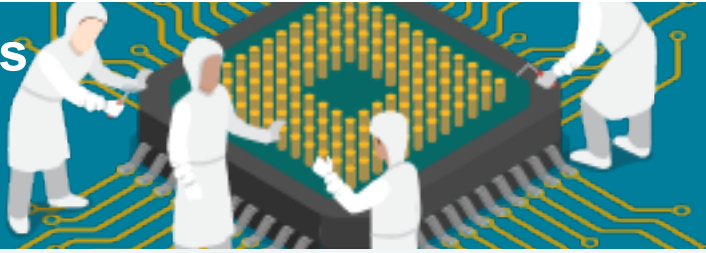


# CPU Benchmarks

Over 1,000,000 CPUs Benchmarked



## New Laptop CPU Performance

This chart comparing performance of CPUs designed for laptop and portable machines is made using thousands of [PerformanceTest](#) benchmark results and is updated daily.

**Notes:**

- While we try to keep this chart mainly desktop CPU free, there might be some desktop processors in the list. This is because the classification of a laptop CPU is determined at result submission time by the user of PerformanceTest. Some users incorrectly clicked the "Laptop" check box.
- The chart shows only CPUs that had their benchmark first submitted within the last 36 months. Older laptop CPUs may not appear.

**MSI Creator Z16P**

Wykonany na obrabiarkach CNC

CreatorZ16P to długa praca na baterii o pojemności 90Whr i szybkie jej ładowanie

[pl.msi.com](http://pl.msi.com)

OTWÓRZ

**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

CPU Mark
Price Performance
Sorted by Date

## PassMark - CPU Mark

Laptop & Portable CPU Performance  
Updated 17th of July 2022

| CPU   | CPU Mark | Price (USD) |
|---|----------|-------------|
| <a href="#">Intel Core i9-12950HX</a>           | 39,136   | \$590.00*   |
| <a href="#">Intel Core i7-12800HX</a>           | 36,511   | \$457.00*   |
| <a href="#">Intel Core i7-12850HX</a>           | 31,111   | \$428.00*   |
| <a href="#">Intel Core i9-12900HX</a>           | 31,048   | \$606.00*   |
| <a href="#">Intel Core i9-12900H</a>            | 29,489   | \$617.00*   |
| <a href="#">Intel Core i9-12900HK</a>           | 28,997   | \$635.00*   |
| <a href="#">Intel Core i7-12700H</a>            | 27,202   | \$457.00*   |
| <a href="#">Intel Core i5-12600HX</a>           | 24,689   | \$284.00*   |
| <a href="#">Intel Core i7-12650H</a>            | 24,600   | \$457.00*   |
| <a href="#">AMD Ryzen 9 6900HX</a>              | 24,589   | NA          |
| <a href="#">AMD Ryzen 9 6900HS</a>              | 24,469   | NA          |
| <a href="#">AMD Ryzen 7 PRO 6850H</a>           | 24,325   | NA          |
| <a href="#">AMD Ryzen 7 6800HS</a>              | 24,067   | NA          |
| <a href="#">AMD Ryzen 7 PRO 6850U</a>           | 23,955   | NA          |
| <a href="#">Intel Core i9-11980HK @ 2.60GHz</a> | 23,619   | \$583.00*   |
| <a href="#">Intel Core i7-12800H</a>            | 23,601   | \$457.00*   |
| <a href="#">AMD Ryzen 7 6800H</a>               | 23,489   | NA          |
| <a href="#">AMD Ryzen 9 PRO 6950HS</a>          | 23,392   | NA          |
| <a href="#">Intel Xeon W-11955M @ 2.60GHz</a>   | 23,376   | \$623.00*   |
| <a href="#">AMD Ryzen 9 5980HX</a>              | 23,219   | NA          |
| <a href="#">AMD Ryzen 9 5900HX</a>              | 23,090   | NA          |
| <a href="#">Intel Core i5-12500H</a>            | 22,783   | \$311.00*   |
| <a href="#">Intel Core i9-11950H @ 2.60GHz</a>  | 22,400   | \$556.00*   |
| <a href="#">Apple M1 Max 10 Core 3200 MHz</a>   | 22,381   | NA          |

