

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

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i9-9980XE @ 3.00GHz	28940	1	14.48	\$1,999.00
Intel Xeon Platinum 8173M @ 2.00GHz	28860	2	NA	NA
Intel Xeon Platinum 8168 @ 2.70GHz	28683	3	4.87	\$5,890.00*
Intel Xeon Platinum 8175M @ 2.50GHz	28103	4	NA	NA
Intel Core i9-7980XE @ 2.60GHz	27891	5	13.82	\$2,018.10
Intel Xeon Gold 6154 @ 3.00GHz	27722	6	7.22	\$3,839.78*
Intel Core i9-9940X @ 3.30GHz	27678	7	19.77	\$1,399.99
Intel Xeon Gold 6148 @ 2.40GHz	26660	8	9.08	\$2,935.00*
Intel Xeon Platinum 8124M @ 3.00GHz	26652	9	NA	NA
Intel Core i9-9920X @ 3.50GHz	25987	10	20.93	\$1,241.64
AMD Ryzen Threadripper 2950X	25735	11	29.58	\$869.99
Intel Core i9-7960X @ 2.80GHz	25575	12	18.27	\$1,399.99
Intel Xeon Gold 6138 @ 2.00GHz	25416	13	9.56	\$2,659.99
Intel Core i9-7940X @ 3.10GHz	25384	14	18.96	\$1,338.81
Intel Xeon E5-2679 v4 @ 2.50GHz	25266	15	9.35	\$2,702.00*
Intel Xeon Gold 6146 @ 3.20GHz	25142	16	6.87	\$3,658.34*
Intel Xeon W-2195 @ 2.30GHz	24983	17	8.93	\$2,797.72
AMD Ryzen Threadripper 2990WX	24134	18	14.68	\$1,643.99
Intel Xeon Gold 6140 @ 2.30GHz	23964	19	9.25	\$2,589.99*
Intel Xeon Gold 6132 @ 2.60GHz	23907	20	10.88	\$2,198.00*
Intel Core i9-7920X @ 2.90GHz	23298	21	25.89	\$899.99
Intel Xeon E5-2699 v4 @ 2.20GHz	23200	22	5.12	\$4,528.21
Intel Core i9-9900X @ 3.50GHz	22747	23	22.75	\$999.99
Intel Xeon E5-2697A v4 @ 2.60GHz	22462	24	NA	NA
Intel Xeon E5-2696 v3 @ 2.30GHz	22427	25	8.98	\$2,498.00*
Intel Xeon E5-2699 v3 @ 2.30GHz	22375	26	4.97	\$4,505.95*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i9-9820X @ 3.30GHz	22106	27	25.12	\$879.99
AMD Ryzen Threadripper 2920X	22002	28	33.88	\$649.42
AMD EPYC 7371	21976	29	NA	NA
AMD Ryzen Threadripper 1950X	21904	30	37.77	\$579.99
Intel Xeon W-2155 @ 3.30GHz	21876	31	14.29	\$1,530.39*
Intel Core i9-7900X @ 3.30GHz	21875	32	21.59	\$1,013.38
Intel Xeon E5-2698 v4 @ 2.20GHz	21836	33	6.77	\$3,226.00*
Intel Xeon W-2150B @ 3.00GHz	21543	34	NA	NA
Intel Xeon E5-2697 v4 @ 2.30GHz	21525	35	7.05	\$3,055.00
Intel Xeon E5-2673 v4 @ 2.30GHz	21474	36	NA	NA
Intel Xeon E5-2697 v3 @ 2.60GHz	21368	37	29.07	\$735.00
Intel Xeon E5-2690 v4 @ 2.60GHz	21326	38	9.07	\$2,350.88*
Intel Xeon E5-2698 v3 @ 2.30GHz	21133	39	6.17	\$3,424.02*
Intel Xeon E5-2696 v4 @ 2.20GHz	21088	40	7.01	\$3,009.95*
Intel Xeon Gold 6136 @ 3.00GHz	21079	41	7.87	\$2,677.82*
Intel Xeon E5-2682 v4 @ 2.50GHz	21066	42	NA	NA
Intel Xeon E5-2695 v4 @ 2.10GHz	20258	43	7.70	\$2,631.87
Intel Core i9-9900K @ 3.60GHz	20168	44	39.55	\$509.99
