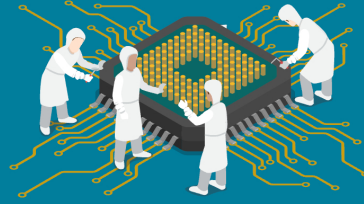


CPU Benchmarks

Over 1,000,000 CPUs Benchmarked



CPU Mega List

Below is a list of all single socket CPU types that appear in the charts. By clicking the column headings you can sort the CPUs, you can also filter your search by selecting one of the drop down categories or by using the range sliders. Clicking on a specific processor name will take you to the chart it appears in and will highlight it for you.

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Intel Core i3-10100E @ 3.20GHz	8,229
Intel Xeon E5-2470 @ 2.30GHz	8,240
Intel Core i7-3930K @ 3.20GHz	8,248
Intel Core i5-1035G4 @ 1.10GHz	8,250
Intel Core i5-9500T @ 2.20GHz	8,256
Intel Core i5-9400H @ 2.50GHz	8,258
Intel Xeon E3-1240 v5 @ 3.50GHz	8,260
AMD Ryzen 5 PRO 3400GE	8,269
AMD Ryzen 7 3750H	8,279
Intel Core i5-8600T @ 2.30GHz	8,279
Intel Xeon E3-1270 v5 @ 3.60GHz	8,317
AMD Opteron 6386 SE	8,320
Intel Xeon E3-1280 v5 @ 3.70GHz	8,320
Intel Core i7-10810U @ 1.10GHz	8,353
Intel Core i7-3970X @ 3.50GHz	8,373
AMD Ryzen 5 PRO 2400G	8,378
Intel Core i5-1035G7 @ 1.20GHz	8,388
Intel Core i7-8706G @ 3.10GHz	8,388
Intel Core i5-9600T @ 2.30GHz	8,393
Intel Xeon E3-1230 v6 @ 3.50GHz	8,408
Intel Xeon E3-1585 v5 @ 3.50GHz	8,408
Intel Xeon E5-2665 @ 2.40GHz	8,411
Intel Xeon E5-1660 @ 3.30GHz	8,417
Intel Core i5-10200H @ 2.40GHz	8,420
Intel Xeon E3-1275 v5 @ 3.60GHz	8,421
Intel Xeon E-2314 @ 2.80GHz	8,422
Intel Xeon E5-2690 @ 2.50GHz	8,422

Intel Xeon E5-2628 v3 @ 2.50GHz	8,447
Intel Xeon E5-4650L @ 2.60GHz	8,472
Intel Xeon W-2123 @ 3.60GHz	8,486
AMD Ryzen Embedded V1807B	8,488
Intel Core i7-8569U @ 2.80GHz	8,523
Apple A14 Bionic	8,541
Intel Core i7-3960X @ 3.30GHz	8,596
Intel Xeon E5-2648L v2 @ 1.90GHz	8,611
Intel Xeon E5-4650 @ 2.70GHz	8,630
Intel Core i7-7700 @ 3.60GHz	8,639
Intel Core i7-1065G7 @ 1.30GHz	8,652
Intel Xeon E3-1245 v6 @ 3.70GHz	8,659
Intel Core i5-10300H @ 2.50GHz	8,678
ARM X-Gene 32 Core 3300 MHz	8,684
Intel Xeon W-2223 @ 3.60GHz	8,684
AMD Ryzen 5 2400G	8,727
Intel Xeon E-2134 @ 3.50GHz	8,741
Intel Core i7-8559U @ 2.70GHz	8,743
Intel Core i7-8809G @ 3.10GHz	8,759
Intel Xeon Gold 5122 @ 3.60GHz	8,771
Intel Core i3-10100 @ 3.60GHz	8,802
Intel Xeon E3-1240 v6 @ 3.70GHz	8,853
Intel Core i3-10100F @ 3.60GHz	8,858
Intel Xeon E3-1270 v6 @ 3.80GHz	8,862
Intel Core i5-3170K @ 3.20GHz	8,882
Intel Core i5-10400H @ 2.60GHz	8,895
Intel Xeon E5-2670 @ 2.60GHz	8,907
Intel Core i3-10105 @ 3.70GHz	8,916
Intel Core i7-6700K @ 4.00GHz	8,973
Intel Xeon E5-2630L v3 @ 1.80GHz	8,978
AMD Ryzen 5 3400GE	8,985
ARM Neoverse-N1 12 Core 0 MHz	9,031
Intel Xeon E5-4648 v3 @ 1.70GHz	9,061
AMD Ryzen 5 3350G	9,067
Intel Xeon D-1548 @ 2.00GHz	9,075
AMD Ryzen 5 1500X	9,080
Intel Xeon E5-2643 v2 @ 3.50GHz	9,083
Intel Xeon D-1715TER @ 2.40GHz	9,104
Intel Core i7-9850HL @ 1.90GHz	9,112
Intel Core i3-10105F @ 3.70GHz	9,138
Intel Xeon E5-2629 v3 @ 2.40GHz	9,139
Intel Core i7-1185GRE @ 2.80GHz	9,142
Intel Xeon E5-2620 v4 @ 2.10GHz	9,152
Intel Xeon E3-1280 v6 @ 3.90GHz	9,166
Intel Core i5-9500TE @ 2.20GHz	9,212
Intel Xeon E5-2651 v2 @ 1.80GHz	9,216
Intel Xeon E3-1275 v6 @ 3.80GHz	9,220
Intel Core i5-8400 @ 2.80GHz	9,223
Intel Xeon D-1587 @ 1.70GHz	9,223
Intel Xeon D-1567 @ 2.10GHz	9,236
Intel Xeon Silver 4108 @ 1.80GHz	9,262
Intel Xeon E3-1285 v6 @ 4.10GHz	9,276
Intel Core i3-10300 @ 3.70GHz	9,284
AMD Ryzen 5 PRO 3400G	9,307
Intel Xeon E5-4627 v2 @ 3.30GHz	9,320
Intel Xeon E-2144G @ 3.60GHz	9,322
AMD Ryzen 5 3400G	9,331
Intel Xeon E5-1650 v2 @ 3.50GHz	9,331
Intel Core i7-4930K @ 3.40GHz	9,355
Intel Xeon E5-2680 @ 2.70GHz	9,366
Intel Xeon E5-4655 v3 @ 2.90GHz	9,377
AMD Ryzen 5 2500X	9,384
AMD Ryzen 5 PRO 1500	9,402
Intel Core i5-8500B @ 3.00GHz	9,406
Intel Xeon Gold 5222 @ 3.80GHz	9,428
Intel Core i5-9400 @ 2.90GHz	9,478
AMD Ryzen 5 PRO 3350G	9,498
Intel Core i5-9400F @ 2.90GHz	9,540

