



Multiple CPU Systems

This chart comparing multi CPU systems is made using thousands of [PerformanceTest](#) benchmark results and is updated daily. This chart mainly compares Dual CPUs, Quad CPUs and 8-way CPUs such as the Intel Xeon and the AMD EPYC/Opteron processors which can be placed in multiple socket motherboards. These multi-CPUs are commonly used in server machines that require high performance CPUs with intensive processing capabilities such as web servers, gateway servers, VM servers and online gaming servers.

CPU Mark	Price Performance
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PassMark - CPU Mark

Multiple CPU Systems
Updated 30th of October 2024

CPU	CPU Mark	Price (USD)
[Dual CPU] AMD EPYC 9575F	192,570	\$23,582.00*
[Dual CPU] AMD EPYC 9965	189,228	\$29,626.00*
[Dual CPU] AMD EPYC 9745	177,788	\$24,282.00*
[Dual CPU] AMD EPYC 9684X	156,834	\$15,974.00*
[Dual CPU] AMD EPYC 9474F	148,891	\$7,900.00
[Dual CPU] AMD EPYC 9654	147,224	\$9,350.00
[Dual CPU] AMD EPYC 9554	146,218	\$5,688.90
[Dual CPU] AMD EPYC 9634	142,801	\$7,900.00*
[Dual CPU] Intel Xeon Platinum 8570	137,588	\$19,190.00*
[Dual CPU] AMD EPYC 9454	134,517	\$7,900.00
[Dual CPU] AMD EPYC 9374F	131,140	\$6,700.00
[Dual CPU] AMD EPYC 9734	130,034	\$13,196.00*
[Dual CPU] Intel Xeon Platinum 8488C	127,207	NA
[Dual CPU] Intel Xeon Platinum 8468	126,838	\$14,428.00*
[Dual CPU] Intel Xeon Platinum 8568Y+	125,432	\$12,994.00*
[Dual CPU] Intel Xeon Platinum 8480+	125,165	\$21,420.00*
[Dual CPU] AMD EPYC 9384X	121,633	\$11,058.00*
[Dual CPU] AMD EPYC 7J13	119,134	NA
[Dual CPU] Intel Xeon Platinum 8458P	117,136	\$13,518.00*
[Dual CPU] AMD EPYC 7763	115,703	\$2,979.90
[Dual CPU] AMD EPYC 7T83	114,770	NA
[Dual CPU] AMD EPYC 7713	114,468	\$3,151.80
[Dual CPU] Intel Xeon Platinum 8562Y+	114,143	\$11,890.00*

⌵	[Dual CPU] AMD Ryzen Threadripper PRO 3995WX		113,693	\$6,999.98	
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🏠 CPU Benchmarks ▼

