

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 systems 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
----------	-------------------

PassMark - CPU Mark

Multiple CPU Systems

Updated 26th of September 2022

CPU	CPU Mark	Price (USD)
[Dual CPU] AMD EPYC 7763	118,142	\$9,499.98
[Dual CPU] AMD EPYC 7643	115,676	\$10,849.98*
[Dual CPU] AMD Ryzen Threadripper PRO 3995WX	113,693	\$14,556.00
[Dual CPU] AMD EPYC 7T83	109,282	NA
[Dual CPU] AMD EPYC 7573X	103,531	NA
[Dual CPU] AMD EPYC 7713	102,246	\$8,399.98
[Dual CPU] AMD EPYC 7K83	102,053	NA
[Dual CPU] AMD EPYC 7543	101,710	\$7,522.00*
[Dual CPU] AMD EPYC 7H12	100,817	\$10,000.00
[Dual CPU] AMD EPYC 7742	99,760	\$9,873.90
[Dual CPU] AMD EPYC 75F3	99,758	\$9,998.00*
[Dual CPU] AMD Ryzen Threadripper PRO 3975WX	98,811	\$6,495.98
[Dual CPU] AMD EPYC 7662	97,178	\$7,999.98*
[Dual CPU] AMD EPYC 7513	96,378	\$5,680.00*
[Dual CPU] AMD EPYC 74F3	95,545	\$9,597.90
[Dual CPU] AMD EPYC 7702	91,878	\$4,518.50
[Dual CPU] Intel Xeon Platinum 8380 @ 2.30GHz	91,485	\$17,956.00*
[Dual CPU] AMD EPYC 7552	91,019	\$5,999.64
[Dual CPU] AMD EPYC 7473X	90,570	NA
[Dual CPU] Intel Xeon Platinum 8368 @ 2.40GHz	90,457	\$15,562.36*
[Dual CPU] AMD EPYC 7443	86,728	\$4,461.98*

[Dual CPU] Intel Xeon Platinum 8375C @
2.90GHz

86,346

NA



CPU Benchmarks



[← 490314](#)