Intel Core i7-7900X @ 3.30GHz	20153	45	NA	NA
Intel Xeon E5-2695 v3 @ 2.30GHz	20081	46	9.99	\$2,009.99*
Intel Core i7-6950X @ 3.00GHz	19955	47	14.81	\$1,347.65
Intel Xeon E5-2689 v4 @ 3.10GHz	19931	48	NA	NA
Intel Xeon E5-2680 v4 @ 2.40GHz	19886	49	11.28	\$1,762.90*
Intel Xeon E5-2687W v4 @ 3.00GHz	19860	50	8.61	\$2,307.31*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-9800X @ 3.80GHz	19852	51	22.67	\$875.90
Intel Xeon E5-2686 v4 @ 2.30GHz	19801	52	NA	NA
Intel Xeon Gold 6126 @ 2.60GHz	19711	53	10.42	\$1,891.07
Intel Xeon Gold 6144 @ 3.50GHz	19654	54	6.72	\$2,925.00*
Intel Xeon W-2145 @ 3.70GHz	19633	55	15.89	\$1,235.62
AMD EPYC 7401P	19555	56	17.20	\$1,136.82
AMD Ryzen Threadripper 1920X	19389	57	44.52	\$435.56
Intel Xeon Gold 6130 @ 2.10GHz	19277	58	9.89	\$1,949.99
Intel Xeon E5-2690 v3 @ 2.60GHz	19275	59	8.70	\$2,215.86*
Intel Xeon E5-2686 v3 @ 2.00GHz	19255	60	NA	NA
Intel Xeon E5-2683 v4 @ 2.10GHz	19047	61	9.12	\$2,087.48*
AMD Ryzen Threadripper 2970WX	18950	62	16.92	\$1,119.99
AMD EPYC 7501	18942	63	4.34	\$4,365.44
Intel Xeon D-2183IT @ 2.20GHz	18627	64	10.56	\$1,764.00*
Intel Xeon E5-2680 v3 @ 2.50GHz	18585	65	18.73	\$992.31
Intel Xeon W-2140B @ 3.20GHz	18573	66	NA	NA
Intel Core i7-7820X @ 3.60GHz	18546	67	21.77	\$851.80
AMD EPYC 7551	18483	68	3.96	\$4,663.16
AMD EPYC 7551P	18359	69	6.33	\$2,898.43
AMD Ryzen Threadripper 2990X	18311	70	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18238	71	NA	NA
Intel Xeon Gold 5120T @ 2.20GHz	18145	72	10.51	\$1,727.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon Gold 6134 @ 3.20GHz	18083	73	7.94	\$2,279.00
Intel Xeon E5-2687W v3 @ 3.10GHz	17730	74	5.89	\$3,008.95
Intel Core i7-6900K @ 3.20GHz	17688	75	18.56	\$952.83
Intel Xeon E5-2676 v3 @ 2.40GHz	17670	76	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17405	77	8.77	\$1,984.99*
Intel Xeon E5-2697 v2 @ 2.70GHz	17349	78	8.78	\$1,974.91
AMD Ryzen 7 PRO 2700X	17276	79	NA	NA
Intel Core i7-9700K @ 3.60GHz	17245	80	42.06	\$409.99
Intel Xeon E5-1680 v4 @ 3.40GHz	17093	81	NA	NA
Intel Xeon E5-2660 v4 @ 2.00GHz	17069	82	9.70	\$1,760.00*
AMD Ryzen 7 2700X	16982	83	54.81	\$309.87
Intel Xeon E5-2678 v3 @ 2.50GHz	16905	84	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	16754	85	NA	NA
Intel Core i7-8086K @ 4.00GHz	16696	86	30.19	\$552.96*
Intel Xeon E5-2673 v3 @ 2.40GHz	16664	87	23.81	\$700.00*
Intel Xeon E5-2696 v2 @ 2.50GHz	16620	88	NA	NA
Intel Xeon E5-2687W v2 @ 3.40GHz	16474	89	7.82	\$2,105.59*
Intel Xeon E5-2667 v4 @ 3.20GHz	16447	90	7.46	\$2,205.57
Intel Xeon E5-1680 v3 @ 3.20GHz	16431	91	NA	NA