⌵	[Dual CPU] Intel Xeon Platinum 8462Y+		111,282	\$11,890.00*	
⌵	[Dual CPU] AMD EPYC 9334		110,928	\$4,700.00	
⌵	[Dual CPU] Intel Xeon Platinum 8457C		109,905	NA	
⌵	[Dual CPU] Intel Xeon Platinum 8470		109,610	\$18,718.00*	
⌵	[Dual CPU] AMD EPYC 7773X		108,504	\$7,900.00	
⌵	[Dual CPU] AMD EPYC 7Y83		108,281	NA	
⌵	[Dual CPU] AMD EPYC 9754		107,485	\$13,500.00	
⌵	[Dual CPU] Intel Xeon Gold 6448Y		104,805	\$7,166.00*	
⌵	[Dual CPU] AMD EPYC 7573X		103,531	\$10,500.00	
⌵	[Dual CPU] AMD EPYC 7B12		102,240	NA	
⌵	[Dual CPU] AMD EPYC 7K83		102,053	NA	
⌵	[Dual CPU] AMD EPYC 75F3		101,429	\$8,079.50	
⌵	[Dual CPU] AMD Ryzen Threadripper PRO 3975WX		98,811	\$3,800.00	
⌵	[Dual CPU] AMD EPYC 7543		98,074	\$7,522.00*	
⌵	[Dual CPU] AMD EPYC 7H12		97,573	\$3,391.90	
⌵	[Dual CPU] AMD EPYC 7662		97,178	\$7,999.98*	
⌵	[Dual CPU] AMD EPYC 7513		96,409	\$3,139.28	
⌵	[Dual CPU] AMD EPYC 74F3		95,621	\$5,979.90*	
⌵	[Dual CPU] Intel Xeon Gold 6438Y+		94,596	\$6,282.00*	
⌵	[Dual CPU] AMD EPYC 7V73X		94,451	\$5,999.90*	
⌵	[Dual CPU] AMD EPYC 7742		94,081	\$3,357.90	
⌵	[Dual CPU] AMD EPYC 7642		94,050	\$1,900.00	
⌵	[Dual CPU] AMD EPYC 7702		93,307	\$2,750.00	
⌵	[Dual CPU] Intel Xeon Gold 6442Y		92,983	\$5,756.00*	
⌵	[Dual CPU] AMD EPYC 7R12		92,961	NA	
⌵	[Dual CPU] AMD EPYC 9224		92,518	\$3,100.00	
⌵	[Dual CPU] AMD EPYC 7K62		91,887	NA	
⌵	[Dual CPU] Intel Xeon Platinum 8380 @ 2.30GHz		91,257	\$14,602.00	
⌵	[Dual CPU] AMD EPYC 9174F		90,483	\$4,550.00	
⌵	[Dual CPU] Intel Xeon Gold 5420+		88,738	\$3,696.00*	
⌵	[Dual CPU] AMD EPYC 7643		88,348	\$8,990.00	
⌵	[Quad CPU] Intel Xeon Platinum 8176M @ 2.10GHz		88,102	NA	
⌵	[Dual CPU] Intel Xeon Platinum 8368 @ 2.40GHz		88,038	\$15,562.36*	
⌵	[Dual CPU] Intel Xeon Platinum 8369B @ 2.90GHz		87,459	NA	
⌵	[Dual CPU] Intel Xeon Platinum 8450H		87,103	\$9,416.00*	
⌵	[Dual CPU] Intel Xeon Platinum 8375C @ 2.90GHz		86,451	NA	
⌵	[Dual CPU] Intel Xeon Gold 6428N		86,030	\$6,400.00*	
⌵	[Dual CPU] Intel Xeon Gold 6530		85,966	\$4,256.00*	
⌵	[Dual CPU] Intel Xeon Gold 6454S		85,725	\$6,314.00*	
⌵	[Dual CPU] Intel Xeon Gold 6548Y+		85,587	\$7,452.00*	
⌵	[Dual CPU] Intel Xeon Gold 6418H		84,526	\$4,130.00*	
⌵	[Dual CPU] AMD EPYC 9184X		84,253	\$7,500.00	
⌵	[Quad CPU] Intel Xeon Platinum 8260 @ 2.40GHz		83,793	\$8,207.76	
⌵	[Quad CPU] Intel Xeon Gold 5320H @ 2.40GHz		83,263	\$6,220.00*	

⏪	[Dual CPU] Intel Xeon Platinum 8358 @ 2.60GHz		83,116	\$8,797.90
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🏠 CPU Benchmarks ▼

