

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

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-CPU's 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 25th of April 2023

CPU	CPU Mark	Price (USD)
[Dual CPU] AMD EPYC 9654	149,727	\$13,996.00
[Dual CPU] AMD EPYC 9554	138,798	NA
[Dual CPU] Intel Xeon Platinum 8480+	129,411	\$21,420.00*
[Dual CPU] AMD EPYC 7J13	119,134	NA
[Dual CPU] AMD EPYC 7763	118,109	\$5,800.00
[Dual CPU] AMD EPYC 7643	115,676	\$9,100.00*
[Dual CPU] AMD EPYC 7T83	114,203	NA
[Dual CPU] AMD Ryzen Threadripper PRO 3995WX	113,693	\$14,130.00
[Dual CPU] AMD EPYC 7713	112,602	\$6,999.98
[Dual CPU] Intel Xeon Gold 6448Y	106,832	\$7,166.00*
[Dual CPU] AMD EPYC 7773X	106,234	\$7,198.00
[Dual CPU] AMD EPYC 7573X	103,531	\$10,300.00
[Dual CPU] AMD EPYC 7B12	102,240	NA

[Dual CPU] AMD EPYC 7742	99,760	\$4,196.00
[Dual CPU] AMD EPYC 75F3	99,758	\$8,619.76

**CPU Benchmarks**

[Dual CPU] AMD EPYC 7H12	97,449	\$8,190.00
[Dual CPU] AMD EPYC 7662	97,178	\$7,999.98*
[Dual CPU] AMD EPYC 7513	96,107	\$5,680.00*
[Dual CPU] AMD EPYC 74F3	95,545	\$6,102.08
[Dual CPU] AMD EPYC 7702	93,706	\$2,914.00
[Dual CPU] Intel Xeon Gold 5420+	93,290	\$3,696.00*
[Dual CPU] AMD EPYC 7K62	93,005	NA
[Dual CPU] Intel Xeon Platinum 8380 @ 2.30GHz	91,485	\$17,956.00*
[Dual CPU] Intel Xeon Platinum 8368 @ 2.40GHz	90,457	\$15,562.36*
[Dual CPU] AMD EPYC 7443	87,675	\$4,461.98*
[Dual CPU] Intel Xeon Platinum 8375C @ 2.90GHz	86,346	NA
[Dual CPU] Intel Xeon Gold 5418Y	84,673	\$2,966.00*
[Quad CPU] Intel Xeon Platinum 8260 @ 2.40GHz	83,793	\$11,359.76
[Dual CPU] AMD EPYC 7473X	83,530	NA
[Dual CPU] AMD EPYC 7532	82,917	\$4,192.98
[Dual CPU] Intel Xeon Platinum 8358 @ 2.60GHz	82,565	\$10,195.50*
[Dual CPU] Intel Xeon Gold 6430	80,969	NA
[Dual CPU] AMD EPYC 7502	80,226	\$2,150.00
[Dual CPU] AMD EPYC 7453	79,338	\$3,602.56
[Dual CPU] AMD EPYC 7452	77,746	\$3,470.88
[Quad CPU] Intel Xeon Gold 6256 @ 3.60GHz	76,542	\$14,408.88
[Dual CPU] Intel Xeon Gold 6348 @ 2.60GHz	75,783	\$4,277.36
[Quad CPU] Intel Xeon E7-8890 v4 @ 2.20GHz	75,539	\$28,696.00*
[Dual CPU] AMD EPYC 7343	75,422	\$3,399.98*
[Dual CPU] AMD EPYC 7R32	74,520	NA
[Dual CPU] AMD EPYC 7413	74,417	\$3,995.98*
[Dual CPU] AMD EPYC 7542	73,993	\$2,579.84
[Dual CPU] Intel Xeon Gold 6342 @ 2.80GHz	73,897	\$6,544.00*
[Dual CPU] AMD EPYC 7552	72,235	\$5,986.00
[Dual CPU] Intel Xeon Gold 6336Y @ 2.40GHz	71,984	\$3,859.90
[Dual CPU] Intel Xeon Gold 6338 @ 2.00GHz	68,675	\$3,701.00
[Dual CPU] Intel Xeon Platinum 8352Y @ 2.20GHz	68,643	\$3,897.56
[Dual CPU] Intel Xeon Platinum 8275CL @ 3.00GHz	66,812	NA
[Dual CPU] Intel Xeon Gold 5320 @ 2.20GHz	66,409	\$3,337.90
[Dual CPU] AMD EPYC 7352	66,239	\$1,890.00
[Dual CPU] AMD EPYC 7313	66,230	\$2,323.50
[Dual CPU] AMD EPYC 73F3	65,909	\$7,952.08*
[Dual CPU] Intel Xeon Gold 6338N @ 2.20GHz	65,860	\$9,343.38*
[Dual CPU] AMD EPYC 7F52	65,659	\$6,200.00*
[Dual CPU] Intel Xeon Gold 6354 @ 3.00GHz	65,194	\$5,515.98*
[Quad CPU] Intel Xeon Gold 6226 @ 2.70GHz	64,957	\$4,897.68
[Dual CPU] Intel Xeon Platinum 8280 @ 2.70GHz	64,291	\$9,295.36

