

# CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

## Intel Core i7-6700 @ 3.40GHz

Price and performance details for the Intel Core i7-6700 @ 3.40GHz 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 CPU Mark 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 i7-6700 @ 3.40GHz

#### Description:

**Class:**  
Desktop

**Socket:**  
LGA 1151

**Clockspeed:**  
3.4 GHZ

**Turbo Speed:**  
4.0 GHZ

**Cores:**  
4  
**Threads:**  
8

**Typical TDP:**  
65 W

**Other names:** Intel(R) Core(TM) i7-6700 CPU @ 3.40GHz

**CPU First Seen on Charts:** Q2 2015

**CPUmark/\$Price:** 31.67

### Average CPU Mark

  
**8077**

Single Thread Rating: 2303

Samples: 8029\*

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

[+ COMPARE](#)

PerformanceTest V9

CPU Mark: 10,092

Thread: 2,166

Last Price Change: [\\$255.00 USD](#) (2022-03-26)

## CPU Benchmarks

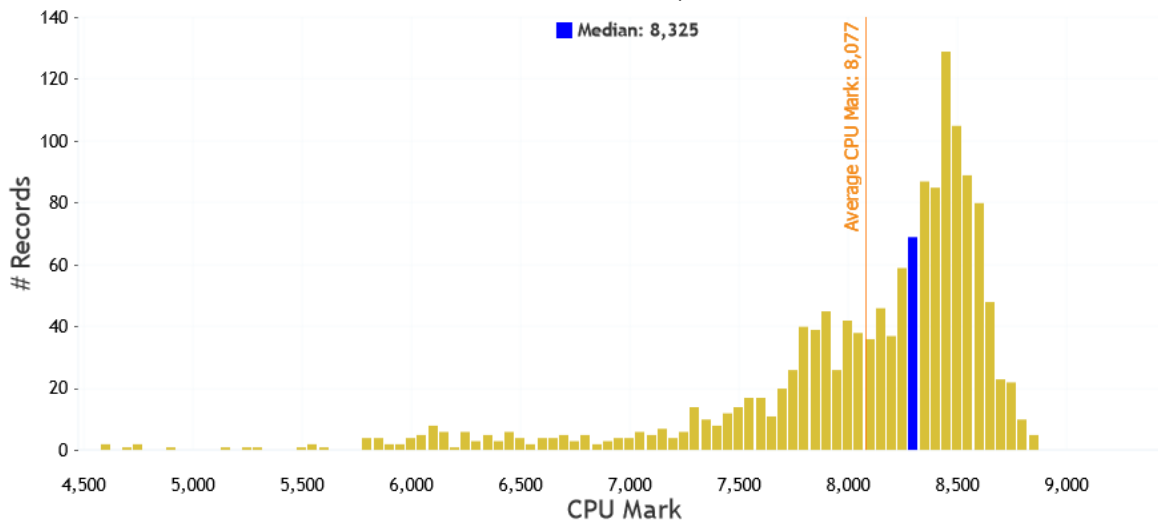
### CPU Test Suite Average Results for Intel Core i7-6700 @ 3.40GHz

Integer Math	25,771 MOps/Sec
Floating Point Math	16,097 MOps/Sec
Find Prime Numbers	27 Million Primes/Sec
Random String Sorting	15 Thousand Strings/Sec
Data Encryption	2,699 MBytes/Sec
Data Compression	111.5 MBytes/Sec
Physics	566 Frames/Sec
Extended Instructions	7,529 Million Matrices/Sec
Single Thread	2,303 MOps/Sec

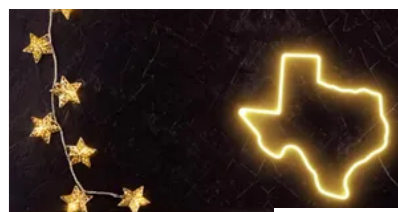
From submitted results to PerformanceTest V10 as of 26th of March 2022.


### CPU Mark Distribution for Intel Core i7-6700 @ 3.40GHz

Submitted Baseline Distribution Graph as of 23rd of March 2022





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



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	NA	<a href="#">CPU Not Available. See Other Models</a>
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## Pricing History



## 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>

Intel Core i7-6700 @ 3.40GHz	8,077
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### 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>
Intel Core i7-6700 @ 3.40GHz	31.67
<a href="#">Apple M1 8 Core 3200 MHz</a>	<a href="#">NA</a>
<a href="#">Apple M1 Max 10 Core 3200 MHz</a>	<a href="#">NA</a>
<a href="#">Apple M1 Pro 10 Core 3200 MHz</a>	<a href="#">NA</a>

### 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>

[AMD Ryzen 5 3600](#)[2,577](#)[Home](#) CPU Benchmarks ▼

## Last 5 Baselines for Intel Core i7-6700 @ 3.40GHz

*Most recent listed first*

Baseline	CPU Mark
<a href="#">BL1539870 - Mar 27 2022</a>	<a href="#">7885</a>
<a href="#">BL1539504 - Mar 26 2022</a>	<a href="#">6574</a>
<a href="#">BL1539330 - Mar 26 2022</a>	<a href="#">8063</a>
<a href="#">BL1538864 - Mar 25 2022</a>	<a href="#">8040</a>
<a href="#">BL1538600 - Mar 24 2022</a>	<a href="#">8435</a>

## Popular comparisons for Intel Core i7-6700 @ 3.40GHz

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

Processor	Average CPU Mark
Intel Core i7-6700 @ 3.40GHz	8,077
<a href="#">Intel Core i7-6700K @ 4.00GHz</a>	<a href="#">8,956</a>
<a href="#">AMD FX-8370 Eight-Core</a>	<a href="#">6,123</a>
<a href="#">Intel Core i7-6700T @ 2.80GHz</a>	<a href="#">7,273</a>
<a href="#">AMD Ryzen 5 2400G</a>	<a href="#">8,729</a>
<a href="#">AMD FX-9590 Eight-Core</a>	<a href="#">6,751</a>
<a href="#">Intel Core i7-4790 @ 3.60GHz</a>	<a href="#">7,235</a>
<a href="#">Intel Core i7-4790K @ 4.00GHz</a>	<a href="#">8,060</a>
<a href="#">Intel Core i5-10300H @ 2.50GHz</a>	<a href="#">8,698</a>
<a href="#">Intel Core i7-3770K @ 3.50GHz</a>	<a href="#">6,460</a>
<a href="#">AMD Ryzen 3 3200G</a>	<a href="#">7,192</a>
<a href="#">Intel Core i5-7500 @ 3.40GHz</a>	<a href="#">6,066</a>
<a href="#">Intel Core i5-7600K @ 3.80GHz</a>	<a href="#">6,868</a>

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