[Dual CPU] AMD EPYC 7532

82,917

\$2,679.92*

[Dual CPU] Intel Xeon Platinum 8358 @
2.60GHz

82,565

\$10,195.50*

[Dual CPU] AMD EPYC 7502

80,226

\$4,193.60

[Dual CPU] AMD EPYC 7452

78,639

\$4,600.00

[Quad CPU] Intel Xeon Gold 6256 @ 3.60GHz

76,542

\$16,608.00

[Dual CPU] Intel Xeon Gold 6348 @ 2.60GHz

75,569

\$5,599.98

[Quad CPU] Intel Xeon E7-8890 v4 @ 2.20GHz

75,539

\$28,696.00*

[Dual CPU] AMD EPYC 7343

74,666

\$3,399.98*

[Dual CPU] Intel Xeon Gold 6342 @ 2.80GHz

74,533

\$6,544.00

[Dual CPU] AMD EPYC 7413

74,417

\$3,995.98*

[Dual CPU] AMD EPYC 7542

73,993

\$2,999.98

[Dual CPU] Intel Xeon Gold 6338 @ 2.00GHz

73,687

\$5,004.00

[Dual CPU] Intel Xeon Gold 6336Y @ 2.40GHz

72,276

\$5,715.90*

[Dual CPU] Intel Xeon Platinum 8352Y @
2.20GHz

68,643

\$5,900.00

[Dual CPU] Intel Xeon Gold 5320 @ 2.20GHz

66,826

\$3,591.98

[Dual CPU] Intel Xeon Platinum 8275CL @
3.00GHz

66,812

NA

[Dual CPU] AMD EPYC 7352

66,239

\$2,483.14

[Dual CPU] AMD EPYC 73F3

65,909

\$7,994.66

[Dual CPU] AMD EPYC 7F52

65,659

\$6,200.00*

[Dual CPU] Intel Xeon Gold 6354 @ 3.00GHz

65,194

\$5,515.98*

[Dual CPU] Intel Xeon Platinum 8280 @
2.70GHz

64,291

\$19,790.88*

[Dual CPU] Intel Xeon Gold 6258R @ 2.70GHz

63,984

\$7,210.28

[Dual CPU] AMD Ryzen Threadripper PRO
3955WX

63,885

\$2,632.00

[Dual CPU] AMD EPYC 7313

63,799

\$2,359.98*

[Dual CPU] Intel Xeon Platinum 8180 @
2.50GHz

61,751

\$12,168.00

[Dual CPU] Intel Xeon Gold 6330 @ 2.00GHz

61,340

\$3,298.00

[Dual CPU] Intel Xeon Gold 6248R @ 3.00GHz

60,351

\$5,190.00

[Dual CPU] AMD EPYC 7451

58,873

\$2,798.00

[Dual CPU] Intel Xeon Gold 6338N @ 2.20GHz

58,730

\$9,343.38*

[Dual CPU] AMD EPYC 7402

58,436

\$3,590.00

[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] AMD EPYC 7601

56,790

\$1,751.84

[Dual CPU] Intel Xeon Gold 6240R @ 2.40GHz

56,670

\$3,613.08

[Dual CPU] Intel Xeon Gold 5318Y @ 2.10GHz

56,362

\$2,722.00*

[Dual CPU] Intel Xeon Gold 6238R @ 2.20GHz

56,183

\$5,571.06

[Dual CPU] Intel Xeon Gold 6346 @ 3.10GHz

55,882

\$3,936.00

[Dual CPU] Intel Xeon Gold 5220R @ 2.20GHz

55,722

\$3,330.00

[Dual CPU] AMD EPYC 7551

55,708

\$1,176.00

[Dual CPU] Intel Xeon Platinum 8260M @
2.30GHz

55,297

\$15,410.00*

[Dual CPU] AMD EPYC 7401

55,280

\$5,797.90


[Dual CPU] Intel Xeon Gold 6254 @ 3.10GHz

54,869

\$7,004.00*

[Dual CPU] Intel Xeon Gold 6230R @ 2.10GHz	54,605	\$3,534.00
[Dual CPU] Intel Xeon Gold 6326 @ 2.90GHz	53,553	\$3,151.42*
 CPU Benchmarks ▼		
[Dual CPU] Intel Xeon Platinum 8101M @ 2.10GHz	53,398	\$3,117.40*
[Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz	53,093	NA
[Dual CPU] Intel Xeon Silver 4316 @ 2.30GHz	52,515	\$2,204.00
[Dual CPU] Intel Xeon Platinum 8270CL @ 2.70GHz	52,386	NA
[Dual CPU] Intel Xeon Platinum 8260 @ 2.40GHz	52,110	\$6,909.98*
[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz	52,011	\$12,300.00
[Quad CPU] Intel Xeon E7-8890 v3 @ 2.50GHz	51,476	\$28,696.00*
[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	51,087	\$5,836.00
[Quad CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	50,719	\$21,600.00*
[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] Intel Xeon Gold 6253CL @ 3.10GHz	49,872	NA
[Dual CPU] Intel Xeon Platinum 8160 @ 2.10GHz	49,865	\$4,697.40
[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz	49,826	\$4,230.50
[Dual CPU] Intel Xeon Gold 6242R @ 3.10GHz	49,621	\$5,001.74
[Dual CPU] Intel Xeon Gold 6240 @ 2.60GHz	49,416	\$4,274.02
[Dual CPU] AMD EPYC 72F3	49,204	\$5,630.12
[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] AMD EPYC 7302	47,243	\$2,022.78
[Dual CPU] Intel Xeon Silver 4314 @ 2.40GHz	47,105	\$1,563.14
[Dual CPU] Intel Xeon Gold 6256 @ 3.60GHz	46,814	\$8,304.00
[Dual CPU] Intel Xeon Gold 6143 @ 2.80GHz	46,473	NA
[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz	45,134	\$4,426.04
[Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz	44,763	\$5,642.00
[Dual CPU] AMD EPYC 7272	44,270	\$1,327.98
[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz	44,109	\$5,579.96
[Dual CPU] Intel Xeon Platinum P-8124 @ 3.00GHz	43,913	NA
[Dual CPU] Intel Xeon Gold 6230 @ 2.10GHz	43,606	\$3,800.00
[Dual CPU] Intel Xeon Gold 6226R @ 2.90GHz	43,075	\$2,417.98
[Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz	43,063	\$11,915.92*
[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz	43,036	\$5,580.00
[Dual CPU] Intel Xeon Gold 6246 @ 3.30GHz	42,867	\$6,226.44*
[Dual CPU] Intel Xeon Gold 6139 @ 2.30GHz	42,137	NA
[Dual CPU] Intel Xeon Gold 5218R @ 2.10GHz	41,497	\$2,401.60
[Dual CPU] Intel Xeon Gold 5220 @ 2.20GHz	41,443	\$3,335.98
[Dual CPU] AMD EPYC 7F32	41,230	\$4,931.02*
[Dual CPU] Intel Xeon Silver 4310 @ 2.10GHz	41,160	\$1,170.02
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz	40,841	\$1,817.40*
[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz	40,783	\$2,960.02

[Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz	40,709	\$1,998.00
[Dual CPU] Intel Xeon E5-2699A v4 @	40,684	\$2,070.00*
Home CPU Benchmarks ▼		
[Dual CPU] Intel Xeon Gold 6138T @ 2.00GHz	40,064	\$6,377.46
[Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz	39,415	\$984.20
[Dual CPU] Intel Xeon Gold 6242 @ 2.80GHz	39,315	\$5,798.20
[Quad CPU] Intel Xeon E7-4880 v2 @ 2.50GHz	39,311	\$1,196.00*
[Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz	37,579	\$3,584.00
[Dual CPU] Intel Xeon Gold 5315Y @ 3.20GHz	37,309	\$2,610.00*
[Dual CPU] Intel Xeon Gold 6149 @ 3.10GHz	37,240	NA
[Quad CPU] Intel Xeon E5-4657L v2 @ 2.40GHz	37,208	\$3,004.76*
[Dual CPU] Intel Xeon E5-2673 v4 @ 2.30GHz	36,922	\$3,900.00*
[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 6130 @ 2.10GHz	36,030	\$3,230.00
[Dual CPU] Intel Xeon Gold 6250 @ 3.90GHz	35,978	\$7,752.88
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	35,635	NA
[Dual CPU] Intel Xeon Gold 5218 @ 2.30GHz	35,477	\$2,174.00
[Dual CPU] Intel Xeon Gold 6130H @ 2.10GHz	35,440	NA
[Dual CPU] Intel Xeon E5-2686 v4 @ 2.30GHz	35,348	NA
[Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz	35,160	\$1,094.46
[Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz	34,807	\$4,669.98
[Dual CPU] Intel Xeon Gold 5218T @ 2.10GHz	34,757	\$2,698.00*
[Dual CPU] Intel Xeon Silver 4309Y @ 2.80GHz	34,573	\$1,268.30
[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	34,272	\$962.90
[Dual CPU] AMD EPYC 7262	34,227	\$1,147.16*
[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 E5-2695 v4 @ 2.10GHz	33,990	\$1,184.20
[Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz	33,862	\$4,996.00*
[Dual CPU] Intel Xeon Gold 6244 @ 3.60GHz	33,310	\$5,940.00*
[Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz	32,819	NA
[Quad CPU] Intel Xeon E5-4650 v2 @ 2.40GHz	32,805	\$1,995.80*
[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	32,319	\$4,244.00
[Dual CPU] Intel Xeon Platinum 8153 @ 2.00GHz	32,180	\$6,230.00*
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	32,170	\$1,459.90
[Dual CPU] Intel Xeon Silver 4216 @ 2.10GHz	31,848	\$1,910.00
[Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	31,474	\$10,800.00*
[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	31,337	\$446.38
[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	31,070	\$3,122.00*
[Dual CPU] Intel Xeon Gold 6226 @ 2.70GHz	30,546	\$3,283.80
[Dual CPU] Intel Xeon Silver 4214R @ 2.40GHz	29,912	\$1,439.50
[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz	29,885	NA
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	29,303	\$1,950.20
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz	29,181	\$624.90
[Dual CPU] Intel Xeon Gold 6234 @ 3.30GHz	28,888	\$5,140.00