[Dual CPU] Intel Xeon Gold 5416S	63,239	\$1,888.00*
[Dual CPU] AMD EPYC 7402	62,244	\$3,008.88



CPU Benchmarks



[Dual CPU] Intel Xeon Gold 6330 @ 2.00GHz	61,340	\$2,624.00
[Dual CPU] Intel Xeon Gold 6248R @ 3.00GHz	60,716	\$4,097.96
[Quad CPU] Intel Xeon E7-8894 v4 @ 2.40GHz	60,496	\$35,592.00*
[Dual CPU] Intel Xeon Platinum 8276L @ 2.20GHz	60,188	\$15,992.00
[Dual CPU] AMD EPYC 7451	58,608	\$1,998.00
[Dual CPU] Intel Xeon Platinum 8259CL @ 2.50GHz	58,279	NA
[Dual CPU] Intel Xeon Platinum 8171M @ 2.60GHz	57,780	NA
[Dual CPU] Intel Xeon Gold 5318Y @ 2.10GHz	57,611	\$3,400.00
[Quad CPU] Intel Xeon E7-8895 v2 @ 2.80GHz	57,307	NA
[Dual CPU] Intel Xeon Platinum 8176 @ 2.10GHz	56,381	\$5,587.40*
[Dual CPU] Intel Xeon Gold 6238R @ 2.20GHz	56,183	\$4,792.60
[Dual CPU] Intel Xeon Gold 6346 @ 3.10GHz	55,882	\$3,295.60
[Dual CPU] Intel Xeon Platinum 8260M @ 2.30GHz	55,297	\$15,410.00*
[Dual CPU] AMD EPYC 7401	55,280	\$710.00
[Dual CPU] Intel Xeon Gold 6240R @ 2.40GHz	55,113	\$2,800.00
[Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz	54,946	NA
[Dual CPU] Intel Xeon Gold 5220R @ 2.20GHz	54,889	\$2,640.00
[Dual CPU] Intel Xeon Gold 6254 @ 3.10GHz	54,869	\$5,097.46
[Dual CPU] AMD EPYC 7551	54,736	\$1,519.94
[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz	54,687	\$4,618.90
[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	54,621	\$14,436.00*
[Dual CPU] AMD EPYC 7601	54,613	\$2,859.98
[Dual CPU] Intel Xeon Gold 6230R @ 2.10GHz	54,605	\$2,798.70
[Quad CPU] Intel Xeon Gold 5218 @ 2.30GHz	54,123	\$3,588.00
[Dual CPU] Intel Xeon Gold 6326 @ 2.90GHz	54,114	\$2,800.00
[Dual CPU] Intel Xeon Gold 6242R @ 3.10GHz	53,595	\$3,990.98
[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 Silver 4316 @ 2.30GHz	53,252	\$1,900.00
[Dual CPU] Intel Xeon Platinum 8270CL @ 2.70GHz	52,386	NA
[Dual CPU] Intel Xeon Gold 6266C @ 3.00GHz	51,998	NA
[Dual CPU] Intel Xeon Platinum 8260 @ 2.40GHz	51,932	\$5,679.88
[Dual CPU] AMD EPYC 7282	51,676	\$1,100.00
[Quad CPU] Intel Xeon E7-8890 v3 @ 2.50GHz	51,476	\$28,696.00*
[Quad CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	50,719	\$21,600.00*
[Dual CPU] Intel Xeon Gold 6262 @ 1.90GHz	50,546	NA
[Dual CPU] Intel Xeon Platinum 8273CL @ 2.20GHz	50,348	NA
[Quad CPU] Intel Xeon E7-8880 v3 @ 2.30GHz	50,157	\$532.00*
[Dual CPU] AMD EPYC 7302	50,029	\$1,135.36
[Dual CPU] AMD EPYC 72F3	50,017	\$5,600.22
[Dual CPU] Intel Xeon Platinum 8160 @ 2.10GHz	49,903	\$3,498.90

