

PassMark - CPU Mark

Desktop CPU Performance

Updated 9th of September 2021

CPU	CPU Mark	Price (USD)
AMD Ryzen Threadripper PRO 3995WX	85,977	\$5,483.99
AMD Ryzen Threadripper 3990X	80,911	\$4,987.48
AMD Ryzen Threadripper 3970X	64,002	\$2,695.89
AMD Ryzen Threadripper PRO 3975WX	63,024	\$2,698.99
AMD Ryzen Threadripper 3960X	55,020	\$1,330.93
AMD Ryzen 9 5950X	46,124	\$749.00
AMD Ryzen Threadripper PRO 3955WX	40,209	\$1,135.00
AMD Ryzen 9 5900X	39,619	\$609.99
AMD Ryzen 9 3950X	39,198	\$789.75
Intel Xeon W-3175X @ 3.10GHz	36,360	\$3,110.99
AMD Ryzen 9 5900	35,598	NA
Intel Core i9-10980XE @ 3.00GHz	33,860	\$989.99
AMD Ryzen Threadripper PRO 3945WX	33,798	NA
AMD Ryzen 9 3900XT	32,919	\$692.88
AMD Ryzen 9 3900X	32,858	\$451.99
Intel Core i9-9980XE @ 3.00GHz	32,390	\$1,589.99
AMD Ryzen 9 PRO 3900	31,510	NA
Intel Core i9-9960X @ 3.10GHz	31,264	\$953.86
AMD Ryzen 9 3900	30,918	\$591.00*
Intel Core i9-9990XE @ 4.00GHz	30,162	NA
AMD Ryzen Threadripper 2970WX	29,653	\$668.00
Intel Core i9-10940X @ 3.30GHz	29,074	\$799.99
AMD Ryzen 7 5800X	28,489	\$393.99
Intel Core i9-9940X @ 3.30GHz	28,356	\$1,099.99
Intel Xeon W-2275 @ 3.30GHz	27,348	\$1,112.00*
Intel Core i9-10920X @ 3.50GHz	26,525	\$669.99
AMD Ryzen Threadripper 2990X	26,469	NA
AMD Ryzen 7 5800	26,012	NA
Intel Core i9-11900K @ 3.50GHz	25,592	\$544.89
AMD Ryzen 7 PRO 5750G	25,562	NA
AMD Ryzen Threadripper 2920X	25,540	\$679.99
Intel Core i9-11900KF @ 3.50GHz	25,428	\$579.05
Intel Core i9-9920X @ 3.50GHz	25,350	\$879.99
Intel Xeon W-1370P @ 3.60GHz	25,324	\$428.00*
Intel Core i7-11700K @ 3.60GHz	25,094	\$397.87
AMD Ryzen 7 5700G	24,621	\$359.00
Intel Core i9-11900KB @ 3.30GHz	24,523	\$539.00*
Intel Core i7-11700KF @ 3.60GHz	24,399	\$496.99