Intel Core i5-8500 @ 3.00GHz	9,574
Intel Xeon E-2174G @ 3.80GHz	9,596
Intel Core i5-1038NG7 @ 2.00GHz	9,628
AMD Ryzen 3 5425U	9,641
AMD Ryzen 5 PRO 3350GE	9,643
Intel Core i7-7700K @ 4.20GHz	9,659
Intel Xeon E-2274G @ 4.00GHz	9,660
AMD Ryzen 5 3350GE	9,684
Intel Core i3-10305 @ 3.80GHz	9,689
Intel Core i5-9500 @ 3.00GHz	9,706
Intel Core i5-1130G7 @ 1.10GHz	9,756
Intel Xeon E5-2689 @ 2.60GHz	9,769
Intel Xeon E5-2687W @ 3.10GHz	9,790
Intel Core i7-5820K @ 3.30GHz	9,818
Intel Xeon E-2244G @ 3.80GHz	9,826
Intel Xeon E5-2690 @ 2.90GHz	9,843
Intel Xeon E5-2648L v3 @ 1.80GHz	9,847
Intel Core i5-8600 @ 3.10GHz	9,849
Intel Core i7-7740X @ 4.30GHz	9,864
Intel Xeon E-2234 @ 3.60GHz	9,903
Intel Core i7-4960X @ 3.60GHz	9,906
Intel Core i3-1125G4 @ 2.00GHz	9,926
Intel Xeon E5-2628L v3 @ 2.00GHz	9,949
Intel Core i5-10500TE @ 2.30GHz	9,960
Intel Xeon E5-2650 v2 @ 2.60GHz	9,998
Intel Xeon D-1540 @ 2.00GHz	10,028
Intel Xeon W-2125 @ 4.00GHz	10,039
AMD Ryzen 3 5300U	10,051
Intel Core i5-10400T @ 2.00GHz	10,052
Intel Core i7-8750H @ 2.20GHz	10,079
Intel Core i7-10710U @ 1.10GHz	10,090
Intel Core i7-1068NG7 @ 2.30GHz	10,093
Intel Core i5-1135G7 @ 2.40GHz	10,099
Intel Core i3-10320 @ 3.80GHz	10,115
AMD Ryzen 3 PRO 4450U	10,129
Intel Xeon D-1541 @ 2.10GHz	10,170
Intel Core i5-8600K @ 3.60GHz	10,195
Intel Xeon E5-1660 v2 @ 3.70GHz	10,227
Intel Xeon Silver 4110 @ 2.10GHz	10,246
AMD EPYC 3201	10,258
Intel Xeon E5-2658 v2 @ 2.40GHz	10,274
Intel Core i5-1140G7 @ 1.10GHz	10,279
Intel Core i7-5930K @ 3.50GHz	10,304
Intel Core i3-10325 @ 3.90GHz	10,308
Intel Core i7-1160G7 @ 1.20GHz	10,316
Intel Core i7-8850H @ 2.60GHz	10,322
Intel Core i5-9500F @ 3.00GHz	10,330
Intel Xeon Silver 4109T @ 2.00GHz	10,348
Intel Xeon E5-2630 v3 @ 2.40GHz	10,364
Intel Core i5-10500T @ 2.30GHz	10,367
Intel Core i5-9600 @ 3.10GHz	10,369
Intel Xeon E5-4640 v3 @ 1.90GHz	10,372
Intel Xeon E5-1650 v3 @ 3.50GHz	10,375
Intel Xeon E5-2660 v2 @ 2.20GHz	10,382
Intel Xeon E5-2643 v3 @ 3.40GHz	10,391
AMD Ryzen 5 PRO 1600	10,401
Intel Core i5-1145G7 @ 2.60GHz	10,414
Intel Core i7-8700T @ 2.40GHz	10,448
Intel Core i5-1145G7E @ 2.60GHz	10,454
Intel Xeon E5-2618L v3 @ 2.30GHz	10,464
Intel Xeon D-1581 @ 1.80GHz	10,476
Intel Xeon E5-4620 v3 @ 2.00GHz	10,525
Intel Core i7-1165G7 @ 2.80GHz	10,556
Intel Core i5-1155G7 @ 2.50GHz	10,564
Intel Core i5-11320H @ 3.20GHz	10,588
Intel Core i7-6800K @ 3.40GHz	10,660
Intel Core i7-9700T @ 2.00GHz	10,736
Intel Xeon E-2126G @ 3.30GHz	10,747