[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	28,518	\$788.90
[Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz	28,428	\$338.00
 CPU Benchmarks ▼		
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	28,257	NA
[Dual CPU] Intel Xeon Platinum 8253 @ 2.20GHz	28,165	\$6,850.00
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	27,849	\$3,296.00
[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	27,810	\$392.38
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz	27,797	NA
[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	27,746	\$1,995.80*
[Dual CPU] Intel Xeon Gold 5215 @ 2.50GHz	27,736	\$2,798.00
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	26,889	\$436.90
[Dual CPU] Intel Xeon Silver 4215R @ 3.20GHz	26,714	\$1,640.00
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz	26,227	NA
[Dual CPU] Intel Xeon E7-8880 v2 @ 2.50GHz	25,966	\$219.28*
[Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz	25,470	\$1,400.00
[Dual CPU] AMD EPYC 7351	25,431	\$1,798.00
[Dual CPU] Intel Xeon Gold 5217 @ 3.00GHz	25,409	\$3,290.00*
[Quad CPU] Intel Xeon E5-4650 @ 2.70GHz	25,373	\$312.76
[Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz	25,332	\$212.38*
[Dual CPU] Intel Xeon Silver 4214 @ 2.20GHz	25,328	\$1,366.00
[Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	25,055	\$12,400.00*
[Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz	24,747	\$899.90
[Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz	24,482	\$158.00
[Dual CPU] Intel Xeon E5-2667 v4 @ 3.20GHz	24,470	\$364.00
[Quad CPU] Intel Xeon E7- 8870 @ 2.40GHz	24,434	\$20,034.04*
[Dual CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	24,421	\$7,218.00*
[Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz	24,334	\$1,263.32
[Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz	24,310	\$998.00
[Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz	23,788	NA
[Dual CPU] Intel Xeon Silver 4210R @ 2.40GHz	23,747	\$1,095.98
[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	23,701	\$159.98
[Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz	23,541	\$325.00
[Quad CPU] Intel Xeon E5-4610 @ 2.40GHz	23,354	\$860.76
[Dual CPU] Intel Xeon Silver 4210 @ 2.20GHz	23,331	\$1,007.34
[Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz	23,021	\$156.56*
[Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz	22,992	\$2,062.00
[Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz	22,855	\$238.00
[Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz	22,701	\$1,400.00*
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz	22,581	\$421.90
[Dual CPU] Intel Xeon E5-2658 v3 @ 2.20GHz	22,573	NA
[Dual CPU] Intel Xeon E5-4640 v4 @ 2.10GHz	22,559	NA
[Dual CPU] Intel Xeon Silver 4215 @ 2.50GHz	22,379	\$1,362.48
[Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz	22,254	\$260.02
[Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz	22,253	\$356.00
[Dual CPU] Intel Xeon E5-4627 v4 @ 2.60GHz	22,162	\$1,999.98*
[Dual CPU] Intel Xeon E5-2640 v4 @ 2.40GHz	21,615	\$866.38
[Dual CPU] Intel Xeon E5-4657L v2 @ 2.40GHz	21,548	\$1,502.38*

[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	21,487	\$306.30
[Dual CPU] Intel Xeon Silver 4114 @ 2.20GHz	21,396	\$1,420.00
 CPU Benchmarks ▼		
[Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz	21,169	\$349.90*
[Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz	21,125	\$806.00
[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	20,931	\$864.38
[Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz	20,784	\$276.00
[Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz	20,603	NA
[Dual CPU] Intel Xeon E5-2676 v3 @ 2.40GHz	20,528	NA
[Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz	20,395	\$158.00
[Dual CPU] Intel Xeon E5-4627 v3 @ 2.60GHz	20,294	\$4,800.00*
[Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz	20,233	NA
[Quad CPU] Intel Xeon E7-4830 @ 2.13GHz	19,981	\$6,741.76*
[Dual CPU] Intel Xeon E5-2630L v4 @ 1.80GHz	19,755	\$196.00
[Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz	19,744	NA
[Quad CPU] AMD Opteron 6376	19,717	\$8,220.00
[Dual CPU] Intel Core i5-12400F	19,680	\$349.98
[Quad CPU] Intel Xeon E5-4640 @ 2.40GHz	19,664	\$235.36*
[Dual CPU] Intel Xeon Silver 4208 @ 2.10GHz	19,635	\$968.42
[Dual CPU] Intel Xeon E5-2643 v4 @ 3.40GHz	19,484	\$494.00
[Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz	19,384	\$188.30
[Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	19,028	\$78.64*
[Dual CPU] Intel Xeon E5-2650L v3 @ 1.80GHz	18,983	\$2,730.00*
[Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz	18,839	\$140.00
[Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz	18,127	\$7,208.00*
[Quad CPU] Intel Xeon E5-4620 v2 @ 2.60GHz	18,048	\$364.00*
[Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz	17,907	\$797.74
[Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz	17,867	\$156.00
[Dual CPU] Intel Xeon E5-2687W @ 3.10GHz	17,852	\$384.00
[Dual CPU] Intel Xeon Gold 5222 @ 3.80GHz	17,836	\$3,155.78
[Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz	17,767	\$118.00
[Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz	17,491	\$148.00
[Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz	17,113	\$154.04
[Dual CPU] Intel Xeon Silver 4110 @ 2.10GHz	17,004	\$1,020.00
[Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz	16,903	\$797.90
[Quad CPU] Intel Xeon E5-4617 @ 2.90GHz	16,902	\$143.52*
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz	16,789	\$138.00
[Dual CPU] Intel Xeon Platinum 8256 @ 3.80GHz	16,787	\$14,992.00*
[Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz	16,763	\$432.00
[Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz	16,272	\$2,700.00
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz	16,151	\$365.50*
[Dual CPU] Intel Xeon E5-4620 v2 @ 2.60GHz	16,094	\$182.00*
[Dual CPU] Intel Xeon E5-2680 @ 2.70GHz	16,047	\$148.00
[Dual CPU] Intel Xeon E5-2648L v2 @ 1.90GHz	16,028	\$1,890.00*
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz	16,018	\$388.14
[Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz	15,978	\$591.90
[Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	15,898	\$997.90*

