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CPU Benchmarks

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CPU List

Below is an alphabetical list of all CPU types that appear in the charts. Clicking on a specific processor name will take you to the chart it appears in and will highlight it for you. Results for [Single CPU Systems](#) and [Multiple CPU Systems](#) are listed separately.

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Single CPU Systems

Find CPU

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2679 v4 @ 2.50GHz	25236	1	9.34	\$2,702.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	24201	2	NA	NA
Intel Xeon E5-2697 v4 @ 2.30GHz	23070	3	8.15	\$2,829.22
Intel Xeon E5-2696 v3 @ 2.30GHz	22743	4	9.10	\$2,498.00*
Intel Xeon E5-2699 v3 @ 2.30GHz	22520	5	6.60	\$3,410.00
Intel Xeon E5-2690 v4 @ 2.60GHz	22402	6	10.72	\$2,090.00*
Intel Xeon E5-2698 v4 @ 2.20GHz	21957	7	6.81	\$3,226.00*
Intel Xeon E5-2696 v4 @ 2.20GHz	21954	8	NA	NA
Intel Xeon E5-2699 v4 @ 2.20GHz	21951	9	4.67	\$4,699.95
Intel Xeon E5-2698 v3 @ 2.30GHz	21670	10	8.15	\$2,660.00*
Intel Xeon E5-2697 v3 @ 2.60GHz	21652	11	10.29	\$2,105.00
Intel Xeon E5-2695 v3 @ 2.30GHz	20742	12	8.43	\$2,460.42
Intel Xeon E5-2687W v4 @ 3.00GHz	20458	13	NA	NA
Intel Xeon E5-2680 v4 @ 2.40GHz	20078	14	NA	NA
Intel Xeon E5-2695 v4 @ 2.10GHz	20043	15	7.89	\$2,538.86
Intel Core i7-6950X @ 3.00GHz	19996	16	12.16	\$1,644.71
Intel Xeon E5-2686 v3 @ 2.00GHz	19974	17	NA	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	19708	18	NA	NA
Intel Xeon E5-2690 v3 @ 2.60GHz	19602	19	10.27	\$1,909.00
Intel Xeon E5-2680 v3 @ 2.50GHz	18833	20	12.56	\$1,500.00
Intel Xeon E5-2660 v4 @ 2.00GHz	18816	21	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18417	22	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17812	23	8.97	\$1,984.99*
Intel Xeon E5-2676 v3 @ 2.40GHz	17795	25	NA	NA
Intel Xeon E5-2687W v3 @ 3.10GHz	17795	24	8.07	\$2,205.20
Intel Core i7-6900K @ 3.20GHz	17664	26	16.82	\$1,049.99
Intel Xeon E5-2697 v2 @ 2.70GHz	17356	27	6.93	\$2,505.70
Intel Xeon E5-1680 v2 @ 3.00GHz	16990	28	NA	NA
Intel Xeon E5-2673 v3 @ 2.40GHz	16921	29	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-1680 v3 @ 3.20GHz	16763	30	NA	NA
Intel Xeon E5-1680 v4 @ 3.40GHz	16684	31	NA	NA
Intel Xeon E5-2696 v2 @ 2.50GHz	16681	32	NA	NA
Intel Xeon E5-2678 v3 @ 2.50GHz	16618	33	NA	NA
Intel Xeon E5-2687W v2 @ 3.40GHz	16603	34	7.34	\$2,260.79
Intel Xeon E5-2670 v3 @ 2.30GHz	16549	35	9.77	\$1,693.88
Intel Xeon E5-2690 v2 @ 3.00GHz	16546	36	6.13	\$2,697.01
Intel Xeon E5-2667 v2 @ 3.30GHz	16415	37	7.63	\$2,151.70*
Intel Xeon E5-2680 v2 @ 2.80GHz	16341	38	11.64	\$1,403.99
