🏠 CPU Benchmarks ▼
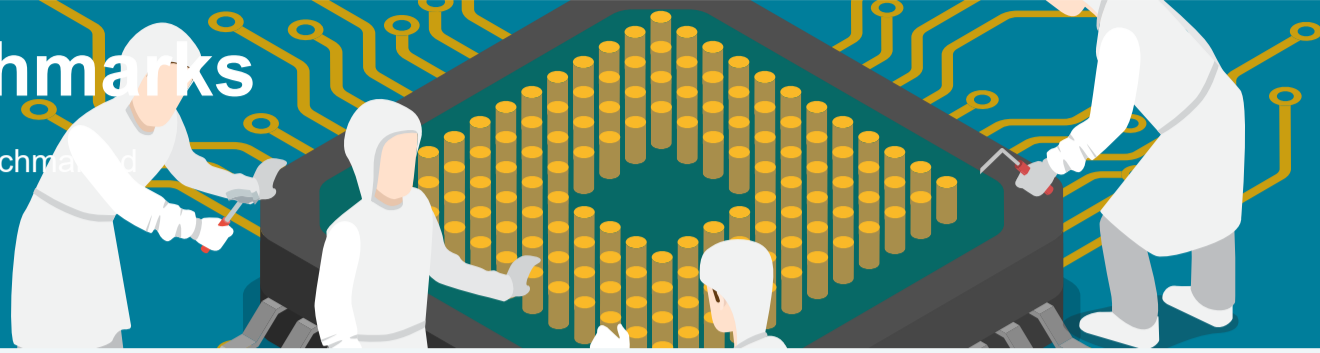
CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Core i9-9880H @ 2.30GHz

Price and performance details for the Intel Core i9-9880H @ 2.30GHz 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

🔍 CPU Mega List
  Search Model

🔲 Compare ⓿

⭐ Common

Intel Core i9-9880H @ 2.30GHz

Description: Intel UHD Graphics 630	**Class:** Laptop
Socket: FCBGA1440	**Clockspeed:** 2.3 GHz
Turbo Speed: 4.8 GHz	**No of Cores:** 8 (2 logical cores per physical)
TDP Down: 35 W	**Typical TDP:** 45 W [3]

Other names: Intel(R) Core(TM) i9-9880H CPU @ 2.30GHz

CPU First Seen on Charts: Q2 2019

CPUmark/$Price: 29.30

Overall Rank: 161
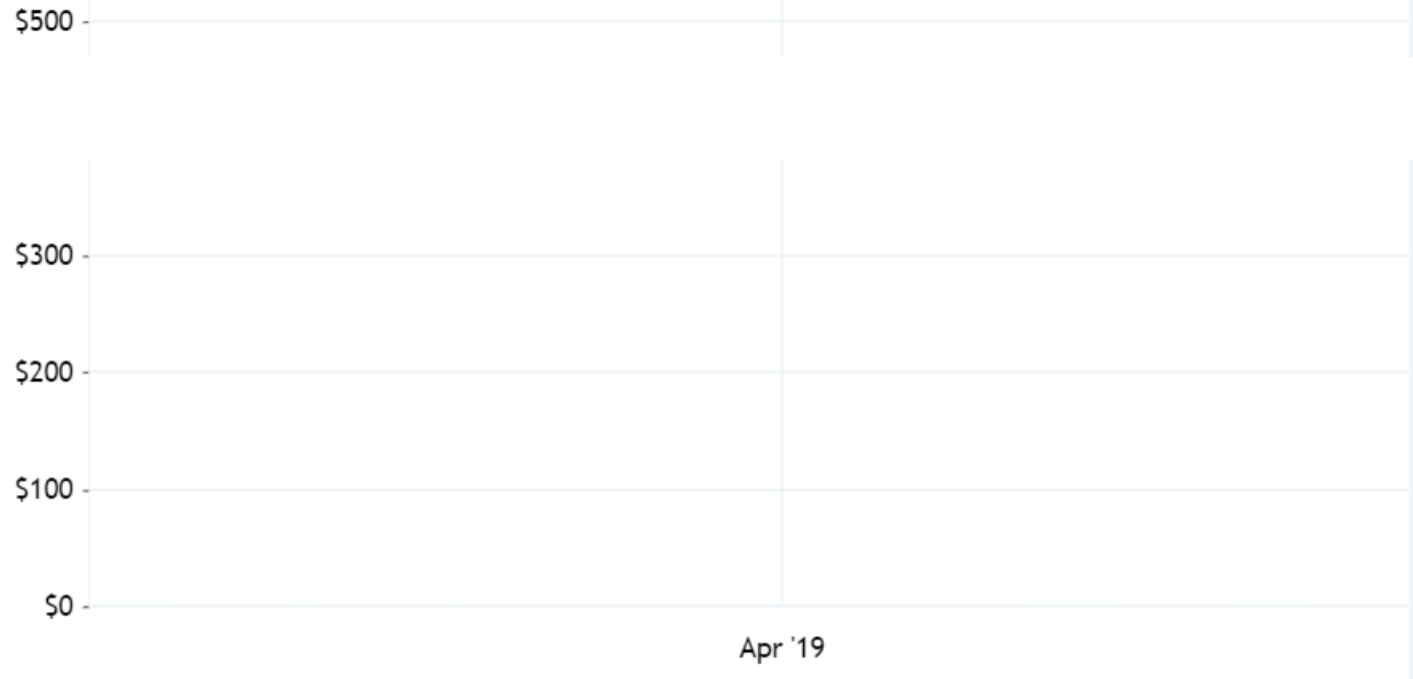
Last Price Change: $556.00 USD (2019-04-01)