|                                    |  |        |           |
|------------------------------------|--|--------|-----------|
| AMD Ryzen 9 5900HS                 |  | 22,182 | NA        |
| Apple M1 Pro 10 Core 3200 MHz      |  | 22,152 | NA        |
| AMD Ryzen 9 5980HS                 |  | 21,491 | NA        |
| AMD Ryzen 7 5800H                  |  | 21,382 | NA        |
| Intel Core i7-11800H @ 2.30GHz     |  | 21,231 | \$395.00* |
| Intel Core i9-11900H @ 2.50GHz     |  | 21,191 | \$546.00* |
| Intel Core i7-11850H @ 2.50GHz     |  | 21,190 | \$395.00* |
| Intel Core i5-12600H               |  | 21,000 | \$311.00* |
| AMD Ryzen 9 5900H                  |  | 20,960 | NA        |
| AMD Ryzen 7 5800HS Creator Edition |  | 20,948 | NA        |
| AMD Ryzen 7 6800U                  |  | 20,795 | NA        |
| AMD Ryzen 7 5800HS                 |  | 20,670 | NA        |
| AMD Ryzen 9 4900HS                 |  | 19,362 | NA        |
| AMD Ryzen 9 4900H                  |  | 19,343 | NA        |
| Intel Core i7-1280P                |  | 19,142 | \$482.00* |
| AMD Ryzen 7 PRO 6850HS             |  | 19,069 | NA        |
| Intel Core i7-1270P                |  | 19,045 | NA        |
| AMD Ryzen 7 4800H                  |  | 18,991 | NA        |
| AMD Ryzen 7 5800U                  |  | 18,913 | NA        |
| AMD Ryzen 7 4800HS                 |  | 18,826 | NA        |
| Intel Xeon W-11855M @ 3.20GHz      |  | 18,810 | \$450.00* |
| Intel Core i5-12450H               |  | 18,622 | \$311.00* |
| AMD Ryzen 7 5825U                  |  | 18,419 | NA        |
| Intel Core i3-1220P                |  | 18,329 | \$281.00* |
| Intel Core i5-1240P                |  | 18,222 | NA        |
| AMD Ryzen 7 Extreme Edition        |  | 18,209 | NA        |
| AMD Ryzen 5 PRO 6650U              |  | 17,622 | NA        |
| AMD Ryzen 7 PRO 5850U              |  | 17,473 | NA        |
| Apple M1 Pro 8 Core 3200 MHz       |  | 17,360 | NA        |
| AMD Ryzen 5 5600H                  |  | 17,189 | NA        |
| Intel Core i7-1260P                |  | 17,102 | NA        |
| AMD Ryzen 5 5560U                  |  | 17,084 | NA        |
| AMD Ryzen 7 4800U                  |  | 16,992 | NA        |
| AMD Ryzen 7 PRO 5875U              |  | 16,759 | NA        |
| Intel Core i7-10700TE @ 2.00GHz    |  | 16,332 | \$330.00* |
| Intel Core i5-11500H @ 2.90GHz     |  | 16,291 | \$250.00* |
| Intel Core i7-10700E @ 2.90GHz     |  | 16,257 | \$330.00* |
| Intel Xeon W-10885M @ 2.40GHz      |  | 16,084 | \$623.00* |
| Intel Core i9-10980HK @ 2.40GHz    |  | 16,076 | \$583.00* |
| Intel Core i5-11400H @ 2.70GHz     |  | 16,032 | \$250.00* |
| AMD Ryzen 7 5700U                  |  | 15,987 | NA        |
| AMD Ryzen 7 4850U Mobile           |  | 15,920 | NA        |
| Intel Core i7-11600H @ 2.90GHz     |  | 15,907 | \$395.00* |
| Intel Core i9-10885H @ 2.40GHz     |  | 15,637 | \$556.00* |
| AMD Ryzen 7 PRO 4750U              |  | 15,468 | NA        |
| Intel Core i7-10875H @ 2.30GHz     |  | 15,396 | \$450.00* |
| AMD Ryzen 5 5600U                  |  | 15,385 | NA        |
| AMD Ryzen 5 PRO 5650U              |  | 15,225 | NA        |
| Intel Core i5-11260H @ 2.60GHz     |  | 15,074 | \$250.00* |
| Apple M2 8 Core 3500 MHz           |  | 15,008 | NA        |
| Intel Core i7-10870H @ 2.20GHz     |  | 14,958 | \$417.00* |