⏪	[Dual CPU] Intel Xeon Platinum 8358P @ 2.60GHz		82,052	NA
⏪	[Dual CPU] Intel Xeon Platinum 8338C @ 2.60GHz		81,817	NA
⏪	[Dual CPU] AMD EPYC 7473X		81,282	NA
⏪	[Dual CPU] Intel Xeon Gold 5418Y		81,141	\$2,966.00*
⏪	[Dual CPU] AMD EPYC 7453		80,327	\$2,922.96*
⏪	[Dual CPU] AMD EPYC 7502		80,300	\$1,799.90
⏪	[Dual CPU] Intel Xeon Gold 6544Y		79,819	\$7,244.00*
⏪	[Dual CPU] AMD EPYC 7452		77,746	\$2,858.42
⏪	[Quad CPU] Intel Xeon Gold 6256 @ 3.60GHz		76,542	\$14,521.40
⏪	[Dual CPU] Intel Xeon Gold 6348 @ 2.60GHz		75,906	\$4,292.00
⏪	[Dual CPU] AMD EPYC 7413		74,990	\$2,697.20
⏪	[Dual CPU] Intel Xeon Platinum 8336C		74,875	NA
⏪	[Dual CPU] AMD EPYC 7373X		74,709	NA
⏪	[Dual CPU] AMD EPYC 7R32		74,520	NA
⏪	[Dual CPU] AMD EPYC 7C13		74,099	NA
⏪	[Dual CPU] AMD EPYC 7343		73,934	\$2,054.42
⏪	[Dual CPU] AMD EPYC 7542		73,885	\$959.98
⏪	[Dual CPU] Intel Xeon Gold 6342 @ 2.80GHz		72,919	\$4,799.90
⏪	[Quad CPU] Intel Xeon Platinum 8160 @ 2.10GHz		72,905	\$5,980.00
⏪	[Dual CPU] AMD EPYC 73F3		72,363	\$4,406.20
⏪	[Dual CPU] AMD EPYC 7552		72,235	\$3,499.92
⏪	[Dual CPU] Intel Xeon Gold 6444Y		71,870	\$7,244.00*
⏪	[Dual CPU] Intel Xeon Gold 6526Y		71,416	\$3,034.00*
⏪	[Dual CPU] Intel Xeon Gold 6336Y @ 2.40GHz		71,408	\$5,129.34
⏪	[Dual CPU] AMD EPYC 7443		71,156	\$4,461.98*
⏪	[Quad CPU] Intel Xeon Gold 5318H @ 2.50GHz		70,723	\$5,092.00*
⏪	[Dual CPU] Intel Xeon Gold 6426Y		68,988	\$3,034.00*
⏪	[Dual CPU] Intel Xeon Platinum 8352Y @ 2.20GHz		68,643	\$3,094.00
⏪	[Dual CPU] Intel Xeon Gold 6338 @ 2.00GHz		68,563	\$3,200.00
⏪	[Quad CPU] Intel Xeon E7-8890 v4 @ 2.20GHz		67,895	\$28,696.00*
⏪	[Quad CPU] Intel Xeon Gold 6138 @ 2.00GHz		67,444	\$876.00
⏪	[Dual CPU] AMD EPYC 7313		67,180	\$1,813.16
⏪	[Dual CPU] Intel Xeon Platinum 8275CL @ 3.00GHz		66,812	NA
⏪	[Dual CPU] Montage Jintide C6348		66,555	NA
⏪	[Dual CPU] AMD EPYC 7352		65,921	\$997.90
⏪	[Dual CPU] Intel Xeon Gold 6338N @ 2.20GHz		65,860	\$9,343.38*
⏪	[Dual CPU] Intel Xeon Silver 4416+		64,992	\$2,352.00*
⏪	[Quad CPU] Intel Xeon Gold 6226 @ 2.70GHz		64,957	\$3,543.44
⏪	[Dual CPU] Intel Xeon Gold 5320 @ 2.20GHz		64,917	\$3,949.98
⏪	[Dual CPU] AMD EPYC 7F52		64,806	\$3,411.04*
⏪	[Dual CPU] Intel Xeon Gold 6354 @ 3.00GHz		64,422	\$4,832.70
⏪	[Dual CPU] Intel Xeon Platinum 8280 @ 2.70GHz		64,291	\$6,198.12
⏪	[Dual CPU] AMD EPYC 7402		64,259	\$1,521.20
⏪	[Quad CPU] Intel Xeon Gold 6150 @ 2.70GHz		64,115	\$796.00

⏏	[Dual CPU] Intel Xeon Gold 6330 @ 2.00GHz		64,015	\$2,499.90
⏏	[Dual CPU] Intel Xeon Gold 6258R @ 2.70GHz		63,984	\$7,156.62

