








CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Core i3-8145U @ 2.10GHz

Price and performance details for the Intel Core i3-8145U @ 2.10GHz 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	Intel Core i3-8145U @ 2.10GHz		Average CPU Mark
 High End High Mid Range Low Mid Range Low End	Description: Intel UHD Graphics 620	Class: Laptop	 3699
 Best Value (On Market) Best Value XY Scatter Best Value (All time)	Socket: FCBGA1528	Clockspeed: 2.1 GHz	Single Thread Rating: 2063 Cross-Platform Rating: 6667 Samples: 259* * Margin for error: Low
 New Desktop New Laptop	Turbo Speed: 3.9 GHz	Cores: 2 Threads : 4	+ COMPARE
 Single Thread Systems with Multiple CPUs Overclocked Power Performance CPU Mark by Socket Type Cross-Platform CPU Performance	TDP Down: 10 W	TDP Up : 25 W	PerformanceTest V9 CPU Mark: 5,449 Thread: 2,164
 CPU Mega List Search Model	Typical TDP: 15 W		
	Other names: Intel(R) Core(TM) i3-8145U CPU @ 2.10GHz		
	CPU First Seen on Charts: Q4 2018		
	CPUmark/\$Price: 13.16		
	Overall Rank: 976		
	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.

 Compare ⁰

 CPU Benchmarks ▼

Most Benchmarked

-  AMD vs Intel Market Share
-  Year on Year Performance

from the Featured Merchants below:

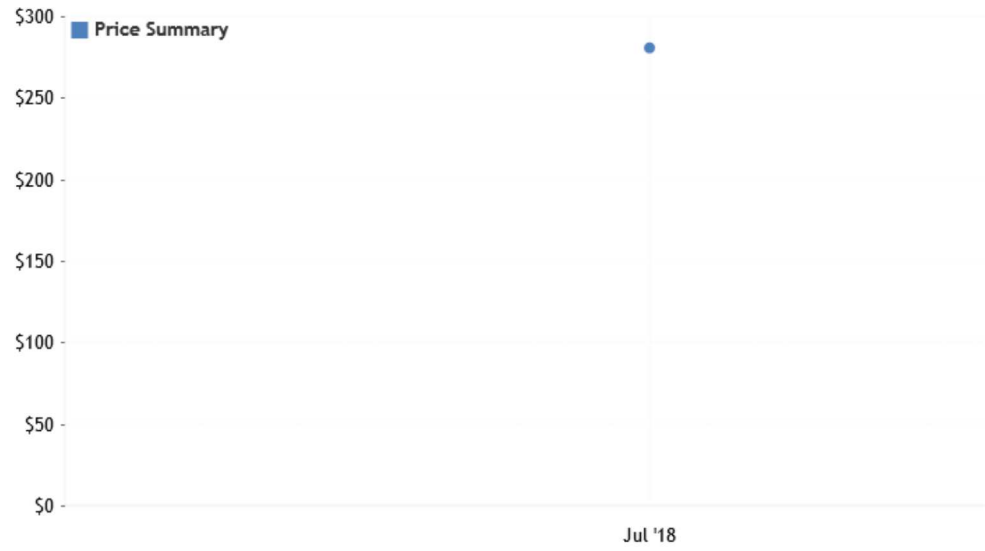






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Pricing History



CPU Mark Relative to Top 10 Common Laptop CPUs

As of 21st of July 2020 - Higher results represent better performance

Processor	Average CPU Mark
AMD Ryzen 7 4800H	19,248
Intel Core i7-9750H @ 2.60GHz	11,427
Intel Core i7-8750H @ 2.20GHz	10,240
Intel Core i5-9400F @ 2.90GHz	9,633
AMD Ryzen 5 3550H	8,134
AMD Ryzen 5 3500U	7,183
Intel Core i7-7700HQ @ 2.80GHz	6,923

 **CPU Benchmarks** ▼

AMD Ryzen 5 2500U	6,622
AMD Ryzen 3 3200U	4,155
Intel Core i3-8145U @ 2.10GHz	3,699

CPU Value (CPU Mark / \$Price)

As of 21st of July 2020 - Higher results represent better value

Processor	CPU Mark / \$Price
Intel Core i5-9400F @ 2.90GHz	60.21
Intel Core i7-9750H @ 2.60GHz	28.93
Intel Core i7-8750H @ 2.20GHz	25.92
Intel Core i7-7700HQ @ 2.80GHz	18.31
Intel Core i7-6700HQ @ 2.60GHz	17.14
Intel Core i3-8145U @ 2.10GHz	13.16
AMD Ryzen 5 3500U	0.00
AMD Ryzen 3 3200U	0.00
AMD Ryzen 5 2500U	0.00
AMD Ryzen 5 3550H	0.00
AMD Ryzen 7 4800H	0.00


Last 5 Baselines for Intel Core i3-8145U @ 2.10GHz

Most recent listed first

Baseline	CPU Mark
BL1269765 - Jul 18 2020	4414
BL1267772 - Jul 14 2020	4259
BL1266780 - Jul 11 2020	3466
BL1261755 - Jun 29 2020	4213
BL1261133 - Jun 28 2020	1940

As of 21st of July 2020 - Higher results represent better performance

Processor	Average CPU Mark
Intel Core i3-8145U @ 2.10GHz	3,699
Intel Core m3-8100Y @ 1.10GHz	3,028
Intel Core i3-8130U @ 2.20GHz	3,563
Intel Core i5-8200Y @ 1.30GHz	3,161
Intel Core i5-7260U @ 2.20GHz	4,106
Intel Core i3-7100H @ 3.00GHz	3,460
Intel Core i5-6442EQ @ 1.90GHz	4,519
AMD Ryzen 3 3200U	4,155
Intel Core i5-4210M @ 2.60GHz	2,820
Intel Core i5-6287U @ 3.10GHz	3,378
Intel Core i5-6260U @ 1.80GHz	3,205
Intel Core i5-4330M @ 2.80GHz	3,238
AMD A8-7680	3,634
Intel Core i3-10110Y @ 1.00GHz	3,639
AMD Athlon 220GE	4,499
Intel Core i3-8121U @ 2.20GHz	4,270

Software	Hardware	Intel Core i7-8500Y @ 1.50GHz Benchmarks	About Us	Services	International
BurnInTest	USB3.0 Loopback Plugs	CPU Benchmarks	Company	Store	Disclaimer
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MemTest86	USB Power Delivery Tester	RAM Benchmarks			
WirelessMon	Serial and Parallel Loopback Plugs	PC Systems Benchmarks			Social
Zoom Search Engine	USB Short Circuit Testers	Android Benchmarks			
Free Software		iOS / iPhone Benchmarks			