🏠 CPU Benchmarks ▼

📈 AMD vs Intel Market Share  
Year on Year Performance

msi


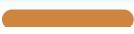
WAKACYJNA Wyprzedaż 2022

ZNIŻKA NAWET DO 2100 zł

intel CORE i7

> KUP TERAZ

Napędzane przez Procesory Intel® Core™ i7 ówunastej generacji

|                        |   |        |    |
|------------------------|---|--------|----|
| AMD Ryzen 5 PRO 4400GE |   | 14,795 | NA |
| AMD Rvzen 5 4600HS     |  | 14,735 | NA |

 CPU Benchmarks 

|                                 |   |        |           |
|---------------------------------|---|--------|-----------|
| AMD Ryzen 5 4600H               |    | 14,712 | NA        |
| AMD Ryzen 5 5625U               |    | 14,598 | NA        |
| Apple M1 8 Core 3200 MHz        |    | 14,569 | NA        |
| Intel Core i5-1235U             |    | 14,167 | \$309.00* |
| AMD Ryzen 7 4700U               |    | 13,613 | NA        |
| AMD Ryzen 5 4600U               |    | 13,438 | NA        |
| AMD Ryzen 5 PRO 5675U           |    | 13,347 | NA        |
| Intel Core i7-1255U             |    | 13,264 | \$426.00* |
| AMD Ryzen 5 5500U               |    | 13,179 | NA        |
| Intel Core i7-1265U             |    | 13,070 | \$426.00* |
| Intel Xeon W-10855M @ 2.80GHz   |    | 12,921 | \$450.00* |
| AMD Ryzen 5 PRO 4650U           |    | 12,843 | NA        |
| Intel Core i3-1215U             |    | 12,550 | NA        |
| Intel Core i7-10750H @ 2.60GHz  |    | 12,303 | NA        |
| Intel Core i7-11375H @ 3.30GHz  |    | 12,258 | \$482.00* |
| Intel Core i3-1210U             |    | 12,130 | NA        |
| Intel Core i7-10850H @ 2.70GHz  |    | 12,120 | \$395.00* |
| AMD Ryzen 5 PRO 4500U           |    | 12,049 | NA        |
| AMD Ryzen 3 PRO 5475U           |    | 12,012 | NA        |
| Intel Core i7-11370H @ 3.30GHz  |    | 12,001 | \$426.00* |
| AMD Ryzen 3 5400U               |    | 11,871 | NA        |
| Intel Core i5-10500H @ 2.50GHz  |   | 11,611 | \$250.00* |
| AMD Ryzen 3 PRO 5450U           |  | 11,559 | NA        |
| Intel Core i7-9750HF @ 2.60GHz  |  | 11,159 | \$395.00* |
| Intel Core i7-1185G7E @ 2.80GHz |  | 11,114 | \$431.00* |
| AMD Ryzen 5 4500U               |  | 11,082 | NA        |
| Intel Core i5-11300H @ 3.10GHz  |  | 11,041 | \$309.00* |
| AMD Ryzen 3 PRO 4200GE          |  | 10,930 | NA        |
| Intel Core i7-1185G7 @ 3.00GHz  |  | 10,870 | \$426.00* |
| Intel Core i7-1195G7 @ 2.90GHz  |  | 10,861 | \$426.00* |
| Intel Core i7-9700TE @ 1.80GHz  |  | 10,826 | \$323.00* |
| Intel Core i5-11320H @ 3.20GHz  |  | 10,656 | \$309.00* |
| Intel Core i7-11390H @ 3.40GHz  |  | 10,590 | \$426.00* |
| Intel Core i7-1165G7 @ 2.80GHz  |  | 10,507 | \$426.00* |
| Intel Core i5-1145G7 @ 2.60GHz  |  | 10,290 | NA        |
| AMD Ryzen 3 5425U               |  | 10,203 | NA        |
| Intel Core i5-1155G7 @ 2.50GHz  |  | 10,186 | \$309.00* |
| AMD Ryzen 3 PRO 4450U           |  | 10,169 | NA        |
| Intel Core i5-1135G7 @ 2.40GHz  |  | 10,090 | \$309.00* |
| Intel Core i7-1068NG7 @ 2.30GHz |  | 10,066 | \$426.00* |
| Intel Core i7-10710U @ 1.10GHz  |  | 10,017 | \$644.99* |
| AMD Ryzen 3 5300U               |  | 9,992  | NA        |
| Intel Core i5-10500TE @ 2.30GHz |  | 9,960  | \$195.00* |
| Intel Core i3-1125G4 @ 2.00GHz  |  | 9,912  | NA        |
| Intel Core i5-1230U             |  | 9,896  | \$309.00* |
| Intel Core i5-1038NG7 @ 2.00GHz |  | 9,629  | \$320.00* |
| Intel Core i7-1160G7 @ 1.20GHz  |  | 9,531  | \$426.00* |
| Intel Core i5-9500TE @ 2.20GHz  |  | 9,212  | \$192.00* |
| Intel Core i7-9850HL @ 1.90GHz  |  | 9,112  | \$395.00* |