Intel Xeon E5-2690 v2 @ 3.00GHz	16428	92	40.17	\$409.00
Intel Xeon Gold 5118 @ 2.30GHz	16389	93	11.95	\$1,371.05*
Intel Xeon W-2135 @ 3.70GHz	16326	94	15.87	\$1,029.02
Intel Xeon E5-2673 v2 @ 3.30GHz	16320	95	NA	NA
Intel Xeon Gold 5120 @ 2.20GHz	16308	96	10.45	\$1,561.00*
Intel Xeon E5-2670 v3 @ 2.30GHz	16303	97	10.37	\$1,572.00*
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	98	NA	NA
Intel Xeon E5-1680 v2 @ 3.00GHz	16243	99	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2667 v2 @ 3.30GHz	16240	100	21.27	\$763.56
Intel Xeon E5-1660 v4 @ 3.20GHz	16192	101	13.17	\$1,229.52*
Intel Xeon E5-2660 v3 @ 2.60GHz	16184	102	12.21	\$1,325.00
Intel Xeon E5-2667 v3 @ 3.20GHz	16119	103	6.09	\$2,649.00
Intel Xeon E-2136 @ 3.30GHz	16087	104	56.64	\$284.00*
Intel Xeon E-2146G @ 3.50GHz	16068	105	51.67	\$311.00*
AMD Ryzen Threadripper 1900X	16020	106	50.64	\$316.38
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	107	NA	NA
Intel Core i7-8700K @ 3.70GHz	15967	108	39.93	\$399.87
Intel Core i7-5960X @ 3.00GHz	15950	109	20.71	\$769.99
Intel Xeon E5-2680 v2 @ 2.80GHz	15914	110	82.04	\$193.99
AMD Ryzen 7 PRO 2700	15897	111	NA	NA
Intel Xeon E5-4657L v2 @ 2.40GHz	15896	112	5.30	\$3,000.00*
Intel Xeon E5-2650 v4 @ 2.20GHz	15852	113	12.39	\$1,279.07*
AMD EPYC 7351P	15820	114	18.86	\$838.80
Intel Xeon E5-2695 v2 @ 2.40GHz	15792	115	8.87	\$1,779.95*
Intel Xeon E5-4660 v3 @ 2.10GHz	15556	116	3.24	\$4,800.00*
Intel Xeon E5-4627 v4 @ 2.60GHz	15516	117	6.97	\$2,225.00*
Intel Xeon E-2186G @ 3.80GHz	15406	118	34.24	\$450.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 7 1800X	15403	119	55.97	\$275.21
AMD Ryzen 7 PRO 1700X	15349	120	NA	NA
Intel Xeon E5-2640 v4 @ 2.40GHz	15329	121	16.40	\$934.59*
Intel Xeon Silver 4116 @ 2.10GHz	15320	122	13.67	\$1,121.16*
Intel Xeon Silver 4123 @ 3.00GHz	15185	123	NA	NA
Intel Xeon E-2176G @ 3.70GHz	15177	124	41.93	\$362.00*
Intel Core i7-8700 @ 3.20GHz	15137	125	39.41	\$384.12
Intel Xeon E5-2675 v3 @ 1.80GHz	15073	126	NA	NA
Intel Xeon Gold 6128 @ 3.40GHz	15022	127	8.15	\$1,842.27*
Intel Xeon E5-2685 v3 @ 2.60GHz	15004	128	NA	NA
AMD Ryzen 7 2700	14998	129	65.21	\$229.99
Intel Xeon E5-2670 v2 @ 2.50GHz	14966	130	85.04	\$175.99
Intel Xeon E5-2650 v3 @ 2.30GHz	14848	131	41.25	\$359.99*
Intel Xeon E5-2649 v3 @ 2.30GHz	14677	132	NA	NA
AMD Ryzen 7 1700X	14671	133	73.36	\$199.99
AMD Ryzen 5 PRO 2600	14645	134	NA	NA
Intel Xeon E-2186M @ 2.90GHz	14609	135	23.45	\$623.00*
Intel Core i7-7800X @ 3.50GHz	14598	136	42.94	\$339.99
Intel Xeon E5-2618L v4 @ 2.20GHz	14592	137	18.73	\$779.00*
