

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Core i7-10700T @ 2.00GHz

Price and performance details for the Intel Core i7-10700T @ 2.00GHz 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.

Intel Core i7-10700T @ 2.00GHz

Description: Intel UHD Graphics 630

Class:
Desktop

Socket:
FCLGA1200

Clockspeed:
2.0 GHZ

Turbo Speed:
4.5 GHZ

Cores:
8
Threads:
16

Typical TDP:
35 W

TDP Down:
25 W

Other names: Intel(R) Core(TM) i7-10700T CPU @ 2.00GHz

CPU First Seen on Charts: Q2 2020

Average CPU Mark


13143

Single Thread Rating: 2676

Samples: 84*

*[Margin for error](#) : Low

[+ COMPARE](#)

Overall Rank: 503

[Home](#) CPU Benchmarks ▼

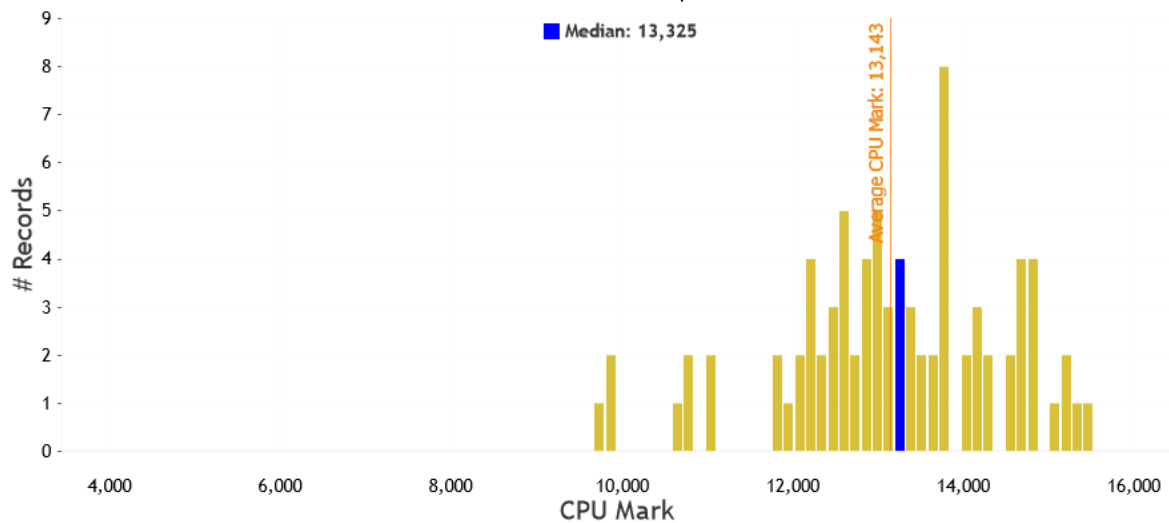
CPU Test Suite Average Results for Intel Core i7-10700T @ 2.00GHz

Integer Math	50,913 MOps/Sec
Floating Point Math	31,276 MOps/Sec
Find Prime Numbers	39 Million Primes/Sec
Random String Sorting	25 Thousand Strings/Sec
Data Encryption	4,673 MBytes/Sec
Data Compression	191.0 MBytes/Sec
Physics	635 Frames/Sec
Extended Instructions	11,427 Million Matrices/Sec
Single Thread	2,676 MOps/Sec

From submitted results to PerformanceTest V10 as of 28th of March 2022.



CPU Mark Distribution for Intel Core i7-10700T @ 2.00GHz

Submitted Baseline Distribution Graph as of 23rd of March 2022



From submitted results to PerformanceTest V10 as of 23rd of March 2022.

