🏠 CPU Benchmarks ▼
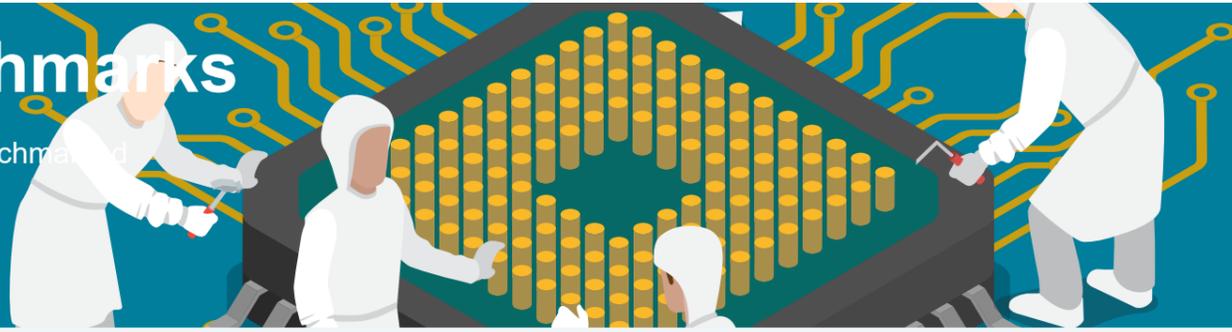
CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Core m3-8100Y @ 1.10GHz

Price and performance details for the Intel Core m3-8100Y @ 1.10GHz 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

Intel Core m3-8100Y @ 1.10GHz	
Description: Intel UHD Graphics 615	**Class:** Laptop
Socket: FCBGA1515	**Clockspeed:** 1.1 GHz
Turbo Speed: 3.4 GHz	**Cores:** 2 **Threads:** 4
TDP Down: 4.5 W	**TDP Up** : 8 W
Typical TDP: 5 W [3]	

Other names: Intel(R) Core(TM) m3-8100Y CPU @ 1.10GHz

CPU First Seen on Charts: Q4 2018

CPUmark/$Price: 10.69

Overall Rank: 1434

Last Price Change: $281.00 USD (2018-07-01)

[3] Actual CPU performance may differ from the average depending on the CPU power/performance trade off specified by the vendor.

Average CPU Mark

3005

Single Thread Rating: 1793
Cross-Platform Rating: 5758
Samples: 67*
*Margin for error: Low

+ COMPARE

PerformanceTest V9
CPU Mark: 3,776 Thread: 1,498

CPU Test Suite Average Results for Intel Core m3-8100Y @ 1.10GHz

Integer Math	9,145 MOps/Sec

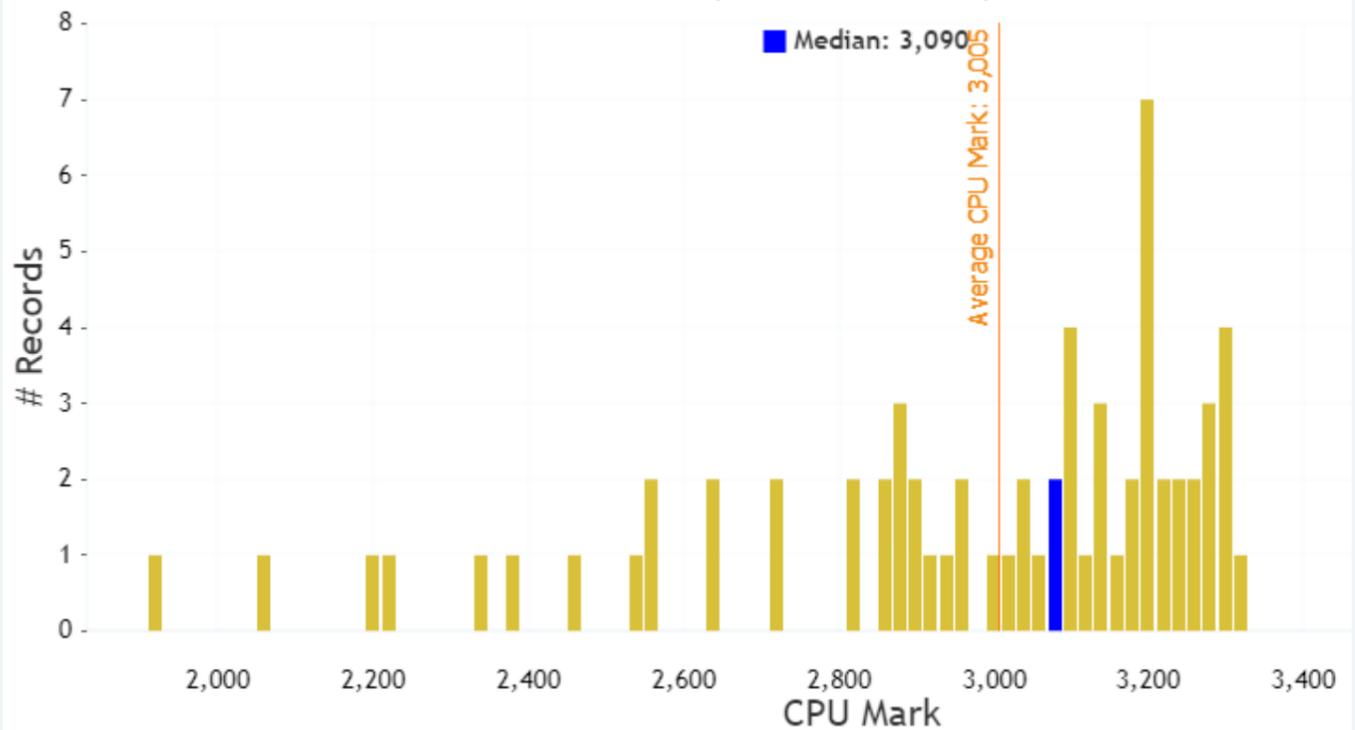| Floating Point Math	5,728 MOps/Sec
Random String Sorting	5 Thousand Strings/Sec
Data Encryption	949.8 MBytes/Sec
Data Compression	38.0 MBytes/Sec
Physics	282 Frames/Sec
Extended Instructions	2,513 Million Matrices/Sec
Single Thread	1,793 MOps/Sec