Intel Xeon E5-1660 v3 @ 3.00GHz	14565	138	9.01	\$1,616.49*
Intel Xeon E5-4627 v3 @ 2.60GHz	14489	139	6.04	\$2,400.00*
Intel Xeon D-1567 @ 2.10GHz	14482	140	NA	NA
Intel Core i7-8700B @ 3.20GHz	14444	141	47.67	\$303.00*
Intel Core i9-8950HK @ 2.90GHz	14398	142	24.70	\$583.00*
Intel Xeon E5-2687W @ 3.10GHz	14381	143	34.66	\$415.00*
AMD Ryzen 5 2600X	14369	144	71.85	\$199.99
Intel Core i7-6850K @ 3.60GHz	14361	145	26.11	\$549.99
Intel Xeon Silver 4114 @ 2.20GHz	14304	146	19.76	\$723.99
Intel Xeon E5-1650 v4 @ 3.60GHz	14234	147	22.60	\$629.99*
AMD Ryzen 7 PRO 1700	14171	148	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2658 v2 @ 2.40GHz	14128	149	NA	NA
Intel Xeon W-2133 @ 3.60GHz	14097	150	22.85	\$617.00*
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	151	9.42	\$1,496.00*
Intel Xeon E5-2663 v3 @ 2.80GHz	13994	152	NA	NA
Intel Xeon D-1587 @ 1.70GHz	13950	153	NA	NA
Intel Xeon E-2176M @ 2.70GHz	13931	154	30.96	\$450.00*
Intel Xeon E5-2640 v3 @ 2.60GHz	13924	155	11.71	\$1,188.74*
Intel Xeon E5-2630 v4 @ 2.20GHz	13896	156	21.06	\$659.99
Intel Xeon E5-2643 v3 @ 3.40GHz	13844	157	5.52	\$2,509.95
Intel Xeon D-2143IT @ 2.20GHz	13816	158	24.41	\$566.00*
Intel Core i7-4960X @ 3.60GHz	13800	159	17.92	\$769.99
Intel Xeon E5-1660 v2 @ 3.70GHz	13758	160	7.61	\$1,808.95*
AMD Ryzen 7 1700	13744	161	80.86	\$169.99
Intel Xeon E5-2648L v4 @ 1.80GHz	13654	162	NA	NA
Intel Xeon E5-2690 @ 2.90GHz	13643	163	85.81	\$159.00
Intel Core i7-5930K @ 3.50GHz	13631	164	27.32	\$498.98

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Intel Xeon E5-4669 v4 @ 2.20GHz	13626	165	NA	NA
Intel Xeon E5-1650 v3 @ 3.50GHz	13618	167	20.18	\$674.99
Intel Xeon E5-2643 v4 @ 3.40GHz	13618	166	8.14	\$1,672.22
Intel Core i7-6800K @ 3.40GHz	13588	168	32.35	\$419.99
AMD Ryzen 5 2600	13529	169	90.20	\$149.99
Intel Xeon E5-2650L v3 @ 1.80GHz	13513	170	9.66	\$1,399.00
Intel Core i5-9600K @ 3.70GHz	13433	171	46.40	\$289.49
Intel Xeon E5-2689 @ 2.60GHz	13427	172	NA	NA
Intel Xeon E5-2660 v2 @ 2.20GHz	13274	173	61.81	\$214.76
AMD Ryzen 5 1600X	13226	174	83.73	\$157.97
Intel Core i7-8850H @ 2.60GHz	13149	175	33.29	\$395.00*
Intel Xeon E5-2650 v2 @ 2.60GHz	13145	176	52.79	\$249.00
Intel Xeon E5-2628L v4 @ 1.90GHz	13101	177	9.61	\$1,364.00*
Intel Core i7-4930K @ 3.40GHz	13006	178	32.68	\$397.99
Intel Core i7-5820K @ 3.30GHz	12986	179	43.29	\$299.99
Intel Xeon E5-2643 v2 @ 3.50GHz	12957	180	78.37	\$165.34
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	181	NA	NA
Intel Xeon D-2141I @ 2.20GHz	12836	182	23.13	\$555.00*
Intel Xeon E5-2470 v2 @ 2.40GHz	12836	183	25.22	\$509.00