Intel Xeon E5-2673 v2 @ 3.30GHz	16320	39	NA	NA
Intel Xeon E5-2660 v3 @ 2.60GHz	16161	40	12.43	\$1,300.00
Intel Xeon E5-2667 v3 @ 3.20GHz	16125	41	7.29	\$2,210.70*
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	42	NA	NA
Intel Xeon E5-2650 v4 @ 2.20GHz	15994	43	NA	NA
Intel Core i7-5960X @ 3.00GHz	15971	44	14.58	\$1,095.52
Intel Xeon E5-2695 v2 @ 2.40GHz	15808	45	6.46	\$2,448.49*
Intel Xeon E5-2658 v3 @ 2.20GHz	15700	46	NA	NA
Intel Xeon E5-1660 v4 @ 3.20GHz	15588	47	NA	NA
Intel Xeon E5-2640 v4 @ 2.40GHz	15495	48	NA	NA
Intel Xeon E5-2675 v3 @ 1.80GHz	15443	49	NA	NA
Intel Xeon E5-2650 v3 @ 2.30GHz	15012	50	15.97	\$940.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2670 v2 @ 2.50GHz	14975	51	8.52	\$1,758.07
Intel Core i7-6850K @ 3.60GHz	14498	52	24.25	\$597.80
Intel Xeon E5-2687W @ 3.10GHz	14416	53	11.37	\$1,268.08
Intel Xeon E5-1650 v4 @ 3.60GHz	14361	54	NA	NA
Intel Xeon E5-2630 v4 @ 2.20GHz	14356	55	NA	NA
Intel Xeon E5-1660 v3 @ 3.00GHz	14280	56	11.90	\$1,199.69*
Intel Xeon E5-2690 @ 2.90GHz	14245	57	33.68	\$423.01
Intel Xeon E5-2685 v3 @ 2.60GHz	14154	58	NA	NA
Intel Xeon E5-2640 v3 @ 2.60GHz	14094	59	16.58	\$850.00
Intel Xeon E5-2643 v4 @ 3.40GHz	14031	60	NA	NA
Intel Core i7-4960X @ 3.60GHz	13902	61	22.98	\$605.06
Intel Xeon E5-2658 v2 @ 2.40GHz	13875	62	NA	NA
Intel Xeon E5-2689 @ 2.60GHz	13869	63	NA	NA
Intel Xeon E5-2643 v3 @ 3.40GHz	13852	64	8.61	\$1,609.00*
Intel Xeon E5-2663 v3 @ 2.80GHz	13802	65	NA	NA
Intel Xeon E5-1660 v2 @ 3.70GHz	13735	66	7.59	\$1,808.95*
Intel Core i7-5930K @ 3.50GHz	13638	67	23.51	\$579.99
Intel Core i7-6800K @ 3.40GHz	13598	68	32.00	\$424.96
Intel Xeon E5-1650 v3 @ 3.50GHz	13524	69	20.52	\$659.19
Intel Xeon D-1587 @ 1.70GHz	13489	70	NA	NA
Intel Xeon E5-2660 v2 @ 2.20GHz	13354	71	13.20	\$1,011.59
Intel Xeon E5-2650L v3 @ 1.80GHz	13132	72	NA	NA
Intel Xeon E5-2650 v2 @ 2.60GHz	13089	73	11.09	\$1,179.94
Intel Core i7-4930K @ 3.40GHz	13062	74	19.83	\$658.76
Intel Core i7-5820K @ 3.30GHz	12985	75	33.30	\$389.99
Intel Xeon E5-2680 @ 2.70GHz	12976	76	50.11	\$258.95
Intel Xeon E5-2628L v3 @ 2.00GHz	12844	77	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2630 v3 @ 2.40GHz	12809	78	20.17	\$635.00
Intel Core i7-7700K @ 4.20GHz	12800	79	36.68	\$349.00*
Intel Core i7-3960X @ 3.30GHz	12732	80	11.71	\$1,087.38
Intel Core i7-3970X @ 3.50GHz	12651	81	16.43	\$769.99*
Intel Xeon E5-1660 @ 3.30GHz	12587	82	32.69	\$385.00
Intel Xeon E5-1650 v2 @ 3.50GHz	12542	83	13.73	\$913.79*
Intel Xeon E5-2670 @ 2.60GHz	12411	84	63.32	\$196.00
Intel Xeon E5-2648L v3 @ 1.80GHz	12332	85	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	12084	86	83.52	\$144.69