AMD Ryzen 3 4300G	10,792
Intel Core i5-9600K @ 3.70GHz	10,792
Intel Core i9-8950HK @ 2.90GHz	10,807
Intel Core i7-9700TE @ 1.80GHz	10,826
Intel Core i5-9600KF @ 3.70GHz	10,827
AMD Ryzen 3 PRO 4350G	10,833
Intel Xeon E5-4650 v3 @ 2.10GHz	10,838
Intel Xeon W-2225 @ 4.10GHz	10,844
Intel Xeon E5-2630L v4 @ 1.80GHz	10,864
Apple A12X Bionic	10,877
Intel Xeon E5-2470 v2 @ 2.40GHz	10,902
Intel Xeon E-2176M @ 2.70GHz	10,904
Intel Xeon E-2186M @ 2.90GHz	10,904
Intel Core i7-1185G7 @ 3.00GHz	10,908
Intel Core i7-11390H @ 3.40GHz	10,915
Intel Core i7-1195G7 @ 2.90GHz	10,925
AMD Ryzen 3 PRO 4200GE	10,930
Intel Core i5-11300H @ 3.10GHz	11,029
Intel Xeon E5-2628L v4 @ 1.90GHz	11,079
AMD Ryzen 5 4500U	11,100
Intel Core i7-1185G7E @ 2.80GHz	11,114
Intel Xeon E-2226G @ 3.40GHz	11,119
Intel Xeon Silver 4208 @ 2.10GHz	11,137
Intel Xeon E5-2643 v4 @ 3.40GHz	11,152
Intel Core i7-9750H @ 2.60GHz	11,204
Intel Xeon E5-2640 v3 @ 2.60GHz	11,205
AMD Ryzen 3 PRO 4350GE	11,270
ARM Neoverse-N1 16 Core 0 MHz	11,281
Intel Core i7-6850K @ 3.60GHz	11,293
AMD Ryzen 3 PRO 4200G	11,315
AMD Ryzen 3 4300GE	11,316
Intel Xeon E5-4627 v3 @ 2.60GHz	11,344
Intel Core i3-11100B @ 3.60GHz	11,357
Intel Xeon E5-2630 v4 @ 2.20GHz	11,373
Intel Core i5-10600T @ 2.40GHz	11,376
Intel Core i7-9750HF @ 2.60GHz	11,391
Intel Xeon E5-2650L v4 @ 1.70GHz	11,436
AMD Ryzen 3 PRO 5450U	11,453
Intel Core i7-9850H @ 2.60GHz	11,492
Intel Xeon E5-4669 v4 @ 2.20GHz	11,523
Intel Xeon E5-1650 v4 @ 3.60GHz	11,528
Intel Xeon E5-2648L v4 @ 1.80GHz	11,547
Intel Core i5-10500H @ 2.50GHz	11,585
Intel Xeon D-1577 @ 1.30GHz	11,645
AMD Ryzen 3 3100	11,656
AMD Ryzen 3 4100	11,676
Intel Xeon E5-2670 v2 @ 2.50GHz	11,718
Intel Xeon D-2146NT @ 2.30GHz	11,736
Intel Xeon E5-2663 v3 @ 2.80GHz	11,777
Intel Xeon E5-2650L v3 @ 1.80GHz	11,815
Intel Xeon E-2276M @ 2.80GHz	11,818
AMD Ryzen 3 5400U	11,839
Intel Core i5-1245U	11,882
Intel Xeon E5-2673 v2 @ 3.30GHz	11,919
Intel Xeon E5-2650 v3 @ 2.30GHz	11,931
Intel Xeon E5-2640 v4 @ 2.40GHz	11,950
Intel Xeon E5-2675 v3 @ 1.80GHz	11,960
Intel Xeon E-2278GEL @ 2.00GHz	12,024
AMD Ryzen 5 PRO 4500U	12,049
Intel Core i7-11370H @ 3.30GHz	12,076
Intel Xeon E5-2687W v2 @ 3.40GHz	12,083
Intel Xeon E5-2692 v2 @ 2.20GHz	12,119
Intel Core i7-10850H @ 2.70GHz	12,127
Intel Xeon D-21411 @ 2.20GHz	12,177
Intel Xeon E5-2667 v2 @ 3.30GHz	12,183
Intel Core i5-10505 @ 3.20GHz	12,225
Intel Core i7-11375H @ 3.30GHz	12,238

Intel Core i7-8700B @ 3.20GHz	12,247
AMD Ryzen 3 PRO 5475U	12,266
AMD Ryzen 5 1600	12,312
Intel Core i5-10400 @ 2.90GHz	12,321
Intel Core i7-1265U	12,334
Intel Core i7-10750H @ 2.60GHz	12,346
Intel Xeon E5-2667 v3 @ 3.20GHz	12,354
Intel Xeon E5-1660 v3 @ 3.00GHz	12,360
Intel Core i7-9700E @ 2.60GHz	12,364
Intel Xeon E5-2649 v3 @ 2.30GHz	12,399
Intel Core i5-10400F @ 2.90GHz	12,437
Intel Xeon W-2133 @ 3.60GHz	12,438
Intel Xeon E5-4657L v2 @ 2.40GHz	12,495
Intel Xeon E5-1680 v2 @ 3.00GHz	12,502
Intel Xeon E5-2680 v2 @ 2.80GHz	12,532
Intel Core i7-5960X @ 3.00GHz	12,692
AMD Ryzen 3 3300X	12,746
Intel Core i3-12100T	12,767
Intel Xeon E5-2618L v4 @ 2.20GHz	12,816
AMD Ryzen 5 3500	12,836
Intel Core i7-7800X @ 3.50GHz	12,870
AMD Ryzen 5 PRO 4650U	12,880
Intel Core i3-1215U	12,927
Intel Xeon E5-2685 v3 @ 2.60GHz	12,944
AMD Ryzen 5 1600X	12,945
Intel Xeon W-10855M @ 2.80GHz	12,955
Intel Xeon E5-4627 v4 @ 2.60GHz	12,969
Intel Core i5-10500 @ 3.10GHz	13,046
Intel Core i7-8700 @ 3.20GHz	13,047
Intel Core i7-10700T @ 2.00GHz	13,061
Intel Core i5-11400T @ 1.30GHz	13,078
Intel Xeon D-2143IT @ 2.20GHz	13,107
Intel Xeon Silver 4114 @ 2.20GHz	13,125
Intel Xeon E5-2660 v3 @ 2.60GHz	13,133
AMD Ryzen 3 5300G	13,139
Intel Xeon E-2334 @ 3.40GHz	13,189
AMD Ryzen 5 5500U	13,192
AMD Ryzen 5 2600	13,197
Intel Xeon E5-1680 v3 @ 3.20GHz	13,214
AMD Ryzen 5 PRO 2600	13,250
AMD Ryzen 5 3500X	13,320
Intel Xeon E5-1660 v4 @ 3.20GHz	13,340
Intel Xeon E-2146G @ 3.50GHz	13,351
Intel Xeon E-2136 @ 3.30GHz	13,356
Intel Xeon E-2276G @ 3.80GHz	13,371
Intel Core i7-9700 @ 3.00GHz	13,386
AMD Ryzen 5 4600U	13,438
Intel Core i7-9700F @ 3.00GHz	13,466
Intel Xeon E5-2690 v2 @ 3.00GHz	13,481
Intel Xeon E5-2658 v3 @ 2.20GHz	13,487
Intel Xeon E5-2695 v2 @ 2.40GHz	13,521
Intel Xeon W-1270TE @ 2.00GHz	13,563
Intel Xeon E5-2650 v4 @ 2.20GHz	13,592
Intel Xeon E-2176G @ 3.70GHz	13,643
AMD Ryzen 7 4700U	13,644
Intel Core i5-11500T @ 1.50GHz	13,700
AMD Ryzen 3 PRO 5350GE	13,707
Intel Xeon W-1250 @ 3.30GHz	13,763
AMD Ryzen 3 5300GE	13,843
Intel Xeon E5-2667 v4 @ 3.20GHz	13,846
Intel Core i7-8700K @ 3.70GHz	13,848
Intel Xeon E-2186G @ 3.80GHz	13,909
Intel Core i5-10600 @ 3.30GHz	13,911
Intel Xeon E5-2670 v3 @ 2.30GHz	13,917
Intel Core i9-9900T @ 2.10GHz	13,947
AMD EPYC 3251	13,965
Intel Core i9-9880H @ 2.30GHz	13,972
AMD Ryzen 3 PRO 5350G	13,976