🏠 CPU Benchmarks ▼

⏏	[Dual CPU] AMD EPYC 9124		63,027	\$2,190.00
⏏	[Dual CPU] Intel Xeon Gold 5416S		62,325	\$1,888.00*
⏏	[Dual CPU] Intel Xeon Platinum 8268 @ 2.90GHz		62,130	\$12,011.96*
⏏	[Dual CPU] Intel Xeon Platinum 8269CY @ 2.50GHz		61,811	NA
⏏	[Quad CPU] Intel Xeon Gold 6136 @ 3.00GHz		61,131	\$4,119.80*
⏏	[Dual CPU] Intel Xeon Gold 6268CL @ 2.80GHz		61,095	NA
⏏	[Dual CPU] Intel Xeon Gold 6248R @ 3.00GHz		61,068	\$4,094.00
⏏	[Quad CPU] Intel Xeon E7-8894 v4 @ 2.40GHz		60,496	\$35,592.00*
⏏	[Dual CPU] Intel Xeon Platinum 8276L @ 2.20GHz		60,188	\$4,999.90
⏏	[Dual CPU] Intel Xeon Platinum 8180 @ 2.50GHz		59,385	\$9,800.00
⏏	[Dual CPU] AMD EPYC 7551		57,865	\$224.04
⏏	[Dual CPU] Intel Xeon Platinum 8171M @ 2.60GHz		57,780	NA
⏏	[Quad CPU] Intel Xeon E7-8895 v2 @ 2.80GHz		57,307	NA
⏏	[Dual CPU] Intel Xeon Silver 4510		57,247	\$1,126.00*
⏏	[Dual CPU] Intel Xeon Gold 6238R @ 2.20GHz		57,049	\$3,294.00
⏏	[Dual CPU] Intel Xeon Gold 5318Y @ 2.10GHz		56,985	\$2,507.36
⏏	[Dual CPU] Intel Xeon Gold 6240R @ 2.40GHz		55,765	\$3,100.00
⏏	[Dual CPU] Intel Xeon Gold 6346 @ 3.10GHz		55,568	\$4,197.90
⏏	[Dual CPU] Intel Xeon Platinum 8260M @ 2.30GHz		55,297	\$15,410.00*
⏏	[Dual CPU] AMD EPYC 7401		55,280	\$678.00
⏏	[Dual CPU] AMD EPYC 7371		54,894	\$1,219.98*
⏏	[Dual CPU] Intel Xeon Platinum 8259CL @ 2.50GHz		54,849	NA
⏏	[Quad CPU] Intel Xeon E7-8880 v4 @ 2.20GHz		54,647	\$23,580.00*
⏏	[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz		54,621	\$14,436.00*
⏏	[Dual CPU] Intel Xeon Gold 6254 @ 3.10GHz		54,569	\$2,997.90
⏏	[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz		54,431	\$2,997.90
⏏	[Dual CPU] Intel Xeon Gold 6242R @ 3.10GHz		54,398	\$3,928.70
⏏	[Dual CPU] Intel Xeon Gold 5220R @ 2.20GHz		54,260	\$2,580.00
⏏	[Quad CPU] Intel Xeon Gold 5218 @ 2.30GHz		54,123	\$1,585.92
⏏	[Dual CPU] Intel Xeon Gold 6326 @ 2.90GHz		54,086	\$2,800.00
⏏	[Dual CPU] Intel Xeon Gold 5320H @ 2.40GHz		53,931	\$3,110.00*
⏏	[Dual CPU] Intel Xeon Platinum 8176 @ 2.10GHz		53,835	\$5,587.40*
⏏	[Dual CPU] AMD EPYC 7601		53,737	\$659.90
⏏	[Dual CPU] Intel Xeon Gold 6230R @ 2.10GHz		53,710	\$2,094.00
⏏	[Dual CPU] Intel Xeon Silver 4316 @ 2.30GHz		53,687	\$1,799.90
⏏	[Quad CPU] Intel Xeon E5-4667 v4 @ 2.20GHz		53,402	\$22,916.00*
⏏	[Dual CPU] Intel Xeon Platinum 8160M @ 2.10GHz		53,398	\$3,117.40*
⏏	[Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz		53,264	NA
⏏	[Dual CPU] Intel Xeon Platinum 8180M @ 2.50GHz		52,715	NA
⏏	[Dual CPU] Intel Xeon Platinum 8270CL @ 2.70GHz		52,386	NA
⏏	[Dual CPU] AMD EPYC 7451		52,322	\$3,574.00*
⏏	[Dual CPU] Intel Xeon Platinum 8260 @ 2.40GHz		52,066	\$4,103.88

⌵	[Dual CPU] Intel Xeon Gold 6266C @ 3.00GHz		51,998	NA
⌵	[Dual CPU] Intel Xeon Gold 6534		51,562	NA