Intel Core i7-3930K @ 3.20GHz	12030	87	22.70	\$529.99
Intel Xeon E5-4650 @ 2.70GHz	11960	88	9.97	\$1,200.00
Intel Xeon E5-1650 @ 3.20GHz	11778	89	87.25	\$135.00
Intel Xeon E5-2643 v2 @ 3.50GHz	11735	90	6.99	\$1,679.69
Intel Xeon E5-2629 v3 @ 2.40GHz	11446	91	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11358	92	88.29	\$128.65
Intel Xeon E5-2620 v4 @ 2.10GHz	11334	93	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11333	94	NA	NA
Intel Xeon E5-2630L v3 @ 1.80GHz	11201	95	NA	NA
Intel Core i7-4790K @ 4.00GHz	11185	96	30.16	\$370.85
Intel Xeon E5-2651 v2 @ 1.80GHz	11176	97	NA	NA
Intel Xeon E3-1285L v4 @ 3.40GHz	11170	98	NA	NA
Intel Xeon E5-2470 @ 2.30GHz	11149	99	7.53	\$1,479.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-6700K @ 4.00GHz	11087	100	31.68	\$349.99
Intel Core i7-5775C @ 3.30GHz	11036	101	30.00	\$367.89
Intel Xeon E3-1575M v5 @ 3.00GHz	10987	102	NA	NA
Intel Core i7-5950HQ @ 2.90GHz	10892	103	NA	NA
Intel Core i7-5775R @ 3.30GHz	10868	104	NA	NA
Intel Xeon D-1540 @ 2.00GHz	10573	105	NA	NA
Intel Xeon E3-1280 v5 @ 3.70GHz	10502	106	NA	NA
Intel Xeon E3-1545M v5 @ 2.90GHz	10489	107	NA	NA
Intel Xeon E5-2630 v2 @ 2.60GHz	10440	108	16.45	\$634.80
Intel Xeon E5-2650 @ 2.00GHz	10425	109	69.90	\$149.15
Intel Core i7-3740 @ 3.40GHz	10408	110	NA	NA
Intel Xeon E3-1240 v5 @ 3.50GHz	10390	111	NA	NA
Intel Xeon E5-2667 @ 2.90GHz	10380	112	4.94	\$2,102.00
Intel Xeon E3-1245 v5 @ 3.50GHz	10350	113	NA	NA
Intel Xeon E3-1285L v3 @ 3.10GHz	10305	114	NA	NA
Intel Xeon E5-2637 v3 @ 3.50GHz	10281	115	13.78	\$745.95
AMD FX-9590 Eight-Core	10268	116	52.66	\$194.99
Intel Xeon E3-1275 v5 @ 3.60GHz	10254	117	NA	NA
Intel Xeon E3-1285 v3 @ 3.60GHz	10252	118	NA	NA
Intel Xeon E3-1276 v3 @ 3.60GHz	10251	119	28.48	\$359.99
Intel Xeon E5-1630 v3 @ 3.70GHz	10200	120	24.64	\$414.00
Intel Xeon E5-1630 v4 @ 3.70GHz	10197	121	NA	NA
Intel Xeon E5-2450 @ 2.10GHz	10186	122	20.23	\$503.50*
Intel Core i7-4770K @ 3.50GHz	10118	123	25.36	\$399.00
Intel Xeon E3-1270 v5 @ 3.60GHz	10107	124	28.08	\$359.95
AMD Opteron 6380	10082	125	9.07	\$1,110.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1281 v3 @ 3.70GHz	10081	126	14.88	\$677.50
Intel Core i7-7700 @ 3.60GHz	10070	127	NA	NA
Intel Xeon E3-1260L v5 @ 2.90GHz	10067	128	NA	NA
Intel Core i7-4980HQ @ 2.80GHz	10062	129	NA	NA
Intel Xeon E3-1246 v3 @ 3.50GHz	10040	130	34.62	\$289.99
Intel Xeon E3-1241 v3 @ 3.50GHz	10028	131	34.82	\$287.99
Intel Core i7-6700 @ 3.40GHz	10022	132	33.98	\$294.99
Intel Xeon E5-1620 v4 @ 3.50GHz	10010	133	NA	NA
Intel Core i7-4790 @ 3.60GHz	10000	134	31.89	\$313.60

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