Intel Core i5-1235U	14,037
Intel Xeon E-2246G @ 3.60GHz	14,050
AMD Ryzen 5 2600X	14,051
Intel Xeon E-2374G @ 3.70GHz	14,086
Intel Xeon W-2135 @ 3.70GHz	14,109
Intel Xeon E5-2673 v3 @ 2.40GHz	14,112
Intel Xeon E5-1680 v4 @ 3.40GHz	14,120
Intel Xeon E5-2696 v2 @ 2.50GHz	14,206
Intel Xeon E5-2697 v2 @ 2.70GHz	14,208
AMD Ryzen 5 PRO 5675U	14,253
Intel Xeon E5-4660 v3 @ 2.10GHz	14,256
Intel Core i7-6900K @ 3.20GHz	14,257
Intel Xeon Gold 6128 @ 3.40GHz	14,273
Intel Xeon Silver 4210 @ 2.20GHz	14,285
Intel Xeon E-2236 @ 3.40GHz	14,311
Intel Xeon W-2235 @ 3.80GHz	14,332
Intel Xeon E-2286G @ 4.00GHz	14,384
Intel Xeon Silver 4123 @ 3.00GHz	14,405
Intel Xeon E5-2658 v4 @ 2.30GHz	14,434
Intel Xeon Silver 4215 @ 2.50GHz	14,439
Intel Core i3-12100F	14,485
Intel Core i7-9700KF @ 3.60GHz	14,504
Intel Core i3-12100	14,506
Intel Core i5-10600K @ 4.10GHz	14,534
Intel Xeon E5-2676 v3 @ 2.40GHz	14,537
Intel Core i7-8086K @ 4.00GHz	14,550
Intel Core i7-9700K @ 3.60GHz	14,550
Intel Core i5-10600KF @ 4.10GHz	14,577
AMD Ryzen 7 PRO 1700	14,590
AMD Ryzen 7 1700	14,623
AMD Ryzen 7 2700E	14,657
Intel Xeon E5-2678 v3 @ 2.50GHz	14,679
Apple M1 8 Core 3200 MHz	14,686
Intel Core i9-9980HK @ 2.40GHz	14,719
AMD Ryzen 5 4600H	14,728
AMD Ryzen 5 4600HS	14,735
Intel Core i9-10880H @ 2.30GHz	14,735
AMD Ryzen 5 PRO 4400GE	14,795
Intel Xeon E5-2687W v3 @ 3.10GHz	14,812
Intel Xeon E5-1681 v3 @ 2.90GHz	14,820
Intel Xeon E5-2683 v3 @ 2.00GHz	14,829
Intel Xeon D-1733NT @ 2.00GHz	14,849
Intel Xeon E5-2658A v3 @ 2.20GHz	14,879
Intel Xeon E5-2699A v4 @ 2.40GHz	14,917
Intel Xeon W-1250P @ 4.10GHz	14,924
Intel Xeon Silver 4116 @ 2.10GHz	14,931
AMD EPYC 7251	14,935
Intel Core i3-12300	14,955
Intel Xeon Silver 4210R @ 2.40GHz	14,987
AMD EPYC 7301	14,991
AMD Ryzen 5 5625U	15,014
Intel Core i5-11260H @ 2.60GHz	15,017
Intel Core i7-10870H @ 2.20GHz	15,027
AMD Ryzen 7 PRO 2700	15,059
Intel Xeon D-2166NT @ 2.00GHz	15,105
Intel Core i9-10900T @ 1.90GHz	15,134
Intel Xeon Silver 4215R @ 3.20GHz	15,147
Intel Xeon Silver 4116T @ 2.10GHz	15,187
Intel Xeon E5-2660 v4 @ 2.00GHz	15,195
Intel Xeon Silver 4214Y @ 2.20GHz	15,248
Intel Xeon E-2286M @ 2.40GHz	15,249
Intel Xeon E-2278GE @ 3.30GHz	15,252
Intel Core i5-11600T @ 1.70GHz	15,254
Intel Core i7-11700T @ 1.40GHz	15,271
AMD Ryzen 5 5600U	15,276
AMD Ryzen 5 PRO 5650U	15,283
Intel Xeon E5-4667 v3 @ 2.00GHz	15,397
Intel Core i7-10875U @ 2.20GHz	15,446