[\[Dual CPU\] Intel Xeon Gold 6253CL @ 3.10GHz](#)[49,872](#)[NA](#)**CPU Benchmarks**[\[Dual CPU\] Intel Xeon Gold 6154 @ 3.00GHz](#)[48,709](#)[\\$3,398.14](#)[\[Dual CPU\] Intel Xeon Platinum 8124M @ 3.00GHz](#)[48,423](#)[NA](#)[\[Dual CPU\] Intel Xeon Platinum 8180M @ 2.50GHz](#)[47,880](#)[NA](#)[\[Dual CPU\] Intel Xeon Platinum 8252C @ 3.80GHz](#)[47,757](#)[NA](#)[\[Dual CPU\] Intel Xeon Gold 5317 @ 3.00GHz](#)[47,395](#)[\\$1,890.00](#)[\[Dual CPU\] Intel Xeon Gold 6256 @ 3.60GHz](#)[46,814](#)[\\$7,204.44](#)[\[Dual CPU\] Intel Xeon Silver 4314 @ 2.40GHz](#)[46,702](#)[\\$1,075.30](#)[\[Dual CPU\] Intel Xeon Gold 6143 @ 2.80GHz](#)[46,473](#)[NA](#)[\[Dual CPU\] Intel Xeon Gold 6148 @ 2.40GHz](#)[45,763](#)[\\$600.00](#)[\[Dual CPU\] Intel Xeon Gold 6152 @ 2.10GHz](#)[44,713](#)[\\$682.00](#)[\[Dual CPU\] Intel Xeon Gold 6230 @ 2.10GHz](#)[44,697](#)[\\$2,595.40](#)[\[Dual CPU\] AMD EPYC 7272](#)[44,270](#)[\\$1,196.00](#)[\[Dual CPU\] Intel Xeon Platinum P-8124 @ 3.00GHz](#)[43,913](#)[NA](#)[\[Dual CPU\] Intel Xeon Gold 6140 @ 2.30GHz](#)[43,235](#)[\\$1,420.08](#)[\[Dual CPU\] Intel Xeon Gold 6246 @ 3.30GHz](#)[42,867](#)[\\$6,226.44*](#)[\[Dual CPU\] Intel Xeon Gold 6146 @ 3.20GHz](#)[42,569](#)[\\$3,000.00](#)[\[Dual CPU\] Intel Xeon Gold 6139 @ 2.30GHz](#)[42,137](#)[NA](#)[\[Dual CPU\] Intel Xeon Gold 6138 @ 2.00GHz](#)[42,129](#)[\\$1,188.00](#)[\[Dual CPU\] Intel Xeon Gold 5220 @ 2.20GHz](#)[41,925](#)[\\$2,459.90](#)[\[Quad CPU\] Intel Xeon E7-4890 v2 @ 2.80GHz](#)[41,683](#)[\\$24,800.00*](#)[\[Dual CPU\] Intel Xeon E5-2699A v4 @ 2.40GHz](#)[41,649](#)[\\$9,876.00*](#)[\[Dual CPU\] Intel Xeon E5-2696 v4 @ 2.20GHz](#)[41,579](#)[\\$3,818.00](#)[\[Dual CPU\] Intel Xeon Gold 5218R @ 2.10GHz](#)[41,346](#)[\\$1,778.24](#)[\[Dual CPU\] AMD EPYC 7F32](#)[41,230](#)[\\$4,931.02*](#)[\[Quad CPU\] Intel Xeon E5-4650 v4 @ 2.20GHz](#)[41,126](#)[\\$392.00*](#)[\[Dual CPU\] Intel Xeon E5-2699 v4 @ 2.20GHz](#)[41,112](#)[\\$10,791.28*](#)[\[Dual CPU\] Intel Xeon Gold 5218N @ 2.30GHz](#)[41,082](#)[\\$2,840.00*](#)[\[Dual CPU\] Intel Xeon Gold 6122 @ 1.80GHz](#)[40,707](#)[\\$4,004.00*](#)[\[Dual CPU\] Intel Xeon Gold 6226R @ 2.90GHz](#)[40,615](#)[\\$2,234.40](#)[\[Dual CPU\] Intel Xeon Gold 6138T @ 2.00GHz](#)[40,064](#)[\\$6,691.56*](#)[\[Dual CPU\] Intel Xeon E5-2673 v4 @ 2.30GHz](#)[39,894](#)[\\$3,900.00*](#)[\[Dual CPU\] Intel Xeon E5-2698 v4 @ 2.20GHz](#)[39,435](#)[\\$1,817.40*](#)[\[Dual CPU\] Intel Xeon Gold 6242 @ 2.80GHz](#)[39,315](#)[\\$2,399.62](#)[\[Quad CPU\] Intel Xeon E7-4880 v2 @ 2.50GHz](#)[39,311](#)[\\$1,196.00*](#)[\[Dual CPU\] Intel Xeon Silver 4310 @ 2.10GHz](#)[38,609](#)[\\$839.02](#)[\[Dual CPU\] Intel Xeon Gold 6142 @ 2.60GHz](#)[37,882](#)[\\$3,160.00](#)[\[Dual CPU\] Intel Xeon E5-2697 v4 @ 2.30GHz](#)[37,700](#)[\\$862.90](#)[\[Dual CPU\] Intel Xeon Gold 5315Y @ 3.20GHz](#)[37,309](#)[\\$2,310.40](#)[\[Dual CPU\] Intel Xeon Gold 6149 @ 3.10GHz](#)[37,240](#)[NA](#)[\[Quad CPU\] Intel Xeon E7-8867 v3 @ 2.50GHz](#)[36,908](#)[\\$18,688.00*](#)[\[Quad CPU\] Intel Xeon E7-8857 v2 @ 3.00GHz](#)[36,304](#)[\\$15,352.00*](#)[\[Dual CPU\] Intel Xeon Gold 6136 @ 3.00GHz](#)[35,996](#)[\\$780.00](#)[\[Dual CPU\] Intel Xeon Gold 6126 @ 2.60GHz](#)[35,700](#)[\\$454.36](#)