Intel Xeon E5-2630 v3 @ 2.40GHz	12799	184	26.39	\$485.00
Intel Core i5-8600K @ 3.60GHz	12764	185	44.80	\$284.89*
Intel Xeon E5-1650 v2 @ 3.50GHz	12723	186	105.36	\$120.76
Intel Xeon E5-4640 v3 @ 1.90GHz	12703	187	NA	NA
Intel Core i7-8700T @ 2.40GHz	12689	188	24.93	\$509.00
Intel Core i7-3970X @ 3.50GHz	12676	189	15.65	\$809.99
Intel Core i5-8600 @ 3.10GHz	12658	190	50.84	\$248.99*
Intel Core i5-8500B @ 3.00GHz	12639	191	65.83	\$192.00*
Intel Core i7-3960X @ 3.30GHz	12602	192	15.75	\$799.99
Intel Xeon E5-2680 @ 2.70GHz	12594	193	112.61	\$111.84
Intel Core i7-8750H @ 2.20GHz	12460	194	31.55	\$395.00*
Intel Xeon W-2125 @ 4.00GHz	12377	195	24.60	\$503.10*
Intel Core i5-9400F @ 2.90GHz	12374	196	70.31	\$175.99
Intel Xeon E5-1660 @ 3.30GHz	12361	197	10.08	\$1,226.66*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-4655 v3 @ 2.90GHz	12292	198	2.66	\$4,616.00*
AMD Ryzen 5 1600	12269	199	82.07	\$149.49
Intel Core i7-7740X @ 4.30GHz	12268	200	35.15	\$348.99
AMD Ryzen 5 PRO 1600	12213	201	NA	NA
Intel Core i7-8559U @ 2.70GHz	12206	202	NA	NA
Intel Xeon E-2174G @ 3.80GHz	12188	203	29.92	\$407.38*
Intel Xeon E5-2618L v3 @ 2.30GHz	12186	204	NA	NA
Intel Xeon E5-2670 @ 2.60GHz	12130	205	127.55	\$95.10
Intel Core i7-7700K @ 4.20GHz	12036	206	31.76	\$379.00
Intel Xeon Silver 4110 @ 2.10GHz	12020	207	22.14	\$542.99
Intel Core i7-3930K @ 3.20GHz	11981	208	30.03	\$398.98
Intel Xeon E5-2628L v3 @ 2.00GHz	11965	209	NA	NA
Intel Xeon E3-1285 v6 @ 4.10GHz	11955	210	26.57	\$450.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-8500 @ 3.00GHz	11876	211	54.23	\$219.00
Intel Xeon E5-4650 @ 2.70GHz	11860	212	124.21	\$95.49*
Intel Xeon E5-4650L @ 2.60GHz	11821	213	1.36	\$8,684.50*
Intel Xeon E5-1650 @ 3.20GHz	11721	214	66.98	\$175.00
Intel Core i5-8400 @ 2.80GHz	11620	215	62.81	\$184.99
Intel Xeon E5-2665 @ 2.40GHz	11566	216	77.97	\$148.34*
Intel Xeon E5-2648L v3 @ 1.80GHz	11392	217	7.30	\$1,560.86*
Intel Xeon E3-1280 v6 @ 3.90GHz	11371	218	20.23	\$562.00*
Intel Xeon E5-2620 v4 @ 2.10GHz	11367	219	25.70	\$442.22
AMD EPYC 7251 8-Core	11344	220	22.47	\$504.99
Intel Xeon E5-2651 v2 @ 1.80GHz	11275	221	NA	NA
Intel Core i7-4790K @ 4.00GHz	11175	222	27.94	\$399.99
Intel Xeon E3-1270 v6 @ 3.80GHz	11135	223	31.82	\$349.99
Intel Xeon E3-1275 v6 @ 3.80GHz	11110	224	28.34	\$392.00
Intel Core i7-6700K @ 4.00GHz	11108	225	35.26	\$315.00
Intel Xeon Gold 5122 @ 3.60GHz	11104	226	8.54	\$1,299.99
Intel Xeon E5-2660 @ 2.20GHz	11098	227	108.81	\$102.00
Intel Xeon E5-4648 v3 @ 1.70GHz	11097	228	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11069	229	NA	NA