Intel Core i7-10675H @ 2.50GHz	15,410
Intel Xeon Gold 5215 @ 2.50GHz	15,420
Intel Xeon Gold 5217 @ 3.00GHz	15,429
AMD Ryzen 7 1700X	15,494
AMD Ryzen 7 PRO 4750U	15,516
Intel Xeon E5-2680 v3 @ 2.50GHz	15,522
AMD Ryzen 7 PRO 1700X	15,530
AMD Ryzen 5 4600G	15,578
AMD Ryzen 7 2700	15,653
AMD Ryzen 5 4600GE	15,656
Intel Core i9-10885H @ 2.40GHz	15,669
AMD Ryzen 5 PRO 4650GE	15,712
Intel Xeon Silver 4214 @ 2.20GHz	15,772
Intel Xeon Gold 5117 @ 2.00GHz	15,816
Intel Xeon E-2336 @ 2.90GHz	15,900
AMD Ryzen 7 4850U Mobile	15,920
Intel Xeon W-10885M @ 2.40GHz	16,013
Intel Core i5-11400H @ 2.70GHz	16,078
Intel Xeon E5-2669 v3 @ 2.30GHz	16,107
AMD Ryzen 7 5700U	16,109
Intel Xeon E5-2695 v3 @ 2.30GHz	16,113
AMD Ryzen Embedded V2748	16,186
Intel Core i9-10980HK @ 2.40GHz	16,260
Intel Xeon Gold 5118 @ 2.30GHz	16,287
Intel Core i5-11500H @ 2.90GHz	16,288
AMD Ryzen 7 1800X	16,299
Intel Core i7-1260P	16,302
Intel Core i7-10700TE @ 2.00GHz	16,332
Intel Core i7-11600H @ 2.90GHz	16,403
AMD Ryzen 5 PRO 4650G	16,424
Intel Xeon E5-2690 v3 @ 2.60GHz	16,444
AMD Ryzen 5 PRO 4400G	16,456
Intel Xeon Gold 6134 @ 3.20GHz	16,518
AMD Ryzen 5 4500	16,680
Intel Xeon E5-2686 v4 @ 2.30GHz	16,745
Intel Core i9-9900 @ 3.10GHz	16,884
Intel Core i7-10700 @ 2.90GHz	16,921
Intel Xeon E5-2689 v4 @ 3.10GHz	16,936
AMD Ryzen Threadripper 1900X	16,955
Intel Core i7-10700F @ 2.90GHz	16,982
AMD EPYC 7232P	17,017
Intel Core i7-10700E @ 2.90GHz	17,020
AMD Ryzen 7 4800U	17,077
Intel Core i5-11400 @ 2.60GHz	17,118
Intel Core i7-6950X @ 3.00GHz	17,139
AMD Ryzen 5 5600H	17,202
Intel Core i5-11400F @ 2.60GHz	17,211
AMD Ryzen 7 PRO 2700X	17,221
Intel Core i7-7820X @ 3.60GHz	17,285
Intel Xeon E-2288G @ 3.70GHz	17,313
Intel Xeon E5-2683 v4 @ 2.10GHz	17,388
Intel Xeon E5-4669 v3 @ 2.10GHz	17,430
Intel Xeon W-3223 @ 3.50GHz	17,456
Apple M1 Pro 8 Core 3200 MHz	17,470
Intel Xeon E5-2673 v4 @ 2.30GHz	17,533
AMD Ryzen 7 PRO 5850U	17,536
Intel Xeon Gold 5120T @ 2.20GHz	17,540
Intel Xeon W-2140B @ 3.20GHz	17,576
AMD Ryzen 7 2700X	17,578
Intel Core i5-11500 @ 2.70GHz	17,626
Intel Xeon E5-2680 v4 @ 2.40GHz	17,664
Intel Xeon Gold 5120 @ 2.20GHz	17,686
Intel Xeon E-2278G @ 3.40GHz	17,706
Intel Core i5-11500B @ 3.30GHz	17,721
Intel Core i5-12500T	17,728
Intel Xeon E5-2687W v4 @ 3.00GHz	17,757
Intel Xeon E5-2680R v4 @ 2.40GHz	17,795
AMD Ryzen 5 3600	17,821

Intel Core i9-10900TE @ 1.80GHz	17,888
AMD Ryzen 5 PRO 3600	17,900
AMD Ryzen Embedded V2718	17,972
Intel Xeon D-2187NT @ 2.00GHz	18,070
Intel Xeon W-1270 @ 3.40GHz	18,093
Intel Xeon E5-2686 v3 @ 2.00GHz	18,148
AMD Ryzen 7 5825U	18,191
Intel Core i5-12600T	18,202
AMD Ryzen 7 Extreme Edition	18,209
Intel Core i7-9800X @ 3.80GHz	18,212
Intel Xeon W-2145 @ 3.70GHz	18,220
AMD 4700S	18,224
Intel Xeon E7-8880 v3 @ 2.30GHz	18,244
Intel Xeon E-2378 @ 2.60GHz	18,248
AMD Ryzen 5 3600X	18,285
Intel Core i5-11600 @ 2.80GHz	18,328
Intel Core i3-1220P	18,329
Intel Core i9-9820X @ 3.30GHz	18,375
Intel Xeon D-2183IT @ 2.20GHz	18,385
Intel Xeon W-1290T @ 1.90GHz	18,409
Intel Xeon Platinum P-8124 @ 3.00GHz	18,416
AMD Ryzen 7 PRO 4750GE	18,571
Intel Xeon W-1270E @ 3.40GHz	18,635
AMD Ryzen 5 PRO 6650U	18,649
Intel Xeon Gold 6144 @ 3.50GHz	18,656
AMD Ryzen 5 PRO 5650GE	18,659
Intel Core i9-9900KF @ 3.60GHz	18,693
Intel Core i9-9900K @ 3.60GHz	18,709
Intel Xeon E-2356G @ 3.20GHz	18,757
AMD Ryzen 5 3600XT	18,778
ARM Neoverse-N1 80 Core 2600 MHz	18,823
Hygon C86 7255 16-core	18,831
Intel Core i5-1240P	18,831
Intel Xeon Silver 4214R @ 2.40GHz	18,846
Intel Xeon W-11855M @ 3.20GHz	18,857
AMD Ryzen 7 4800HS	18,861
AMD Ryzen 5 5600GE	18,879
AMD Ryzen 7 5800U	18,885
Intel Xeon W-1350 @ 3.30GHz	18,940
Intel Xeon E5-2676 v4 @ 2.40GHz	18,978
Intel Xeon Silver 4309Y @ 2.80GHz	19,010
AMD Ryzen 7 4800H	19,050
Intel Core i7-12800H	19,052
Intel Core i7-10700KF @ 3.80GHz	19,136
Intel Xeon E5-2697 v3 @ 2.60GHz	19,177
Intel Xeon Gold 6126 @ 2.60GHz	19,223
Intel Xeon W-1270P @ 3.80GHz	19,245
Intel Core i7-10700K @ 3.80GHz	19,268
AMD Ryzen 9 4900H	19,350
Intel Core i7-7900X @ 3.30GHz	19,358
Intel Xeon Gold 6137 @ 3.90GHz	19,365
AMD Ryzen 9 4900HS	19,415
Intel Xeon W-2245 @ 3.90GHz	19,446
Intel Xeon Silver 4216 @ 2.10GHz	19,451
Intel Core i9-9900KS @ 4.00GHz	19,524
Intel Core i5-12400	19,540
AMD EPYC 7252	19,550
Intel Xeon E5-2682 v4 @ 2.50GHz	19,551
Intel Core i5-12400F	19,674
Intel Core i5-11600KF @ 3.90GHz	19,751
Intel Core i5-11600K @ 3.90GHz	19,777
Intel Xeon E5-2698 v3 @ 2.30GHz	19,794
Intel Xeon Gold 6226 @ 2.70GHz	19,810
Intel Core i5-12450H	19,820
AMD Ryzen 5 5600G	19,826
AMD Ryzen 5 5500	19,857
Intel Xeon W-1350P @ 4.00GHz	19,935
Intel Xeon E5-2699C v4 @ 2.20GHz	20,079