Intel Core i9-10900K @ 3.70GHz	23,933	\$499.99
AMD Ryzen 7 3800XT	23,906	\$396.00
Intel Core i9-11900F @ 2.50GHz	23,902	\$464.99
Intel Core i9-10900KF @ 3.70GHz	23,799	\$458.74
Intel Core i9-11900 @ 2.50GHz	23,574	\$469.99
Intel Core i9-10850K @ 3.60GHz	23,343	\$399.99
AMD Ryzen 7 3800X	23,316	\$344.00
Intel Core i9-10900X @ 3.70GHz	22,808	\$589.99
AMD Ryzen 7 3700X	22,781	\$297.99
Intel Xeon W-2255 @ 3.70GHz	22,732	\$778.00*
AMD Ryzen 7 PRO 3700	22,570	\$329.99*
AMD Ryzen 7 5700GE	22,566	NA
AMD Ryzen 7 PRO 5750GE	22,536	NA
AMD Ryzen 5 5600X	22,171	\$272.99
AMD Ryzen Threadripper 1920	22,066	NA
Intel Core i7-11700 @ 2.50GHz	21,739	\$339.99
Intel Core i9-9900X @ 3.50GHz	21,723	\$725.00
Intel Core i9-11900T @ 1.50GHz	21,691	\$439.00*
Intel Core i7-11700F @ 2.50GHz	21,554	\$399.99
Intel Core i9-10910 @ 3.60GHz	21,243	NA
AMD Ryzen 5 PRO 5650G	21,087	NA
Intel Core i9-10900F @ 2.80GHz	20,991	\$399.99
AMD Ryzen 7 PRO 4700G	20,848	NA
Intel Core i9-10900 @ 2.80GHz	20,831	\$379.99
AMD Ryzen 7 4700GE	20,648	NA
AMD Ryzen 7 PRO 4750G	20,607	\$399.99*
Intel Core i9-9820X @ 3.30GHz	20,524	\$679.00
AMD Ryzen 5 5600G	20,141	\$258.97
Intel Core i5-11600KF @ 3.90GHz	20,094	\$294.99
Intel Core i5-11600K @ 3.90GHz	20,022	\$269.99
AMD Ryzen 7 4700G	19,912	NA
Intel Core i9-9900KS @ 4.00GHz	19,601	\$815.87
Intel Core i7-10700K @ 3.80GHz	19,457	\$289.99
AMD Ryzen 7 PRO 4750GE	19,448	NA
AMD Ryzen 5 PRO 5650GE	19,266	NA
Intel Core i7-10700KF @ 3.80GHz	19,255	\$308.95
AMD Ryzen 5 5600GE	18,879	NA
AMD Ryzen 5 3600XT	18,823	\$289.99
Intel Core i9-9900K @ 3.60GHz	18,823	\$329.99
Intel Core i9-9900KF @ 3.60GHz	18,792	\$347.80
Intel Core i7-9800X @ 3.80GHz	18,366	\$502.12
AMD Ryzen 5 3600X	18,311	\$294.99
AMD 4700S	18,170	NA
Intel Core i5-11600 @ 2.80GHz	18,116	\$295.99

AMD Ryzen 5 PRO 3600	18,037	NA
Intel Core i5-11500 @ 2.70GHz	17,954	\$293.99
AMD Ryzen 5 3600	17,859	\$289.00
Intel Core i5-11400F @ 2.60GHz	17,802	\$285.99
Intel Core i5-11400 @ 2.60GHz	17,513	\$259.95
Intel Core i7-10700 @ 2.90GHz	17,234	\$335.00
Intel Core i9-9900 @ 3.10GHz	17,093	\$343.00
Intel Core i7-10700F @ 2.90GHz	17,023	\$290.21
AMD Ryzen 5 PRO 4650G	16,492	\$365.99
AMD Ryzen 5 PRO 4400G	16,456	NA
AMD Ryzen 5 4600GE	16,377	NA
AMD Ryzen 5 PRO 4650GE	15,860	NA
AMD Ryzen 5 4600G	15,732	NA
Intel Core i9-10900T @ 1.90GHz	15,488	\$439.00*
Apple M1 8 Core 3200 MHz	15,170	NA
AMD Ryzen 7 2700E	14,657	NA
Intel Xeon W-1250P @ 4.10GHz	14,632	\$374.40*
Intel Core i7-9700KF @ 3.60GHz	14,627	\$314.00
Intel Core i5-10600KF @ 4.10GHz	14,577	\$199.99
Intel Core i5-10600K @ 4.10GHz	14,561	\$214.90
Intel Core i7-9700K @ 3.60GHz	14,554	\$279.99
AMD Ryzen 3 PRO 5350G	14,025	NA
Intel Core i5-10600 @ 3.30GHz	13,972	\$258.24
Intel Core i9-9900T @ 2.10GHz	13,944	\$439.00*
AMD Ryzen 3 5300G	13,932	NA
AMD Ryzen 3 5300GE	13,843	NA
AMD Ryzen 3 PRO 5350GE	13,707	NA
Intel Core i7-9700F @ 3.00GHz	13,502	\$256.07
Intel Core i7-9700 @ 3.00GHz	13,471	\$289.99
Rank: 111 No. of Samples: 1212 Cores: 8 Threads: 8		
Intel Core i5-11400T @ 1.30GHz	13,367	\$182.00*
AMD Ryzen 5 3500X	13,357	\$229.98
Intel Core i7-10700T @ 2.00GHz	13,263	\$398.00
Intel Core i5-10500 @ 3.10GHz	13,230	\$256.12
AMD Ryzen 5 3500	12,908	NA
AMD Ryzen 3 3300X	12,765	\$224.99
Intel Core i5-10400F @ 2.90GHz	12,459	\$174.99
Intel Core i5-10400 @ 2.90GHz	12,383	\$210.00
Intel Core i5-10505 @ 3.20GHz	12,280	NA
Intel Core i5-10600T @ 2.40GHz	11,871	\$213.00*
Intel Core i7-9700E @ 2.60GHz	11,869	\$323.00*
AMD Ryzen 3 3100	11,703	\$250.00
AMD Ryzen 3 PRO 4350GE	11,411	NA
AMD Ryzen 3 4300GE	11,406	NA