🏠 CPU Benchmarks ▼

⌵	[Quad CPU] Intel Xeon E7-8890 v3 @ 2.50GHz		51,476	\$28,696.00*
⌵	[Dual CPU] AMD EPYC 7302		51,405	\$1,576.62
⌵	[Dual CPU] Intel Xeon Platinum 8273CL @ 2.20GHz		50,348	NA
⌵	[Dual CPU] Intel Xeon Gold 5318H @ 2.50GHz		50,218	\$2,546.00*
⌵	[Quad CPU] Intel Xeon E7-8880 v3 @ 2.30GHz		50,157	\$532.00*
⌵	[Dual CPU] AMD EPYC 72F3		50,017	\$2,486.44
⌵	[Dual CPU] Intel Xeon Gold 6252 @ 2.10GHz		49,891	\$2,012.80
⌵	[Dual CPU] Intel Xeon Gold 6253CL @ 3.10GHz		49,872	NA
⌵	[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz		49,501	\$2,163.98
⌵	[Dual CPU] Intel Xeon Platinum 8160 @ 2.10GHz		49,282	\$2,990.00
⌵	[Dual CPU] Intel Xeon Gold 6252N @ 2.30GHz		49,269	\$4,208.00*
⌵	[Dual CPU] Intel Xeon Silver 4514Y		49,120	\$1,560.00*
⌵	[Dual CPU] Intel Xeon Silver 4410Y		49,077	\$1,126.00*
⌵	[Quad CPU] Intel Xeon E7-8891 v4 @ 2.80GHz		48,879	NA
⌵	[Dual CPU] Intel Xeon Platinum 8124M @ 3.00GHz		48,775	NA
⌵	[Dual CPU] Intel Xeon Gold 6240 @ 2.60GHz		48,736	\$1,310.30
⌵	[Dual CPU] Intel Xeon Platinum 8252C @ 3.80GHz		48,676	NA
⌵	[Dual CPU] Intel Xeon Gold 6246R @ 3.40GHz		48,396	\$3,700.06
⌵	[Dual CPU] Intel Xeon Silver 4410T		48,208	\$1,248.00*
⌵	[Dual CPU] Intel Xeon Gold 6434		48,025	\$5,171.54
⌵	[Dual CPU] Intel Xeon Gold 6262 @ 1.90GHz		47,488	NA
⌵	[Quad CPU] Intel Xeon E7-4890 v2 @ 2.80GHz		47,367	\$24,800.00*
⌵	[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz		46,837	\$398.00
⌵	[Dual CPU] Intel Xeon Gold 6256 @ 3.60GHz		46,766	\$7,260.70
⌵	[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz		46,547	\$580.00
⌵	[Dual CPU] Intel Xeon Gold 6143 @ 2.80GHz		46,473	NA
⌵	[Dual CPU] Intel Xeon Silver 4314 @ 2.40GHz		46,348	\$1,486.26
⌵	[Quad CPU] Intel Xeon E7-8867 v3 @ 2.50GHz		46,001	\$18,688.00*
⌵	[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz		45,967	\$1,300.00
⌵	[Quad CPU] Intel Xeon E7-4870 v2 @ 2.30GHz		45,230	NA
⌵	[Dual CPU] Intel Xeon E5-2699A v4 @ 2.40GHz		44,999	\$9,876.00*
⌵	[Dual CPU] Intel Xeon Gold 5415+		44,674	\$2,132.00*
⌵	[Dual CPU] Intel Xeon Gold 6230 @ 2.10GHz		44,374	\$1,675.68
⌵	[Dual CPU] Intel Xeon Platinum 6162 @ 1.90GHz		44,322	\$6,230.00*
⌵	[Dual CPU] AMD EPYC 7272		44,270	\$419.98
⌵	[Dual CPU] Intel Xeon Platinum P-8124 @ 3.00GHz		43,913	NA
⌵	[Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz		43,601	\$3,191.90
⌵	[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz		42,393	\$438.00
⌵	[Dual CPU] Intel Xeon Gold 6246 @ 3.30GHz		42,206	\$6,226.44*
⌵	[Dual CPU] Intel Xeon Gold 5220 @ 2.20GHz		41,925	\$2,016.84
⌵	[Dual CPU] Intel Xeon Silver 4509Y		41,561	NA
⌵	[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz		41,313	\$3,659.90
⌵	[Quad CPU] Intel Xeon E5-4669 v3 @ 2.10GHz		41,232	\$21,600.00*
⌵	[Dual CPU] Intel Xeon Gold 5317 @ 3.00GHz		41,181	\$1,846.32