Intel Xeon E5-2690 v4 @ 2.60GHz	20,094
AMD Ryzen 7 4700G	20,138
Intel Xeon E5-2699 v3 @ 2.30GHz	20,138
Intel Core i9-11900T @ 1.50GHz	20,225
Intel Core i5-12500	20,317
AMD Ryzen 7 PRO 5875U	20,369
Intel Xeon E5-2695 v4 @ 2.10GHz	20,373
Intel Xeon Gold 6244 @ 3.60GHz	20,402
AMD Ryzen 7 4700GE	20,416
Intel Core i9-10900 @ 2.80GHz	20,440
Intel Xeon W-2150B @ 3.00GHz	20,457
AMD EPYC 7451	20,471
Intel Xeon W-1290 @ 3.20GHz	20,533
Intel Core i7-11700 @ 2.50GHz	20,540
AMD Ryzen 7 PRO 4750G	20,573
AMD Ryzen 5 PRO 5650G	20,578
Intel Core i9-10900E @ 2.80GHz	20,658
AMD Ryzen 7 5800HS	20,684
Intel Xeon Gold 6130 @ 2.10GHz	20,721
Intel Core i7-1270P	20,735
AMD EPYC 7262	20,827
Intel Xeon E5-2697R v4 @ 2.30GHz	20,843
AMD Ryzen 7 PRO 4700G	20,848
Intel Core i9-10900F @ 2.80GHz	20,889
AMD Ryzen 7 5800HS Creator Edition	20,948
AMD Ryzen 9 5900H	20,960
Intel Xeon Silver 4310T @ 2.30GHz	20,973
Intel Xeon Gold 6132 @ 2.60GHz	21,042
Intel Core i5-12600	21,092
Intel Core i7-11850H @ 2.50GHz	21,108
Intel Xeon W-2155 @ 3.30GHz	21,198
Intel Xeon Gold 5315Y @ 3.20GHz	21,225
AMD EPYC 7281	21,230
Intel Core i9-7900X @ 3.30GHz	21,310
Intel Core i9-11900H @ 2.50GHz	21,350
Intel Core i7-11800H @ 2.30GHz	21,354
Intel Core i7-11700F @ 2.50GHz	21,419
AMD Ryzen 9 5980HS	21,437
AMD Ryzen 7 5800H	21,465
AMD Ryzen 5 5600	21,491
Intel Xeon E5-2697A v4 @ 2.60GHz	21,494
Intel Xeon E5-2697 v4 @ 2.30GHz	21,545
Intel Xeon E5-2698 v4 @ 2.20GHz	21,755
Intel Xeon Gold 6130T @ 2.10GHz	21,803
Intel Core i9-10910 @ 3.60GHz	21,826
Intel Core i9-9900X @ 3.50GHz	21,868
AMD EPYC 7551	22,005
Intel Xeon W-2255 @ 3.70GHz	22,042
AMD Ryzen Threadripper 1920	22,066
Intel Xeon W-1290E @ 3.50GHz	22,066
AMD Ryzen 5 5600X	22,082
Intel Xeon Gold 5218 @ 2.30GHz	22,117
Intel Xeon Gold 6334 @ 3.60GHz	22,160
AMD Ryzen 9 5900HS	22,205
Intel Xeon Gold 6136 @ 3.00GHz	22,266
Intel Xeon Gold 6152 @ 2.10GHz	22,291
Intel Xeon Platinum 8124M @ 3.00GHz	22,298
Apple M1 Pro 10 Core 3200 MHz	22,301
AMD Ryzen 7 PRO 5750GE	22,314
Intel Core i9-11950H @ 2.60GHz	22,508
Intel Core i7-11700B @ 3.20GHz	22,539
Apple M1 Max 10 Core 3200 MHz	22,554
AMD Ryzen 7 5700GE	22,566
Intel Core i9-10900X @ 3.70GHz	22,683
AMD Ryzen 7 3700X	22,715
Intel Xeon Gold 6140 @ 2.30GHz	22,733
Intel Core i9-11900KB @ 3.30GHz	22,741