[Dual CPU] Intel Xeon E5-2670 @ 2.60GHz	15,751	\$142.00
[Quad CPU] Intel Xeon E7-4860 @ 2.27GHz	15,663	\$159.96*
 CPU Benchmarks ▼		
[Quad CPU] Intel Xeon X7560 @ 2.27GHz	15,329	\$2,200.00
[Dual CPU] Intel Xeon E5-4610 v4 @ 1.80GHz	15,084	\$845.00*
[Dual CPU] Intel Xeon E5-2470 @ 2.30GHz	14,771	\$119.34
[Dual CPU] Intel Xeon E5-2665 @ 2.40GHz	14,720	\$170.00
[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	14,625	\$152.66
[Dual CPU] Intel Xeon E5-2630L v3 @ 1.80GHz	14,407	\$158.00*
[Dual CPU] Intel Xeon E5-4650 @ 2.70GHz	14,309	\$156.38
[Dual CPU] Intel Xeon E5-2637 v4 @ 3.50GHz	14,211	\$179.98
[Dual CPU] Intel Xeon E5-2660 @ 2.20GHz	13,987	\$98.00
[Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz	13,818	\$1,209.00*
[Quad CPU] AMD Opteron 6278	13,733	\$512.00
[Dual CPU] Intel Xeon E5-2630 v2 @ 2.60GHz	13,465	\$98.00
[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	13,378	\$118.00
[Quad CPU] AMD Opteron 6378	13,236	\$6,839.60
[5-Way] AMD Ryzen 9 5950X	13,220	\$2,749.95
[Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz	13,131	\$130.38
[Dual CPU] AMD Opteron 6348	13,072	\$3,417.30
[Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz	13,036	\$99.98
[Dual CPU] Intel Xeon E5-2650 @ 2.00GHz	12,999	\$98.00
[Dual CPU] Intel Xeon X5690 @ 3.47GHz	12,857	\$338.74
[Dual CPU] Intel Xeon E5-2667 @ 2.90GHz	12,798	\$77.74
[Quad CPU] AMD Opteron 6174	12,607	\$19,708.00
[Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz	12,481	\$166.12*
[Dual CPU] Intel Xeon X5680 @ 3.33GHz	12,431	\$290.00
[Dual CPU] Intel Xeon E5-4640 @ 2.40GHz	12,375	\$117.68*
[Dual CPU] AMD Opteron 6380	12,359	\$1,711.58*
[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	12,267	\$97.82
[Dual CPU] Intel Xeon Silver 4112 @ 2.60GHz	12,263	\$452.00
[Dual CPU] AMD Opteron 6386 SE	12,247	\$270.18*
[Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz	12,023	\$183.74
[Dual CPU] Intel Xeon E5-2450L @ 1.80GHz	11,921	\$156.00*
[Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz	11,808	\$257.40
[Dual CPU] Intel Xeon X5675 @ 3.07GHz	11,616	\$51.48
[Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz	11,504	\$170.38
[Dual CPU] Intel Xeon E5-2640 @ 2.50GHz	11,477	\$100.00
[Dual CPU] Intel Xeon E5-4620 @ 2.20GHz	11,474	\$130.32
[Dual CPU] AMD Opteron 6378	11,468	\$3,419.80
[Dual CPU] Intel Xeon E5-4617 @ 2.90GHz	11,387	\$71.76*
[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	11,364	\$98.00
[Dual CPU] Intel Xeon X5670 @ 2.93GHz	11,014	\$77.98
[Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz	10,918	NA
[Dual CPU] Intel Xeon Bronze 3206R @ 1.90GHz	10,797	\$612.00*
[Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz	10,786	\$98.00
[Quad CPU] AMD Opteron 6276	10,763	\$142.64
[Dual CPU] Intel Xeon E5-2630 @ 2.30GHz	10,756	\$106.70