[3] Actual CPU performance may differ from the average depending on the CPU power/performance trade off specified by the vendor.
Note: PassMark Software may earn compensation for sales from links on this site through affiliate programs.

Average CPU Mark

🌡️

16290

Single Thread Rating: 2534
Samples: 186*
*Margin for error: Low

[+ COMPARE]

Pricing History

$600 — ■ Price Summary

$500 –

$300 –

$200 –

$100 –

$0 –

Apr '19

CPU Mark Relative to Top 10 Common Laptop CPUs

As of 28th of February 2020 - Higher results represent better performance

| Processor	Average CPU Mark	
Intel Core i9-9880H @ 2.30GHz		16,290
Intel Core i7-8750H @ 2.20GHz		12,387
Intel Core i7-7700HQ @ 2.80GHz		8,758
Intel Core i7-6700HQ @ 2.60GHz		8,126
Intel Core i7-3630QM @ 2.40GHz		7,582
AMD Ryzen 5 2500U		7,326
Intel Core i5-3210M @ 2.50GHz		3,831
AMD A8-7410 APU		2,753
AMD A8-4500M APU		2,666
AMD A8-6410 APU		2,579
AMD E-450 APU		765

CPU Value (CPU Mark / $Price)

As of 28th of February 2020 - Higher results represent better value

Processor	CPU Mark / $Price	
Intel Core i5-3210M @ 2.50GHz		51.74
Intel Core i7-3630QM @ 2.40GHz		31.72
Intel Core i7-8750H @ 2.20GHz		31.36

Intel Core i9-9880H @ 2.30GHz		29.30
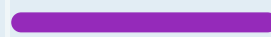
CPU Benchmarks ▼

Intel Core i7-6700HQ @ 2.60GHz		21.50
AMD Ryzen 5 2500U		0.00
AMD A8-4500M APU		0.00
AMD A8-6410 APU		0.00
AMD A8-7410 APU		0.00
AMD E-450 APU		0.00

Last 5 Baselines for Intel Core i9-9880H @ 2.30GHz

Most recent listed first

Baseline	CPU Mark	
BL1355850 - Feb 28 2020		9754
BL1354785 - Feb 25 2020		18036
BL1353455 - Feb 23 2020		16969
BL1353448 - Feb 23 2020		8783
BL1352851 - Feb 22 2020		17512

Popular comparisons for Intel Core i9-9880H @ 2.30GHz

As of 28th of February 2020 - Higher results represent better performance

Processor	Average CPU Mark	
Intel Core i9-9880H @ 2.30GHz		16,290
Intel Core i9-9980HK @ 2.40GHz		17,427
Intel Xeon E-2286M @ 2.40GHz		18,166
Intel Xeon E-2276M @ 2.80GHz		14,440
Intel Core i7-9750H @ 2.60GHz		13,550
Intel Xeon E-2186M @ 2.90GHz		14,459
Intel Core i9-8950HK @ 2.90GHz		14,138
Intel Xeon E-2176M @ 2.70GHz		13,551

Intel Core i7-9850H @ 2.60GHz		13,432
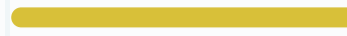
🏠 CPU Benchmarks ▼

Intel Core i7-10710U @ 1.10GHz		12,830
Intel Core i7-8700B @ 3.20GHz		14,963
Intel Core i7-8850H @ 2.60GHz		12,925
Intel Core i5-8259U @ 2.30GHz		10,976
Intel Core i7-8559U @ 2.70GHz		12,219
Intel Core i7-9750HF @ 2.60GHz		14,598
AMD Ryzen 7 PRO 3700U		8,438

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

Benchmarks

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