Intel Core i7-12700T	22,774
AMD Ryzen 7 6800HS	22,787
AMD Ryzen 7 PRO 3700	22,800
AMD Ryzen Threadripper 1920X	22,831
Intel Xeon E5-2696 v4 @ 2.20GHz	22,831
Intel Xeon Gold 6138 @ 2.00GHz	22,851
Intel Xeon W-1290P @ 3.70GHz	22,997
AMD EPYC 7F32	23,026
Intel Core i9-10850K @ 3.60GHz	23,042
Intel Core i5-12500H	23,085
Intel Core i9-11900 @ 2.50GHz	23,107
Intel Core i5-1250P	23,120
AMD Ryzen 9 5900HX	23,153
Intel Xeon Platinum 8176 @ 2.10GHz	23,179
Intel Xeon W-2175 @ 2.50GHz	23,215
AMD Ryzen 7 3800X	23,273
Intel Core i9-7920X @ 2.90GHz	23,319
AMD Ryzen 9 5980HX	23,425
Intel Xeon Gold 6146 @ 3.20GHz	23,432
Intel Xeon E-2388G @ 3.20GHz	23,501
Intel Core i9-10900KF @ 3.70GHz	23,511
Intel Xeon E5-2679 v4 @ 2.50GHz	23,512
Intel Xeon W-1390 @ 2.80GHz	23,515
AMD Ryzen 7 6800H	23,524
Intel Xeon E5-2696 v3 @ 2.30GHz	23,536
AMD EPYC 7351	23,566
Intel Xeon Silver 4310 @ 2.10GHz	23,589
Intel Core i9-11980HK @ 2.60GHz	23,640
Intel Core i9-10900K @ 3.70GHz	23,745
Intel Core i9-11900F @ 2.50GHz	23,773
AMD Ryzen 7 3800XT	23,816
Intel Xeon W-11955M @ 2.60GHz	23,859
Intel Xeon W-1370 @ 2.90GHz	23,908
Intel Core i7-11700KF @ 3.60GHz	24,129
Intel Xeon Gold 6248 @ 2.50GHz	24,234
AMD Ryzen 7 PRO 6850U	24,352
AMD Ryzen 9 6900HS	24,390
Intel Xeon Gold 6246 @ 3.30GHz	24,446
Intel Xeon Gold 6150 @ 2.70GHz	24,489
AMD Ryzen 7 5700G	24,553
Intel Xeon E5-2699 v4 @ 2.20GHz	24,619
Intel Core i7-11700K @ 3.60GHz	24,730
Intel Xeon W-2170B @ 2.50GHz	24,745
Intel Xeon Gold 6143 @ 2.80GHz	24,786
Intel Xeon Gold 6138T @ 2.00GHz	24,800
AMD EPYC 7501	24,925
AMD Ryzen 7 PRO 5750G	25,000
Intel Xeon Gold 5218R @ 2.10GHz	25,191
Intel Xeon W-1370P @ 3.60GHz	25,202
AMD Ryzen Threadripper 2920X	25,218
Intel Core i9-9920X @ 3.50GHz	25,291
Intel Xeon Platinum 8167M @ 2.00GHz	25,396
Intel Core i9-11900KF @ 3.50GHz	25,435
AMD EPYC 7351P	25,484
Intel Xeon E5-2698R v4 @ 2.20GHz	25,532
Intel Core i9-11900K @ 3.50GHz	25,547
AMD Ryzen 7 5800	25,657
Intel Xeon Gold 5220 @ 2.20GHz	25,740
Intel Xeon W-3323 @ 3.50GHz	25,875
Intel Xeon W-3235 @ 3.30GHz	25,974
Intel Xeon W-2265 @ 3.50GHz	25,984
Intel Xeon W-1390P @ 3.50GHz	26,031
Intel Xeon Gold 6242 @ 2.80GHz	26,288
AMD Ryzen 7 5800X3D	26,335
Intel Xeon Gold 5318Y @ 2.10GHz	26,400
AMD EPYC 7272	26,446
AMD Ryzen Threadripper 2990X	26,469
Intel Xeon Platinum 8160 @ 2.10GHz	26,485

Intel Core i9-7940X @ 3.10GHz	26,523
Intel Xeon Gold 6230 @ 2.10GHz	26,657
Intel Xeon Platinum 8175M @ 2.50GHz	26,659
Intel Core i9-10920X @ 3.50GHz	26,683
Intel Core i9-7960X @ 2.80GHz	26,699
Intel Xeon Gold 6208U @ 2.90GHz	26,901
AMD Ryzen 7 5700X	27,062
Intel Xeon Gold 6226R @ 2.90GHz	27,211
Intel Core i5-12600KF	27,319
Intel Xeon W-2195 @ 2.30GHz	27,325
Intel Xeon Platinum 8173M @ 2.00GHz	27,377
Intel Core i5-12600K	27,443
AMD EPYC 7571	27,445
Intel Core i7-12700H	27,467
Intel Xeon Gold 6212U @ 2.40GHz	27,470
Intel Xeon Gold 6238 @ 2.10GHz	27,617
Intel Xeon W-2275 @ 3.30GHz	27,904
AMD Ryzen Threadripper 1950X	28,000
ARM Neoverse-N1 64 Core 0 MHz	28,079
AMD EPYC 7401P	28,271
AMD Ryzen 7 5800X	28,345
Intel Core i9-9940X @ 3.30GHz	28,410
Intel Xeon Gold 5317 @ 3.00GHz	28,580
Intel Core i9-10940X @ 3.30GHz	28,619
Intel Xeon W-3245 @ 3.20GHz	28,798
Intel Xeon Gold 6154 @ 3.00GHz	28,848
Intel Xeon Gold 6210U @ 2.50GHz	28,915
Intel Xeon W-2191B @ 2.30GHz	29,049
Intel Xeon Gold 6148 @ 2.40GHz	29,088
Intel Xeon Gold 6254 @ 3.10GHz	29,356
Intel Core i9-12900H	29,725
Intel Core i9-7980XE @ 2.60GHz	29,842
Intel Core i9-12900HK	29,867
AMD Ryzen Threadripper 2950X	29,981
Intel Xeon Silver 4314 @ 2.40GHz	30,043
Intel Xeon Platinum 8268 @ 2.90GHz	30,103
Intel Xeon W-3265 @ 2.70GHz	30,105
Intel Core i9-9990XE @ 4.00GHz	30,162
Intel Xeon Gold 6246R @ 3.40GHz	30,220
AMD EPYC 7551P	30,313
AMD Ryzen Threadripper 2970WX	30,433
Intel Xeon Gold 6253CL @ 3.10GHz	30,616
Intel Core i9-9960X @ 3.10GHz	30,655
AMD Ryzen 9 3900	30,661
AMD EPYC 7282	30,977
AMD EPYC 7371	31,094
AMD Ryzen 9 PRO 3900	31,372
Intel Xeon Platinum 8259CL @ 2.50GHz	31,500
Intel Xeon W-2295 @ 3.00GHz	31,680
Intel Core i7-12700	31,689
Intel Core i9-9980XE @ 3.00GHz	31,905
Intel Xeon Gold 6230R @ 2.10GHz	32,223
Intel Core i7-12700F	32,358
Intel Xeon Gold 6252 @ 2.10GHz	32,410
AMD EPYC 7302P	32,480
AMD Ryzen Threadripper 2990WX	32,514
Intel Xeon Platinum 8168 @ 2.70GHz	32,616
AMD Ryzen 9 3900X	32,751
AMD Ryzen 9 3900XT	32,864
AMD EPYC 7302	33,015
Intel Xeon Gold 5220R @ 2.20GHz	33,370
Intel Core i9-10980XE @ 3.00GHz	33,408
AMD Ryzen Threadripper PRO 3945WX	33,430
Intel Xeon D-2799 @ 2.40GHz	33,792
Intel Xeon Platinum 8260M @ 2.30GHz	33,970
Intel Core i7-12700KF	34,084
Intel Core i7-12700K	34,182
AMD Ryzen 9 5900	34,731