|                                      |   |       |           |
|--------------------------------------|---|-------|-----------|
| Intel Core i5-1130G7 @ 1.10GHz       |       | 9,040 | \$309.00* |
| Intel Core i5-10400H @ 2.60GHz       |      | 8,913 | \$250.00* |
| Intel Core i5-10300H @ 2.50GHz       |    | 8,657 | \$250.00* |
| Intel Core i7-8569U @ 2.80GHz        |    | 8,636 | \$431.00* |
| Intel Core i5-1035G7 @ 1.20GHz       |    | 8,497 | \$320.00* |
| Intel Core i5-10200H @ 2.40GHz       |    | 8,391 | \$250.00* |
| Intel Core i5-9400H @ 2.50GHz        |    | 8,271 | \$250.00* |
| Intel Core i7-8557U @ 1.70GHz        |    | 8,225 | \$431.00* |
| Intel Core i5-1035G4 @ 1.10GHz       |    | 8,194 | \$309.00* |
| Intel Core i5-8269U @ 2.60GHz        |    | 8,055 | \$320.00* |
| Intel Core i7-10810U @ 1.10GHz       |    | 8,012 | \$443.00* |
| Intel Core i5-8260U @ 1.60GHz        |    | 7,854 | \$439.99* |
| Intel Core i5-8279U @ 2.40GHz        |    | 7,803 | \$320.00* |
| Intel Core i5-8257U @ 1.40GHz        |    | 7,682 | \$320.00* |
| AMD Ryzen 7 3780U                    |    | 7,651 | NA        |
| Intel Core i5-1035G1 @ 1.00GHz       |    | 7,628 | \$297.00* |
| Intel Core i5-9300HF @ 2.40GHz       |    | 7,617 | \$250.00* |
| AMD Ryzen 3 4300U                    |    | 7,573 | NA        |
| Intel Core i3-10100T @ 3.00GHz       |    | 7,407 | \$122.00* |
| AMD Ryzen 5 3580U                    |    | 7,383 | NA        |
| AMD Ryzen 7 3700C                    |    | 7,145 | NA        |
| Intel Core i7-10610U @ 1.80GHz       |    | 7,013 | \$409.00* |
| Intel Core i7-1060NG7 @ 1.20GHz      |    | 6,971 | NA        |
| Intel Core i7-10510U @ 1.80GHz       |   | 6,792 | \$409.00* |
| AMD Ryzen 5 3450U                    |  | 6,790 | NA        |
| Intel Pentium Gold 8505              |  | 6,771 | NA        |
| Intel Core i5-10310U @ 1.70GHz       |  | 6,557 | \$297.00* |
| Intel Core i5-10210U @ 1.60GHz       |  | 6,382 | \$702.62* |
| Intel Core i3-1115G4 @ 3.00GHz       |  | 6,233 | \$281.00* |
| Intel Core i7-8565UC @ 1.80GHz       |  | 6,187 | NA        |
| Intel Core i5-1030NG7 @ 1.10GHz      |  | 6,106 | NA        |
| AMD Ryzen 3 3350U                    |  | 5,889 | NA        |
| AMD Ryzen 3 3300U                    |  | 5,778 | NA        |
| Intel Core i5-7440EQ @ 2.90GHz       |  | 5,711 | \$250.00* |
| Intel Core i5-8365UE @ 1.60GHz       |  | 5,555 | \$297.00* |
| Intel Pentium Gold 7505 @ 2.00GHz    |  | 5,303 | NA        |
| AMD Ryzen 5 3500C                    |  | 5,214 | NA        |
| Intel Core i3-1005G1 @ 1.20GHz       |  | 5,097 | \$281.00* |
| Intel Core i7-8665UE @ 1.70GHz       |  | 5,017 | \$409.00* |
| Intel Core i7-10510Y @ 1.20GHz       |  | 5,016 | \$403.00* |
| Intel Core i5-10210Y @ 1.00GHz       |  | 4,964 | NA        |
| Microsoft ARM SQ1 @ 3.0 GHz          |  | 4,868 | NA        |
| Intel Core i5-6442EQ @ 1.90GHz       |  | 4,598 | \$250.00* |
| Intel Pentium Silver N6005 @ 2.00GHz |  | 4,589 | NA        |
| AMD Athlon Silver 3050GE             |  | 4,545 | NA        |
| Intel Core i3-9100TE @ 2.20GHz       |  | 4,501 | \$122.00* |
| Intel Pentium 6805 @ 1.10GHz         |  | 4,394 | \$161.00* |
| Intel Core i5-6350HQ @ 2.30GHz       |  | 4,255 | \$306.00* |
| Intel Core i3-8140U @ 2.10GHz        |  | 4,227 | NA        |
| Intel Core i3-8145UE @ 2.20GHz       |  | 4,087 | \$281.00* |
| AMD Athlon Gold 3150U                |  | 4,011 | NA        |