AMD Ryzen 3 PRO 4200G	11,315	NA
AMD Ryzen 3 4300G	11,102	NA
Intel Core i5-9600KF @ 3.70GHz	10,844	\$215.86
AMD Ryzen 3 PRO 4350G	10,815	NA
Intel Core i5-9600K @ 3.70GHz	10,809	\$206.00
Intel Core i7-9700TE @ 1.80GHz	10,722	\$323.00*
Intel Core i5-10500T @ 2.30GHz	10,695	\$192.00*
Intel Core i7-9700T @ 2.00GHz	10,654	\$323.00*
Intel Core i5-9600 @ 3.10GHz	10,626	\$256.99
Intel Core i5-9500F @ 3.00GHz	10,299	\$191.03
Intel Core i3-10320 @ 3.80GHz	10,127	\$239.99
Intel Core i5-10400T @ 2.00GHz	10,111	\$182.00*
Intel Core i5-9500 @ 3.00GHz	9,727	\$242.88
Intel Core i3-10305 @ 3.80GHz	9,689	\$219.88
AMD Ryzen 5 3350GE	9,684	NA
AMD Ryzen 5 PRO 3350GE	9,643	NA
AMD Ryzen 5 PRO 3350G	9,570	NA
Intel Core i5-9400F @ 2.90GHz	9,551	\$167.87
Intel Core i5-9400 @ 2.90GHz	9,499	\$214.93
AMD Ryzen 5 2500X	9,407	NA
AMD Ryzen 5 PRO 3400G	9,406	NA
AMD Ryzen 5 3400G	9,353	\$249.88
Intel Core i3-10300 @ 3.70GHz	9,344	\$199.99
Intel Core i3-10105F @ 3.70GHz	9,142	\$95.50
Intel Core i7-9850HL @ 1.90GHz	9,112	\$395.00*
AMD Ryzen 5 3350G	9,036	NA
AMD Ryzen 5 3400GE	9,028	NA
Intel Core i3-10105 @ 3.70GHz	9,027	\$176.29
Intel Core i3-10100 @ 3.60GHz	8,829	\$167.98
Intel Core i3-10100F @ 3.60GHz	8,794	\$98.50
Intel Core i5-10300H @ 2.50GHz	8,772	\$250.00*
Intel Core i3-10300T @ 3.00GHz	8,247	\$143.00*
AMD Ryzen Embedded V1756B	8,215	NA
Intel Core i5-9500T @ 2.20GHz	8,213	\$192.00*
AMD Ryzen 5 PRO 3400GE	8,194	NA
Intel Core i3-10305T @ 3.00GHz	8,136	\$143.00*
Intel Core i5-9600T @ 2.30GHz	8,132	\$213.00*
Intel Core i3-9350K @ 4.00GHz	7,760	\$293.22*
Intel Core i5-9400T @ 1.80GHz	7,714	\$182.00*
AMD Athlon Gold PRO 3150G	7,702	NA
Intel Core i3-10105T @ 3.00GHz	7,661	\$122.00*
Intel Core i3-9350KF @ 4.00GHz	7,520	\$219.99
AMD Ryzen 3 2300X	7,498	\$178.09*
AMD Ryzen 3 3200GE	7,413	NA