[Home](#) CPU Benchmarks ▼

	\$445.99 USD	BUY NOW!
	NA	CPU Not Available. See Other Models

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

Pricing History



CPU Mark Relative to Top 10 Common Desktop CPUs

As of 29th of March 2022 - Higher results represent better performance

Processor

Average CPU Mark

AMD Ryzen 9 3900X	32,766
AMD Ryzen 7 3700X	22,723
Apple M1 Max 10 Core 3200 MHz	22,686
Apple M1 Pro 10 Core 3200 MHz	22,424
Intel Core i7-10700K @ 3.80GHz	19,312
Intel Core i9-9900K @ 3.60GHz	18,736
AMD Ryzen 5 3600	17,825
Apple M1 8 Core 3200 MHz	14,769
Intel Core i7-9700K @ 3.60GHz	14,546

Intel Core i7-10700T @ 2.00GHz	13,143
--------------------------------	--------

CPU Benchmarks ▼

CPU Value (CPU Mark / \$Price)

As of 29th of March 2022 - Higher results represent better value

Processor	CPU Mark / \$Price
AMD Ryzen 5 3600	99.09
AMD Ryzen 7 3700X	65.30
AMD Ryzen 9 3900X	64.25
Intel Core i7-10700K @ 3.80GHz	58.52
Intel Core i7-8700K @ 3.70GHz	41.34
Intel Core i7-9700K @ 3.60GHz	35.14
Intel Core i9-9900K @ 3.60GHz	32.60
Intel Core i7-10700T @ 2.00GHz	29.47
Apple M1 8 Core 3200 MHz	NA
Apple M1 Max 10 Core 3200 MHz	NA
Apple M1 Pro 10 Core 3200 MHz	NA

Single Thread Rating

As of 29th of March 2022 - Higher results represent better performance

Processor	Average Thread Rating
Apple M1 Max 10 Core 3200 MHz	3.850
Apple M1 Pro 10 Core 3200 MHz	3.849
Apple M1 8 Core 3200 MHz	3.764
Intel Core i7-10700K @ 3.80GHz	3.075
Intel Core i9-9900K @ 3.60GHz	2.962
Intel Core i7-9700K @ 3.60GHz	2.900
Intel Core i7-8700K @ 3.70GHz	2.766
AMD Ryzen 9 3900X	2.726

Intel Core i7-10700T @ 2.00GHz	2,676
--------------------------------	-------

CPU Benchmarks ▼

Last 5 Baselines for Intel Core i7-10700T @ 2.00GHz

Most recent listed first

Baseline	CPU Mark
BL1537781 - Mar 23 2022	3572
BL5013722 - Mar 18 2022	13831
BL1533879 - Mar 16 2022	15556
BL1533255 - Mar 15 2022	12998
BL1533205 - Mar 15 2022	12984

Popular comparisons for Intel Core i7-10700T @ 2.00GHz

As of 29th of March 2022 - Higher results represent better performance

Processor	Average CPU Mark
Intel Core i7-10700T @ 2.00GHz	13,143
AMD Ryzen 7 5800X	28,394
Intel Core i9-10900T @ 1.90GHz	15,133
Intel Core i9-9900T @ 2.10GHz	13,947
Intel Core i7-8700K @ 3.70GHz	13,873
Intel Core i7-9700K @ 3.60GHz	14,546
Intel Core i7-8086K @ 4.00GHz	14,572
AMD Ryzen 5 3600XT	18,795
Intel Core i7-6900K @ 3.20GHz	14,203
AMD Ryzen 3 3300X	12,760
AMD Ryzen 7 2700X	17,584
AMD Ryzen 3 3100	11,670
AMD Ryzen 7 2700	15,649

CPU Benchmarks ▼

Software

[BurnInTest](#)

[PerformanceTest](#)

[OSForensics](#)

[MemTest86](#)

[WirelessMon](#)

[Zoom Search Engine](#)

[Free Software](#)

Benchmarks

[CPU Benchmarks](#)

[Video Card Benchmarks](#)

[Hard Drive Benchmarks](#)

[RAM Benchmarks](#)

[PC Systems Benchmarks](#)

[Android Benchmarks](#)

[iOS / iPhone Benchmarks](#)

[Software Marketshare](#)

[Internet Bandwidth](#)

Services

[Store](#)

[Support](#)

[Forums](#)

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

[Disclaimer](#)

[Refunds](#)

[Privacy](#)

[Social](#)



Copyright © 2022 PassMark® Software