[Dual CPU] Intel Xeon E5-2450 @ 2.10GHz	10,408	\$128.00
[Dual CPU] Intel Xeon E5-2440 @ 2.40GHz	10,400	\$340.00
 CPU Benchmarks ▼		
[Dual CPU] Intel Xeon X5660 @ 2.80GHz	10,376	\$110.28
[Dual CPU] AMD Opteron 6274	10,313	\$1,771.90
[Dual CPU] AMD Opteron 6366 HE	10,265	\$687.98*
[Dual CPU] Intel Xeon X5650 @ 2.67GHz	10,257	\$100.00
[Dual CPU] AMD Opteron 6276	10,232	\$71.32
[Dual CPU] AMD Opteron 6376	10,210	\$4,110.00
[Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz	10,174	\$629.90
[Quad CPU] AMD Opteron 6328	10,076	\$6,396.00
[Dual CPU] Intel Xeon E5-2658 @ 2.10GHz	10,053	\$2,701.40*
[Dual CPU] Intel Xeon Bronze 3106 @ 1.70GHz	10,023	\$1,005.56
[Dual CPU] Intel Xeon E5-2648L @ 1.80GHz	9,940	NA
[Quad CPU] Intel Xeon E7450 @ 2.40GHz	9,932	\$400.00
[Dual CPU] AMD Opteron 6328	9,926	\$3,198.00
[Dual CPU] Intel Xeon E5-2643 @ 3.30GHz	9,888	\$286.00
[Dual CPU] Intel Xeon E5649 @ 2.53GHz	9,639	\$145.26
[Dual CPU] Intel Xeon E5-2430L @ 2.00GHz	9,635	\$64.56*
[Dual CPU] Intel Xeon E5-2630L @ 2.00GHz	9,622	NA
[Dual CPU] Intel Xeon E5-2620 @ 2.00GHz	9,533	\$106.04
[Dual CPU] Intel Xeon X5679 @ 3.20GHz	9,431	NA
[Dual CPU] Intel Xeon E5-2430 @ 2.20GHz	9,418	\$138.00
[Dual CPU] Intel Xeon X5687 @ 3.60GHz	9,283	\$379.90*
[Dual CPU] Intel Xeon E5-2420 @ 1.90GHz	9,252	\$340.00
[Dual CPU] Intel Xeon X5677 @ 3.47GHz	9,021	\$220.00*
[Dual CPU] AMD Opteron 4386	8,984	\$479.34*
[Dual CPU] AMD Opteron 6272	8,949	\$140.00
[Dual CPU] Intel Xeon E5645 @ 2.40GHz	8,917	\$79.98
[Dual CPU] Intel Xeon X5672 @ 3.20GHz	8,807	\$89.98*
[Dual CPU] AMD Opteron 6234	8,644	\$901.98
[Dual CPU] AMD Opteron 4284	8,560	\$203.76
[Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz	8,540	\$141.98
[Dual CPU] Intel Xeon E5-2623 v4 @ 2.60GHz	8,506	\$158.00
[Dual CPU] Intel Xeon E5-2428L @ 1.80GHz	8,500	\$154.00*
[Dual CPU] Intel Xeon L5640 @ 2.27GHz	8,398	\$145.26
[Dual CPU] Intel Xeon X5667 @ 3.07GHz	8,307	\$36.08*
[Dual CPU] Intel Xeon X7560 @ 2.27GHz	8,110	\$1,100.00
[Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz	8,098	\$639.52
[Dual CPU] AMD Opteron 6136	7,964	\$698.00
[Dual CPU] AMD Opteron 6220	7,951	\$25.94*
[Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz	7,927	\$370.90
[Dual CPU] Intel Xeon X7550 @ 2.00GHz	7,873	\$200.00
[Quad CPU] Intel Xeon X7350 @ 2.93GHz	7,836	\$442.40*
[Quad CPU] AMD Opteron 8378	7,788	\$352.84*
[Dual CPU] Intel Xeon X5647 @ 2.93GHz	7,779	\$39.86*
[3-Way] ARM ARMv8 rev 1 (v8l) 12 Core 2201 MHz	7,371	NA
[Dual CPU] Intel Xeon E5640 @ 2.67GHz	7,292	\$128.00