Intel Core i3-9320 @ 3.70GHz	7,358	\$219.88
Intel Core i3-9300 @ 3.70GHz	7,279	\$188.95
AMD Athlon Gold PRO 3150GE	7,231	NA
AMD Ryzen 3 3200G	7,223	\$209.98
AMD Ryzen 3 PRO 3200G	7,071	NA
Intel Core i3-9100F @ 3.60GHz	6,775	\$155.49
Intel Core i3-9100 @ 3.60GHz	6,646	\$165.59
Intel Core i3-9300T @ 3.20GHz	5,927	\$143.00*
Intel Core i3-9100T @ 3.10GHz	5,660	\$122.00*
AMD Ryzen Embedded V1404I	5,491	NA
AMD Athlon 300GE	4,905	NA
Intel Core i5-4470S @ 3.00GHz	4,742	NA
AMD Athlon Silver PRO 3125GE	4,633	NA
Intel Pentium Gold G6605 @ 4.30GHz	4,567	\$162.88
AMD Athlon 240GE	4,538	\$221.00*
AMD Athlon PRO 300GE	4,528	NA
AMD Athlon 3000G	4,464	\$54.99*
Intel Pentium Gold G6600 @ 4.20GHz	4,396	\$149.99
Intel Pentium Gold G6505 @ 4.20GHz	4,378	\$75.00*
AMD Ryzen 3 PRO 2100GE	4,308	NA
Intel Pentium Gold G6405 @ 4.10GHz	4,292	\$83.99
AMD Ryzen Embedded R1606G	4,248	NA
Intel Pentium Gold G6500 @ 4.10GHz	4,191	\$109.95
AMD Athlon 200GE	4,165	\$123.89*
Intel Pentium Gold G5600F @ 3.90GHz	4,160	NA
Intel Pentium Gold G6400 @ 4.00GHz	4,155	\$99.60
Intel Pentium Gold G5620 @ 4.00GHz	4,102	\$159.99
Intel Pentium Gold G6500T @ 3.50GHz	4,005	\$75.00*
Intel Pentium Gold G6405T @ 3.50GHz	3,746	\$64.00*
Intel Pentium Gold G5420T @ 3.20GHz	3,716	\$64.00*
Intel Pentium Gold G6400T @ 3.40GHz	3,610	\$64.00*
Intel Pentium Silver J5040 @ 2.00GHz	3,599	NA
Intel Pentium Gold G5420 @ 3.80GHz	3,528	\$118.32
Intel Celeron J4125 @ 2.00GHz	3,036	NA
Intel Celeron G5925 @ 3.60GHz	2,873	\$62.24
Intel Celeron G5905 @ 3.50GHz	2,851	\$56.21
Intel Celeron G5920 @ 3.50GHz	2,807	\$70.62
Intel Celeron G5900 @ 3.40GHz	2,768	\$72.21
Intel Celeron J4115 @ 1.80GHz	2,719	NA
Intel Celeron G4950 @ 3.30GHz	2,714	\$89.99*
Intel Celeron G4930 @ 3.20GHz	2,575	\$119.00
AMD Athlon II X4 557	2,567	NA
Intel Celeron G5905T @ 3.30GHz	2,309	\$42.00*
Intel Celeron J3455E @ 1.50GHz	2,256	NA

Intel Celeron G4930T @ 3.00GHz	2,224	\$42.00*
Intel Celeron G3930TE @ 2.70GHz	2,218	\$42.00*
Intel Celeron G3930T @ 2.70GHz	2,109	\$99.88*
Intel Core2 Extreme Q9200 @ 2.40GHz	2,011	NA
AMD A6-7480	1,936	\$43.99*
AMD A6-9500E	1,841	\$58.86
AMD Athlon X4 530	1,786	NA
Intel Celeron J4025 @ 2.00GHz	1,633	NA
Intel Pentium G2120T @ 2.70GHz	1,613	NA
AMD Sempron 240	1,278	\$36.10*
AMD R-272F APU	1,215	NA
AMD E2-9030	922	NA