[Dual CPU] Intel Xeon Gold 6250 @ 3.90GHz	35,164	\$4,996.92
[Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz	34,837	\$1,179.90



CPU Benchmarks ▼

[Dual CPU] AMD EPYC 7252	34,786	\$749.98
[Dual CPU] Intel Xeon Gold 5218T @ 2.10GHz	34,757	\$2,698.00*
[Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz	34,720	\$696.00
[Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz	34,573	\$1,180.20
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	34,500	NA
[Quad CPU] Intel Xeon E5-4657L v2 @ 2.40GHz	34,499	\$3,004.76*
[Dual CPU] AMD EPYC 7262	34,227	\$974.40
[Dual CPU] AMD EPYC 7301	34,148	\$2,999.96*
[Dual CPU] Intel Xeon Gold 6334 @ 3.60GHz	34,029	\$5,502.58*
[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	34,018	\$898.90
[Dual CPU] Intel Xeon E5-2686 v4 @ 2.30GHz	33,569	NA
[Dual CPU] Intel Xeon Gold 6244 @ 3.60GHz	33,310	\$5,940.00*
[Quad CPU] Intel Xeon E5-4650 v2 @ 2.40GHz	32,805	\$1,995.80*
[Dual CPU] Intel Xeon Gold 6226 @ 2.70GHz	32,627	\$2,448.84
[Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz	32,379	NA
[Dual CPU] Intel Xeon Silver 4309Y @ 2.80GHz	32,356	\$1,150.00
[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	32,319	\$393.42
[Dual CPU] Intel Xeon Platinum 8153 @ 2.00GHz	32,180	\$6,230.00*
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	32,130	\$16,500.00
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	31,869	NA
[Dual CPU] Intel Xeon Silver 4216 @ 2.10GHz	31,603	\$1,500.00
[Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	31,474	\$10,800.00*
[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	31,070	\$3,122.00*
[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	31,008	\$285.26
[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	30,624	\$1,995.80*
[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz	30,323	NA
[Dual CPU] Intel Xeon Silver 4214R @ 2.40GHz	29,767	\$1,200.00
[Dual CPU] Intel Xeon E5-4650 v4 @ 2.20GHz	29,181	\$196.00*
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	29,154	\$3,920.00
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz	29,118	\$1,160.00
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	28,903	\$1,880.20
[Dual CPU] Intel Xeon Gold 6234 @ 3.30GHz	28,888	\$2,948.52
[Quad CPU] Intel Xeon E7-8893 v4 @ 3.20GHz	28,424	\$27,364.00*
[Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz	28,219	\$460.00
[Dual CPU] Intel Xeon Platinum 8253 @ 2.20GHz	28,165	\$13,807.86
[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	28,140	\$752.00
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz	27,797	NA
[Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz	27,375	\$149.80
[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	27,103	\$354.38
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz	26,863	NA
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	26,444	\$83.98
[Dual CPU] Intel Xeon E7-8880 v2 @ 2.50GHz	25,966	\$219.28*
[Dual CPU] Intel Xeon Silver 4214 @ 2.20GHz	25,863	\$1,098.62