

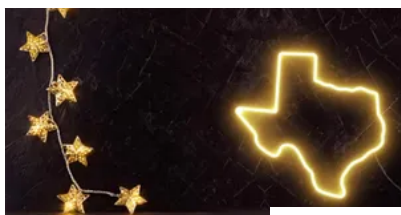
# CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

## Intel Core i7-8700T @ 2.40GHz

Price and performance details for the Intel Core i7-8700T @ 2.40GHz 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.



Constellation Energy - Sponsored

Avoid rate spikes this winter

[View Plans](#)

### Intel Core i7-8700T @ 2.40GHz

**Description:** Intel UHD Graphics 630

**Class:**  
Desktop

**Socket:**  
FCLGA1151-2

**Clockspeed:**  
2.4 GHZ

**Turbo Speed:**  
4.0 GHZ

**Cores:**  
6  
**Threads:**  
12

**Typical TDP:**  
35 W

**Other names:** Intel(R) Core(TM) i7-8700T CPU @ 2.40GHz

**CPU First Seen on Charts:** Q1 2018

**CPUmark/\$Price:** 30.80

### Average CPU Mark

  
**10469**

Single Thread Rating: 2362

Samples: 293\*

\*[Margin for error](#) : Low

[+ COMPARE](#)

PerformanceTest V9

CPU Mark: 12,662

Thread: 2,344



Last Price Change: [\\$339.88 USD](#) (2022-02-06)

## CPU Benchmarks ▼

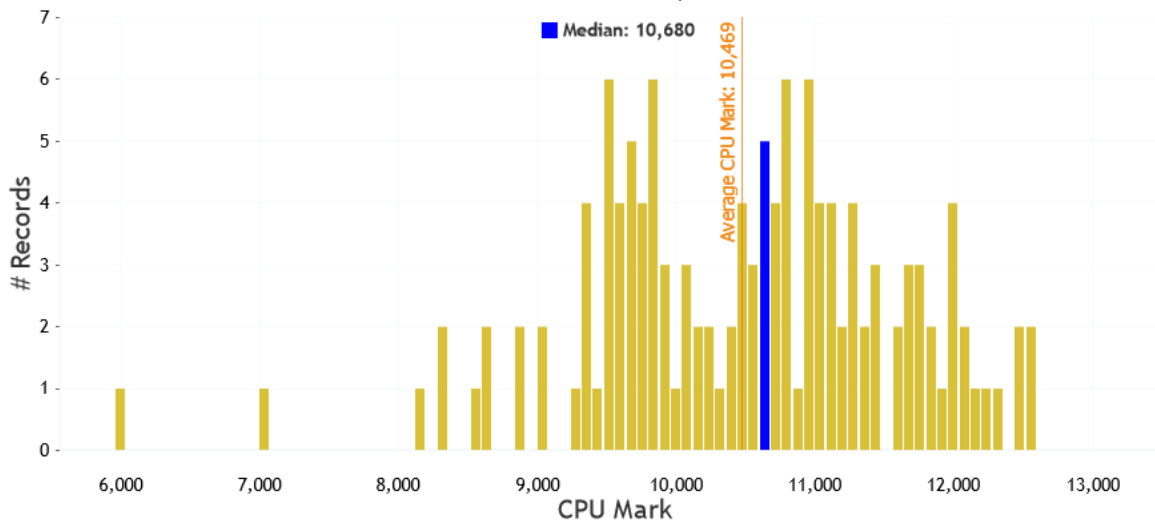
## CPU Test Suite Average Results for Intel Core i7-8700T @ 2.40GHz

Integer Math	38,092 MOps/Sec
Floating Point Math	23,607 MOps/Sec
Find Prime Numbers	30 Million Primes/Sec
Random String Sorting	20 Thousand Strings/Sec
Data Encryption	3,677 MBytes/Sec
Data Compression	147.6 MBytes/Sec
Physics	602 Frames/Sec
Extended Instructions	9,189 Million Matrices/Sec
Single Thread	2,362 MOps/Sec

From submitted results to PerformanceTest V10 as of 26th of March 2022.

## CPU Mark Distribution for Intel Core i7-8700T @ 2.40GHz

Submitted Baseline Distribution Graph as of 23rd of March 2022



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

Merchant

Price

Purchase





NA

[CPU Not Available. See Other Models](#)[Home](#) CPU Benchmarks ▼**CPU Mark Relative to Top 10 Common Desktop CPUs***As of 27th of March 2022 - Higher results represent better performance*

Processor	Average CPU Mark
<a href="#">AMD Ryzen 9 3900X</a>	<a href="#">32,766</a>
<a href="#">AMD Ryzen 7 3700X</a>	<a href="#">22,725</a>
<a href="#">Apple M1 Max 10 Core 3200 MHz</a>	<a href="#">22,689</a>
<a href="#">Apple M1 Pro 10 Core 3200 MHz</a>	<a href="#">22,429</a>
<a href="#">Intel Core i7-10700K @ 3.80GHz</a>	<a href="#">19,316</a>
<a href="#">Intel Core i9-9900K @ 3.60GHz</a>	<a href="#">18,737</a>
<a href="#">AMD Ryzen 5 3600</a>	<a href="#">17,825</a>
<a href="#">Apple M1 8 Core 3200 MHz</a>	<a href="#">14,771</a>
<a href="#">Intel Core i7-9700K @ 3.60GHz</a>	<a href="#">14,546</a>
<a href="#">Intel Core i7-8700K @ 3.70GHz</a>	<a href="#">13,873</a>
Intel Core i7-8700T @ 2.40GHz	10,469