[Quad CPU] Intel Xeon E7530 @ 1.87GHz	7,231	\$220.00*
[Dual CPU] Intel Xeon L5638 @ 2.00GHz	7,217	\$139.80*
 CPU Benchmarks ▼		
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz	6,784	\$98.00
[Dual CPU] Intel Xeon E5630 @ 2.53GHz	6,717	\$322.00
[Dual CPU] Intel Xeon E5-4603 @ 2.00GHz	6,690	\$264.38
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz	6,655	\$299.00
[Dual CPU] Intel Xeon W5590 @ 3.33GHz	6,640	\$2,812.68*
[Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz	6,626	\$200.00
[Quad CPU] Intel Xeon E7340 @ 2.40GHz	6,544	\$124.00*
[Quad CPU] Intel Xeon E7330 @ 2.40GHz	6,491	\$340.00*
[Dual CPU] Intel Xeon E5620 @ 2.40GHz	6,489	\$69.76
[Dual CPU] AMD Opteron 6128 HE	6,339	NA
[Dual CPU] AMD Opteron 6128	6,307	\$538.00
[Dual CPU] AMD Opteron 8439 SE	6,306	\$104.00*
[Dual CPU] Intel Xeon W5580 @ 3.20GHz	6,298	\$1,694.00
[Dual CPU] Intel Xeon E7-4807 @ 1.87GHz	6,223	\$90.00*
[Dual CPU] Intel Xeon X5570 @ 2.93GHz	6,129	\$200.00
[Dual CPU] AMD Opteron 6134	6,053	\$210.06
[Dual CPU] Intel Xeon E5-2609 @ 2.40GHz	5,866	\$143.86
[Dual CPU] Intel Xeon L5639 @ 2.13GHz	5,768	NA
[Dual CPU] Intel Xeon E5-2637 @ 3.00GHz	5,696	\$158.00*
[Dual CPU] Intel Xeon X5550 @ 2.67GHz	5,674	\$98.00
[Dual CPU] Intel Xeon X5560 @ 2.80GHz	5,606	\$142.00
[Quad CPU] AMD Opteron 8356	5,397	\$812.04*
[Dual CPU] Intel Xeon X5492 @ 3.40GHz	5,279	\$2,782.58*
[Dual CPU] AMD Opteron 2435	5,260	\$21.90*
[Dual CPU] Intel Xeon E5-2407 @ 2.20GHz	5,240	\$650.06
[Dual CPU] Intel Xeon E5530 @ 2.40GHz	5,122	\$59.98
[Dual CPU] Intel Xeon X5482 @ 3.20GHz	5,069	\$199.90*
[Dual CPU] Intel Xeon X5470 @ 3.33GHz	5,067	\$359.90*
[Dual CPU] Intel Xeon E5540 @ 2.53GHz	5,048	\$144.76
[Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz	4,983	\$106.04
[Dual CPU] Intel Xeon X5460 @ 3.16GHz	4,915	\$439.10*
[Dual CPU] Intel Xeon X5472 @ 3.00GHz	4,858	\$450.00*
[Dual CPU] Intel Xeon L5630 @ 2.13GHz	4,813	\$196.30
[Dual CPU] Intel Xeon X7460 @ 2.66GHz	4,803	\$404.38
[Dual CPU] Intel Xeon E5472 @ 3.00GHz	4,765	\$40.08*
[Dual CPU] Intel Xeon E5607 @ 2.27GHz	4,718	\$146.72
[Dual CPU] Intel Xeon X5450 @ 3.00GHz	4,706	\$99.92*
[Dual CPU] Intel Xeon E5450 @ 3.00GHz	4,614	\$73.98*
[Dual CPU] Intel Xeon E5520 @ 2.27GHz	4,511	\$70.00
[Dual CPU] Intel Xeon E5462 @ 2.80GHz	4,504	\$470.00
[Dual CPU] AMD Opteron 2427	4,499	\$110.00*
[Dual CPU] Intel Xeon E5-2603 @ 1.80GHz	4,433	\$130.32
[Dual CPU] Intel Xeon E5440 @ 2.83GHz	4,377	\$75.98*
[Dual CPU] Intel Xeon X5365 @ 3.00GHz	4,281	\$125.98*
[Dual CPU] Intel Xeon L5430 @ 2.66GHz	4,269	\$454.00

