CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Core i7-11700 @ 2.50GHz

Price and performance details for the Intel Core i7-11700 @ 2.50GHz 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.

CPUS

High End

High Mid Range

Low Mid Range

Low End

Best Value (On Market)

Best Value XY Scatter

Best Value (All time)

New Desktop

New Laptop

Single Thread

Systems with Multiple CPUs

Overclocked

Power Performance

CPU Mark by Socket Type

Cross-Platform CPU Performance

CPU Mega List

Search Model

Compare 0

Common

Most Benchmarked

AMD vs Intel

Intel Core i7-11700 @ 2.50GHz

Description: Intel Iris Xe Graphics

Class: Desktop	**Socket:** FCLGA1200
Clockspeed: 2.5 GHZ	**Turbo Speed:** 4.4 GHZ
Cores: 8	**Typical TDP:** 95 W
Threads: 16	
TDP Down: 65 W	

Other names: 11th Gen Intel(R) Core(TM) i7-11700 @ 2.50GHz

CPU First Seen on Charts: Q1 2021

CPUmark/$Price: 65.28

Overall Rank: 280

Last Price Change: $313.97 USD (2022-06-27)

Average CPU Mark

20497

Single Thread Rating: 3163

Samples: 131*

*Margin for error: Low

+ COMPARE

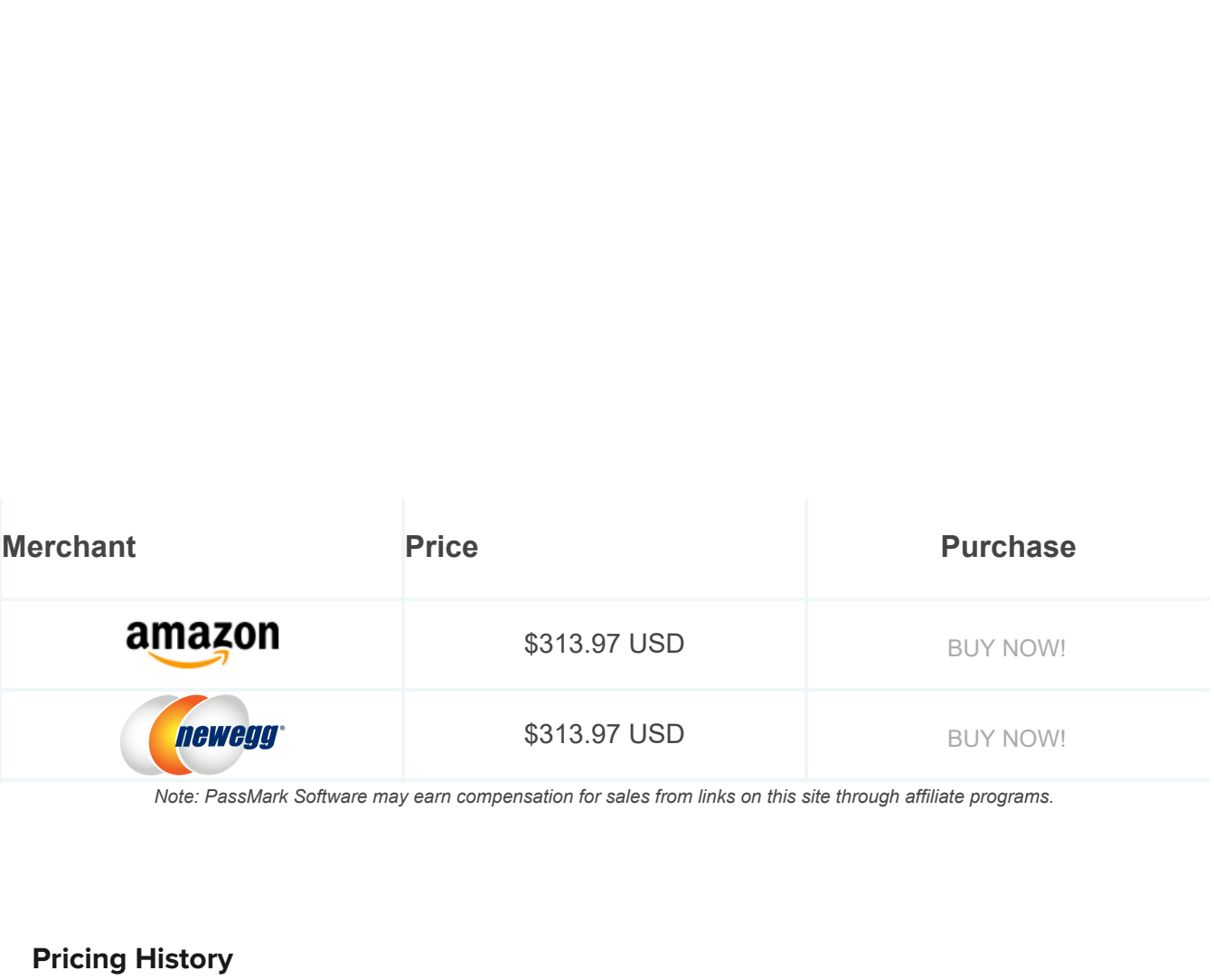
CPU Test Suite Average Results for Intel Core i7-11700 @ 2.50GHz

Integer Math	80,232 MOps/Sec
Floating Point Math	46,345 MOps/Sec
Find Prime Numbers	54 Million Primes/Sec
Random String Sorting	30 Thousand Strings/Sec
Data Encryption	13,187 MBytes/Sec

Data Compression	255.9 MBytes/Sec
Extended Instructions	18,394 Million Matrices/Sec
Single Thread	3,163 MOps/Sec

From submitted results to PerformanceTest V10 as of 27th of June 2022.