From submitted results to PerformanceTest V10 as of 2nd of September 2021.

CPU Mark Distribution for Intel Core m3-8100Y @ 1.10GHz

Submitted Baseline Distribution Graph as of 1st of September 2021

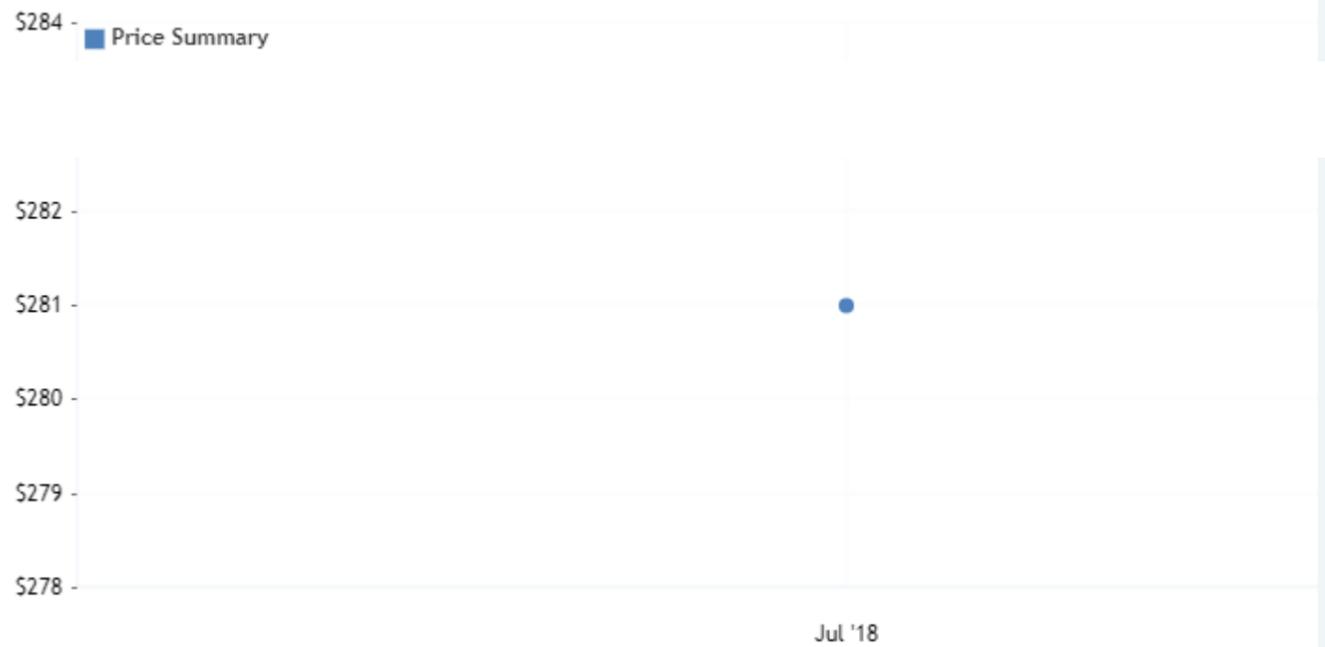*From submitted results to PerformanceTest V10 as of 1st of September 2021.*