[Dual CPU] Intel Xeon E5430 @ 2.66GHz	4,238	\$459.90*
[Dual CPU] AMD Opteron 4130	4,200	\$459.90*
 CPU Benchmarks ▼		
[Dual CPU] Intel Xeon L5420 @ 2.50GHz	4,126	\$55.00*
[Dual CPU] AMD Opteron 2387	4,105	NA
[Dual CPU] Intel Xeon E5420 @ 2.50GHz	4,026	\$499.90*
[Dual CPU] Intel Xeon E5507 @ 2.27GHz	4,010	\$200.00
[Dual CPU] Intel Xeon L5410 @ 2.33GHz	3,974	\$200.16*
[Dual CPU] Intel Xeon X5355 @ 2.66GHz	3,882	\$599.90*
[Dual CPU] Intel Xeon E5410 @ 2.33GHz	3,800	\$21.38*
[Dual CPU] Intel Xeon E5506 @ 2.13GHz	3,793	\$192.00
[Dual CPU] Intel Xeon L5506 @ 2.13GHz	3,706	\$191.92
[Dual CPU] AMD Opteron 2374 HE	3,667	\$110.00*
[Dual CPU] Intel Xeon E5603 @ 1.60GHz	3,548	\$190.38
[Dual CPU] Intel Xeon E5345 @ 2.33GHz	3,524	\$79.98*
[Dual CPU] Intel Xeon E5405 @ 2.00GHz	3,384	\$466.50*
[Dual CPU] Intel Xeon E5504 @ 2.00GHz	3,292	\$98.00
[Dual CPU] AMD Opteron 2354	3,242	\$570.38*
[Dual CPU] Intel Xeon L5520 @ 2.27GHz	3,119	\$98.00
[Dual CPU] AMD Opteron 2356	3,009	\$159.90
[Dual CPU] Intel Xeon E5320 @ 1.86GHz	2,817	\$77.50*
[Quad CPU] AMD Opteron 885	2,696	NA
[Dual CPU] Intel Xeon E5310 @ 1.60GHz	2,629	\$98.00*
[Dual CPU] Intel Xeon X5260 @ 3.33GHz	2,389	\$26.00*
[Dual CPU] Intel Xeon 5160 @ 3.00GHz	2,212	\$87.00*
[Dual CPU] Intel Xeon 5150 @ 2.66GHz	1,997	\$61.98*
[Dual CPU] AMD Opteron 2218	1,994	\$192.82
[Dual CPU] Intel Xeon E5502 @ 1.87GHz	1,853	\$160.00
[Dual CPU] Intel Xeon 5140 @ 2.33GHz	1,752	\$73.98*
[Dual CPU] Intel Xeon E5503 @ 2.00GHz	1,707	\$260.38
[Dual CPU] Intel Xeon 5130 @ 2.00GHz	1,581	\$97.98*
[Dual CPU] AMD Opteron 2220	1,533	\$2,076.52
[Dual CPU] Intel Xeon 3.73GHz	1,511	NA
[Dual CPU] Intel Xeon 5120 @ 1.86GHz	1,486	\$2,051.80
[Dual CPU] AMD Opteron 285	1,441	\$49.90*
[Dual CPU] AMD Opteron 290	1,430	\$270.00*
[Dual CPU] Intel Xeon 5110 @ 1.60GHz	1,289	\$70.00*
[Dual CPU] Intel Xeon 3.40GHz	843	NA
[Dual CPU] Intel Xeon 3.20GHz	700	NA
[Dual CPU] Intel Xeon 3.06GHz	533	NA

//

Software

Hardware