CPU Mark Distribution for Intel Core i7-11700 @ 2.50GHz

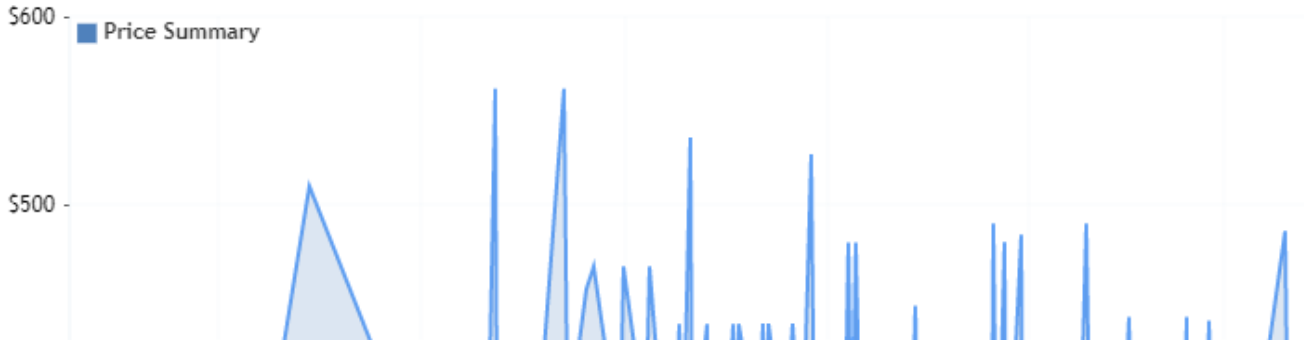


From submitted results to PerformanceTest V10 as of 22nd of June 2022.

Merchant	Price	Purchase
amazon	$313.97 USD	BUY NOW!
newegg	$313.97 USD	BUY NOW!

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 28th of June 2022 - Higher results represent better performance

Processor	Average CPU Mark	
AMD Ryzen 7 3700X		22,731
Apple M1 Max 10 Core 3200 MHz		22,429
Apple M1 Pro 10 Core 3200 MHz		22,210
AMD Ryzen 5 5600X		22,019
Intel Core i7-11700 @ 2.50GHz		20,497
Intel Core i7-10700K @ 3.80GHz		19,243
Intel Core i9-9900K @ 3.60GHz		18,670
AMD Ryzen 5 3600		17,830
Apple M1 8 Core 3200 MHz		14,617
Intel Core i7-9700K @ 3.60GHz		14,551
Intel Core i7-8700K @ 3.70GHz		13,838

CPU Value (CPU Mark / $Price)

As of 28th of June 2022 - Higher results represent better value

Processor	CPU Mark / $Price	
AMD Ryzen 5 3600		142.65
AMD Ryzen 5 5600X		123.71
AMD Ryzen 7 3700X		71.49
Intel Core i7-11700 @ 2.50GHz		65.28
Intel Core i7-10700K @ 3.80GHz		61.68
Intel Core i7-9700K @ 3.60GHz		45.30
Intel Core i7-8700K @ 3.70GHz		42.71
Intel Core i9-9900K @ 3.60GHz		30.72
Apple M1 8 Core 3200 MHz		NA

Apple M1 Max 10 Core 3200 MHz		NA

CPU Benchmarks

Single Thread Rating

As of 28th of June 2022 - Higher results represent better performance

Processor	Average Thread Rating	
Apple M1 Max 10 Core 3200 MHz		3,852
Apple M1 Pro 10 Core 3200 MHz		3,839
Apple M1 8 Core 3200 MHz		3,759
AMD Ryzen 5 5600X		3,359
Intel Core i7-11700 @ 2.50GHz		3,163
Intel Core i7-10700K @ 3.80GHz		3,072
Intel Core i9-9900K @ 3.60GHz		2,956
Intel Core i7-9700K @ 3.60GHz		2,898
Intel Core i7-8700K @ 3.70GHz		2,761
AMD Ryzen 7 3700X		2,667
AMD Ryzen 5 3600		2,571

Last 5 Baselines for Intel Core i7-11700 @ 2.50GHz

Most recent listed first

Baseline	CPU Mark	
BL1587451 - Jun 27 2022 [Overclocked]		19935
BL1587042 - Jun 26 2022		11896
BL1586812 - Jun 26 2022 [Overclocked]		15331
BL1585386 - Jun 23 2022		19086
BL1585377 - Jun 23 2022 [Overclocked]		20653

Popular comparisons for Intel Core i7-11700 @ 2.50GHz

As of 28th of June 2022 - Higher results represent better performance

Processor	Average CPU Mark	
Intel Core i7-11700 @ 2.50GHz		20,497
AMD Ryzen 7 5700G		24,576

Intel Core i7-11700K @ 3.60GHz		24,717

CPU Benchmarks

AMD Ryzen 7 3700X		22,731
AMD Ryzen 7 4700G		20,209
AMD Ryzen 7 5800X		28,188
Intel Core i9-11900K @ 3.50GHz		25,556
Intel Core i9-11900KF @ 3.50GHz		25,289
Intel Core i7-11700KF @ 3.60GHz		24,108
AMD Ryzen 7 3800XT		23,793
Intel Core i9-11900 @ 2.50GHz		23,105
Intel Core i7-11700F @ 2.50GHz		21,335