**CPU Value (CPU Mark / \$Price )***As of 27th of March 2022 - Higher results represent better value*

Processor	CPU Mark / \$Price
<a href="#">AMD Ryzen 5 3600</a>	<a href="#">99.09</a>
<a href="#">AMD Ryzen 7 3700X</a>	<a href="#">65.12</a>
<a href="#">AMD Ryzen 9 3900X</a>	<a href="#">64.25</a>
<a href="#">Intel Core i7-10700K @ 3.80GHz</a>	<a href="#">58.72</a>
<a href="#">Intel Core i7-8700K @ 3.70GHz</a>	<a href="#">41.34</a>
<a href="#">Intel Core i7-9700K @ 3.60GHz</a>	<a href="#">36.28</a>
<a href="#">Intel Core i9-9900K @ 3.60GHz</a>	<a href="#">32.60</a>



<a href="#">Apple M1 8 Core 3200 MHz</a>	<a href="#">NA</a>
<a href="#">Apple M1 Pro 10 Core 3200 MHz</a>	<a href="#">NA</a>

## CPU Benchmarks ▼

### Single Thread Rating

As of 27th of March 2022 - Higher results represent better performance

Processor	Average Thread Rating
<a href="#">Apple M1 Max 10 Core 3200 MHz</a>	<a href="#">3,849</a>
<a href="#">Apple M1 Pro 10 Core 3200 MHz</a>	<a href="#">3,849</a>
<a href="#">Apple M1 8 Core 3200 MHz</a>	<a href="#">3,763</a>
<a href="#">Intel Core i7-10700K @ 3.80GHz</a>	<a href="#">3,075</a>
<a href="#">Intel Core i9-9900K @ 3.60GHz</a>	<a href="#">2,962</a>
<a href="#">Intel Core i7-9700K @ 3.60GHz</a>	<a href="#">2,900</a>
<a href="#">Intel Core i7-8700K @ 3.70GHz</a>	<a href="#">2,766</a>
<a href="#">AMD Ryzen 9 3900X</a>	<a href="#">2,726</a>
<a href="#">AMD Ryzen 7 3700X</a>	<a href="#">2,681</a>
<a href="#">AMD Ryzen 5 3600</a>	<a href="#">2,577</a>
Intel Core i7-8700T @ 2.40GHz	2,362

### Last 5 Baselines for Intel Core i7-8700T @ 2.40GHz

Most recent listed first

Baseline	CPU Mark
<a href="#">BL1529557 - Mar 10 2022</a>	<a href="#">11630</a>
<a href="#">BL1529086 - Mar 09 2022</a>	<a href="#">10637</a>
<a href="#">BL1528352 - Mar 07 2022</a>	<a href="#">10532</a>
<a href="#">BL1527075 - Mar 05 2022</a>	<a href="#">10807</a>
<a href="#">BL1520618 - Feb 22 2022</a>	<a href="#">8941</a>



## CPU Benchmarks ▼

As of 27th of March 2022 - Higher results represent better performance

Processor	Average CPU Mark
Intel Core i7-8700T @ 2.40GHz	10,469
<a href="#">Intel Core i7-8700 @ 3.20GHz</a>	<a href="#">13,053</a>
<a href="#">Intel Core i5-8600K @ 3.60GHz</a>	<a href="#">10,192</a>
<a href="#">Intel Core i7-6850K @ 3.60GHz</a>	<a href="#">11,303</a>
<a href="#">AMD Ryzen 5 3400G</a>	<a href="#">9,335</a>
<a href="#">Intel Core i5-9600K @ 3.70GHz</a>	<a href="#">10,793</a>
<a href="#">Intel Core i5-8600 @ 3.10GHz</a>	<a href="#">9,848</a>
<a href="#">Intel Core i7-8700K @ 3.70GHz</a>	<a href="#">13,873</a>
<a href="#">Intel Core i7-5820K @ 3.30GHz</a>	<a href="#">9,805</a>
<a href="#">AMD Ryzen 5 2400G</a>	<a href="#">8,729</a>
<a href="#">Intel Core i7-7700 @ 3.60GHz</a>	<a href="#">8,639</a>
<a href="#">Intel Core i5-8500 @ 3.00GHz</a>	<a href="#">9,603</a>
<a href="#">AMD Ryzen 5 1600</a>	<a href="#">12,322</a>

### Software

[BurnInTest](#)

[PerformanceTest](#)

[OSForensics](#)

[MemTest86](#)

[WirelessMon](#)

[Zoom Search Engine](#)

[Free Software](#)

### 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](#)



[CPU Benchmarks](#)

[Video Card Benchmarks](#)

[Company](#)

[Contact Us](#)



## CPU Benchmarks ▼

[RAM Benchmarks](#)

[PC Systems Benchmarks](#)

[Android Benchmarks](#)

[iOS / iPhone Benchmarks](#)

[Software Marketshare](#)

[Internet Bandwidth  
Services](#)

[Store](#)

[Support](#)

[Forums](#)

[International](#)

[Disclaimer](#)

[Refunds](#)

[Privacy](#)

[Social](#)



Copyright © 2022 PassMark® Software

