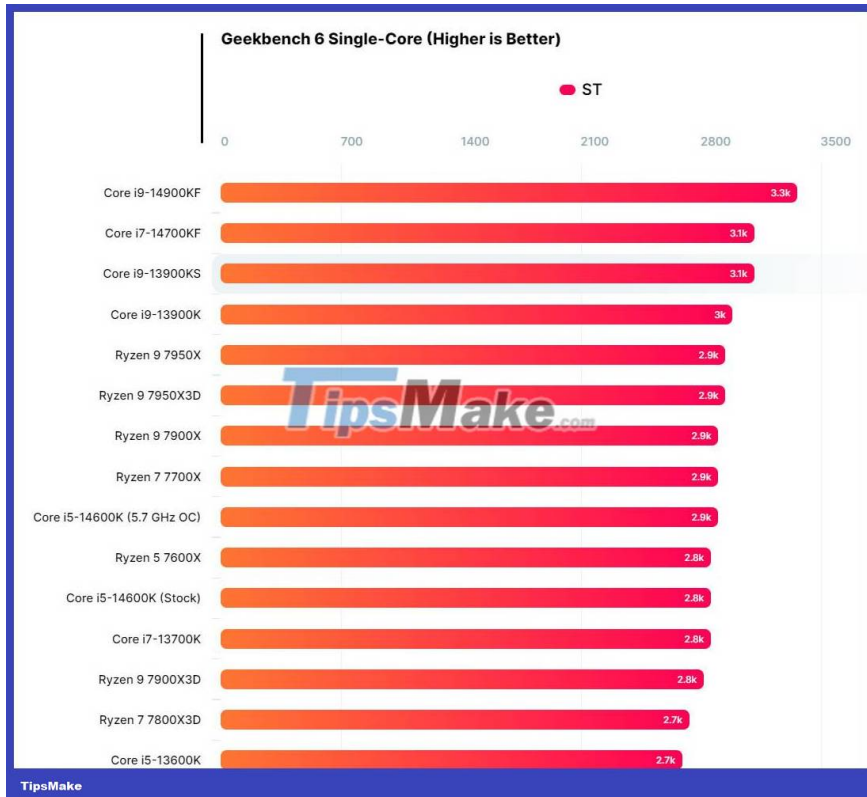
Memory Information

Size	32.00 GB
Transfer Rate	5200 MT/s
Type	DDR5 SDRAM

2861 Single-Core Score	17974 Multi-Core Score
Geekbench 6.2.0 for Windows AVX2 Valid	
Result Information	
Upload Date	September 28 2023 10:28 AM
Views	42
System Information	
System Information	
Operating System	Microsoft Windows 11 Pro (64-bit)
Model	Gigabyte Technology Co., Ltd. Z790 AORUS MASTER X
Motherboard	Gigabyte Technology Co., Ltd. Z790 AORUS MASTER X
Power Plan	Rovnovha
CPU Information	
Name	Intel(R) Core(TM) i5-14600K
Topology	1 Processor, 14 Cores, 20 Threads
Identifier	GenuineIntel Family 6 Model 183 Stepping 1
Base Frequency	3.50 GHz
Cluster 1	6 Cores
Cluster 2	8 Cores
Maximum Frequency	5300 MHz
Package	Socket 1700 LGA
Codename	Raptor Lake
L1 Instruction Cache	32.0 KB x 10
L1 Data Cache	48.0 KB x 10
L2 Cache	2.00 MB x 2
L3 Cache	24.0 MB x 1
Memory Information	
Size	48.00 GB
Transfer Rate	7600 MT/s
Type	DDR5 SDRAM

The first review applies to a system using Core i5-14600K with ASUS TUF Gaming Z790-PLUS WIFI motherboard, DDR5-5200 memory (32GB capacity). The results returned include a single-core score of 2819 and a multi-core score of 16,707, equivalent to a 6% increase in single-core performance and a 13% increase in multi-core performance compared to the i5-13600K.

The second review runs on the Gigabyte Z790 AORUS Master This configuration results in a single-core performance score of 2,861 points and a multi-core performance score of 17,974 points. That means a 1.5% increase in single-core performance and an 8% increase in multi-core performance.



Intel is expected to release 14th generation Core i9-14900K, Core i7-14700K & Core i5-14600K CPU models this year. Specifically, according to a report from Videocardz, Intel's 14th generation Raptor Lake Refresh desktop CPU line will be available for sale starting this October, which is one month after its first launch at the Innovation 2023 event.

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