Search for Intel Core m3-8100Y @ 1.10GHz

from the Featured Merchants below:

amazon

newegg

ebay

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

Pricing History

CPU Benchmarks

$284 - ■ Price Summary

$282 -

$281 -   ●

$280 -

$279 -

$278 -

Jul '18

CPU Mark Relative to Top 10 Common Laptop CPUs

As of 3rd of September 2021 - Higher results represent better performance

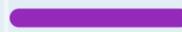| Processor	Average CPU Mark	
AMD Ryzen 7 4800H		19,181
Apple M1 8 Core 3200 MHz		15,162
Intel Core i7-10750H @ 2.60GHz		12,524
Intel Core i7-9750H @ 2.60GHz		11,293
AMD Ryzen 5 4500U		11,219
Intel Core i7-8750H @ 2.20GHz		10,132
AMD Ryzen 5 3500U		7,936
Intel Core i7-7700HQ @ 2.80GHz		6,941
Microsoft ARM SQ1 @ 3.0 GHz		3,953
Intel Core m3-8100Y @ 1.10GHz		3,005
Celeron Dual-Core T3500 @ 2.10GHz		768

CPU Value (CPU Mark / $Price)

As of 3rd of September 2021 - Higher results represent better value

Processor	CPU Mark / $Price	
Intel Core i7-8750H @ 2.20GHz		25.65
Intel Core i7-7700HQ @ 2.80GHz		18.36
Intel Core i7-9750H @ 2.60GHz		11.76

Intel Core m3-8100Y @ 1.10GHz		10.69

🏠 **CPU Benchmarks** ▼

Celeron Dual-Core T3500 @ 2.10GHz		NA
Microsoft ARM SQ1 @ 3.0 GHz		NA
AMD Ryzen 5 3500U		NA
AMD Ryzen 7 4800H		NA
AMD Ryzen 5 4500U		NA
Intel Core i7-10750H @ 2.60GHz		NA

Single Thread Rating

As of 3rd of September 2021 - Higher results represent better performance

Processor	Average Thread Rating	
Apple M1 8 Core 3200 MHz		3,778
Intel Core i7-10750H @ 2.60GHz		2,735
AMD Ryzen 7 4800H		2,650
Intel Core i7-9750H @ 2.60GHz		2,501
AMD Ryzen 5 4500U		2,469
Intel Core i7-8750H @ 2.20GHz		2,341
AMD Ryzen 5 3500U		2,124
Intel Core i7-7700HQ @ 2.80GHz		2,067
Microsoft ARM SQ1 @ 3.0 GHz		1,849
Intel Core m3-8100Y @ 1.10GHz		1,793
Celeron Dual-Core T3500 @ 2.10GHz		872

Last 5 Baselines for Intel Core m3-8100Y @ 1.10GHz

Most recent listed first

Baseline	CPU Mark	
BL8015586 - Aug 08 2021		1939
BL1434242 - Aug 06 2021		3017

BL1421829 - Jun 27 2021		3274

🏠 **CPU Benchmarks** ▼

BL1402087 - May 04 2021		3039

Popular comparisons for Intel Core m3-8100Y @ 1.10GHz

As of 3rd of September 2021 - Higher results represent better performance

Processor	Average CPU Mark	
Intel Core m3-8100Y @ 1.10GHz		3,005
Intel Core i5-5200U @ 2.20GHz		2,513
Intel Core i5-5300U @ 2.30GHz		2,726
Intel Core i3-7020U @ 2.30GHz		2,573
Intel Core i5-8200Y @ 1.30GHz		2,308
Intel Core i3-8130U @ 2.20GHz		3,668
Intel Core i3-7102E @ 2.10GHz		2,521
Intel Core i5-4210M @ 2.60GHz		2,934
Intel Core i3-7100H @ 3.00GHz		3,430
Intel Core i3-6102E @ 1.90GHz		2,349
Intel Core M-5Y71 @ 1.20GHz		2,261
Intel Core i3-8145U @ 2.10GHz		3,814
Intel Core i5-4330M @ 2.80GHz		3,208

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

Benchmarks

> CPU Benchmarks

> Video Card Benchmarks

> Hard Drive Benchmarks

> RAM Benchmarks

> PC Systems Benchmarks

> Android Benchmarks

About Us

> Company

> Contact Us

> The Press Room

Services

Store

Support

Forums

International

Disclaimer

Refunds

Privacy

Social

🐦 ▶️

🏠 **CPU Benchmarks** ▼

🏠 **CPU Benchmarks** ▼