AMD Ryzen 9 3900	37,161
Intel Core i9-12900T	35,007
Intel Xeon Gold 6326 @ 2.90GHz	35,328
Intel Xeon Gold 6242R @ 3.10GHz	35,356
Intel Core i9-12900F	35,726
Intel Xeon W-3175X @ 3.10GHz	37,167
Intel Xeon Silver 4316 @ 2.30GHz	37,264
Intel Xeon Gold 6238R @ 2.20GHz	37,511
Intel Xeon Platinum 8280 @ 2.70GHz	37,575
Intel Xeon Gold 6346 @ 3.10GHz	37,606
ARM Neoverse-N1 80 Core 0 MHz	37,809
ARM Neoverse-N1 80 Core 3000 MHz	38,122
Intel Core i9-12900	38,272
Intel Xeon Gold 6248R @ 3.00GHz	38,604
Intel Xeon W-3335 @ 3.40GHz	38,944
AMD Ryzen 9 3950X	39,151
AMD Ryzen 9 5900X	39,447
Intel Xeon W-3265M @ 2.70GHz	39,618
AMD Ryzen Threadripper PRO 3955WX	40,212
AMD EPYC 7352	40,472
AMD EPYC 7313	40,575
Intel Xeon W-3275M @ 2.50GHz	40,767
Intel Xeon Platinum 8275CL @ 3.00GHz	40,794
AMD EPYC 7313P	40,879
AMD EPYC 7F52	40,951
Intel Core i9-12900KF	41,115
Intel Core i9-12900K	41,121
Apple M1 Ultra 20 Core	41,348
Intel Xeon Gold 6354 @ 3.00GHz	41,434
AMD Ryzen Threadripper PRO 5945WX	41,578
AMD EPYC 7402P	41,741
AMD EPYC 7452	41,871
AMD EPYC 7601	42,244
Intel Xeon Gold 6330 @ 2.00GHz	43,056
Intel Core i9-12900KS	43,699
Intel Xeon Gold 6312U @ 2.40GHz	43,745
Intel Xeon Gold 6336Y @ 2.40GHz	45,517
AMD EPYC 7713P	45,860
AMD EPYC 7343	45,882
AMD EPYC 73F3	46,085
AMD Ryzen 9 5950X	46,201
AMD EPYC 7413	46,295
Intel Xeon Gold 6342 @ 2.80GHz	48,330
AMD EPYC 7502P	48,995
AMD EPYC 7502	49,177
Intel Xeon Platinum 8347C @ 2.10GHz	49,386
AMD Ryzen Threadripper PRO 5955WX	51,227
AMD EPYC 7402	51,368
Intel Xeon Platinum 8375C @ 2.90GHz	51,836
Intel Xeon Gold 6348 @ 2.60GHz	53,112
AMD EPYC 7453	53,511
Intel Xeon Platinum 8358 @ 2.60GHz	54,416
AMD Ryzen Threadripper 3960X	54,766
AMD EPYC 7532	55,358
AMD EPYC 7543	56,562
AMD EPYC 7542	56,728
AMD EPYC 7443P	57,666
AMD EPYC 7513	59,732
AMD EPYC 74F3	60,948
AMD EPYC 7702P	61,689
Intel Xeon Platinum 8380 @ 2.30GHz	62,317
AMD Ryzen Threadripper PRO 3975WX	63,429
AMD Ryzen Threadripper 3970X	63,807
AMD EPYC 7R32	64,727
AMD EPYC 7543P	67,144
AMD EPYC 7642	67,748
AMD Ryzen Threadripper PRO 5965WX	68,405
AMD EPYC 75F3	68,505

AMD EPYC 7742	68,749
AMD EPYC 7662	71,576
AMD EPYC 7702	71,646
AMD EPYC 7643	76,455
AMD EPYC 7B13	77,460
AMD Ryzen Threadripper PRO 5975WX	80,842
AMD Ryzen Threadripper 3990X	81,568
AMD Ryzen Threadripper PRO 3995WX	83,541
AMD EPYC 7713	85,861
AMD EPYC 7J13	86,006
AMD EPYC 7763	88,338
AMD Ryzen Threadripper PRO 5995WX	108,822

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Notes:

- ¹ Price is obtained from our affiliates. ** after the price denotes the last seen price for products that are no longer available.
- ² CPU Value is calculated by taking CPU Mark / Price.
- ³ Single Thread Value is calculated by taking Single Thread CPU Mark / Price.
- ⁴ Power Performance is calculated by taking CPU Mark / TDP.
- ⁵ Test Date is the date of our first benchmark submission.

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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- > Video Card Benchmarks
- > Hard Drive Benchmarks
- > RAM Benchmarks
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