|                                |       |           |
|--------------------------------|-------|-----------|
| Intel Core i3-10110U @ 2.10GHz | 3,981 | \$434.17* |
| AMD Rvzen 3 3250U              | 3,968 | NA        |

[Home](#) **CPU Benchmarks** ▼

|                                      |       |           |
|--------------------------------------|-------|-----------|
| Intel Core i5-L16G7 @ 1.40GHz        | 3,421 | \$281.00* |
| Intel Pentium Silver N5020 @ 1.10GHz | 3,404 | NA        |
| Intel Celeron N5100 @ 1.10GHz        | 3,287 | NA        |
| Intel Core i3-10110Y @ 1.00GHz       | 3,278 | \$287.00* |
| AMD Ryzen Embedded R1305G            | 3,209 | NA        |
| AMD Athlon Silver 3050U              | 3,046 | NA        |
| AMD Athlon Silver 3050e              | 2,955 | NA        |
| AMD Ryzen 3 3250C                    | 2,917 | NA        |
| AMD 3015e                            | 2,720 | NA        |
| AMD A6-9400                          | 2,717 | NA        |
| Intel Pentium Silver N5030 @ 1.10GHz | 2,709 | NA        |
| Intel Celeron 7305                   | 2,665 | \$107.00* |
| Intel Celeron N4120 @ 1.10GHz        | 2,522 | NA        |
| AMD 3020e                            | 2,474 | NA        |
| Intel Pentium 6405U @ 2.40GHz        | 2,370 | \$161.00* |
| Intel Core i3-6102E @ 1.90GHz        | 2,349 | \$225.00* |
| AMD Athlon Gold 3150C                | 2,310 | NA        |
| Intel Celeron 6305 @ 1.80GHz         | 2,157 | NA        |
| Intel Celeron 4305UE @ 2.00GHz       | 1,876 | NA        |
| Intel Pentium 4425Y @ 1.70GHz        | 1,717 | \$161.00* |
| Intel Celeron N4000C @ 1.10GHz       | 1,611 | NA        |
| Intel Celeron N4020 @ 1.10GHz        | 1,570 | NA        |
| Intel Celeron N4020C @ 1.10GHz       | 1,508 | NA        |
| Intel Celeron 5205U @ 1.90GHz        | 1,414 | \$107.00* |
| Intel Celeron 1020M @ 2.10GHz        | 1,275 | NA        |
| Intel Pentium A1020 @ 2.41GHz        | 1,265 | NA        |
| AMD R-272F APU                       | 1,215 | NA        |
| AMD PRO A4-4350B                     | 1,169 | NA        |
| AMD A4-9120C                         | 869   | NA        |

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|  |   |   |  |  |   |
|--|---|---|--|--|---|
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