Intel Xeon E3-1285L v4 @ 3.40GHz	11048	230	NA	NA
Intel Core i7-8809G @ 3.10GHz	11023	231	NA	NA
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	232	NA	NA
Intel Core i5-8259U @ 2.30GHz	10989	233	16.36	\$671.63
Intel Core i7-5775C @ 3.30GHz	10985	234	24.41	\$449.99
Intel Xeon Silver 4109T @ 2.00GHz	10946	235	21.85	\$501.00*
Intel Core i7-5950HQ @ 2.90GHz	10932	236	NA	NA
Intel Core i5-8600T @ 2.30GHz	10913	237	29.18	\$373.99*
Intel Xeon Silver 4108 @ 1.80GHz	10883	238	23.79	\$457.51*
Intel Core i7-5775R @ 3.30GHz	10857	239	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10755	240	NA	NA
AMD Opteron 6386 SE	10748	241	71.66	\$149.99
Intel Xeon E3-1585 v5 @ 3.50GHz	10743	242	NA	NA
Intel Xeon W-2123 @ 3.60GHz	10734	243	28.78	\$372.93
Intel Core i7-7700 @ 3.60GHz	10733	244	33.54	\$319.99
Intel Xeon E3-1270L v4 @ 3.00GHz	10697	245	NA	NA
Intel Xeon E3-1280 v5 @ 3.70GHz	10666	246	15.46	\$690.01*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1535M v6 @ 3.10GHz	10598	247	NA	NA
Intel Xeon D-1540 @ 2.00GHz	10573	248	NA	NA
Intel Xeon E3-1245 v6 @ 3.70GHz	10553	249	32.27	\$326.98
Intel Xeon E5-4640 @ 2.40GHz	10523	250	3.85	\$2,730.00*
Intel Xeon E3-1285 v4 @ 3.50GHz	10510	251	NA	NA
Intel Core i7-8706G @ 3.10GHz	10505	252	NA	NA
Intel Xeon E5-2637 v4 @ 3.50GHz	10468	253	9.75	\$1,073.78*
Intel Xeon E3-1545M v5 @ 2.90GHz	10449	254	NA	NA
Intel Xeon E5-2667 @ 2.90GHz	10400	255	160.13	\$64.95
Intel Xeon E3-1240 v5 @ 3.50GHz	10391	256	30.42	\$341.67*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2630 v2 @ 2.60GHz	10382	257	157.49	\$65.92
Intel Xeon E-2144G @ 3.60GHz	10375	258	NA	NA
Intel Xeon E3-1285 v3 @ 3.60GHz	10359	259	NA	NA
Intel Xeon E3-1275 v5 @ 3.60GHz	10358	260	18.73	\$553.00*
Intel Xeon E3-1281 v3 @ 3.70GHz	10349	261	11.79	\$877.75*
Intel Xeon E3-1240 v6 @ 3.70GHz	10332	262	35.17	\$293.78
Intel Xeon E5-1630 v4 @ 3.70GHz	10321	263	NA	NA
Intel Xeon E-2134 @ 3.50GHz	10310	264	40.28	\$256.00*
Intel Xeon E3-1270 v5 @ 3.60GHz	10286	265	27.50	\$374.00
Intel Xeon E5-1630 v3 @ 3.70GHz	10260	266	17.16	\$597.85*
Intel Core i7-4980HQ @ 2.80GHz	10238	267	NA	NA
Intel Xeon E3-1260L v5 @ 2.90GHz	10218	268	20.85	\$490.00*
Intel Xeon E3-1585L v5 @ 3.00GHz	10198	269	22.92	\$445.00*
AMD FX-9590 Eight-Core	10197	270	63.75	\$159.95
Intel Xeon E5-2450 @ 2.10GHz	10186	271	27.61	\$369.00*
Intel Xeon E3-1245 v5 @ 3.50GHz	10182	272	29.49	\$345.31*
Intel Xeon E3-1276 v3 @ 3.60GHz	10177	273	9.49	\$1,073.00
Intel Xeon E5-2637 v3 @ 3.50GHz	10144	274	7.83	\$1,295.95*
Intel Xeon E5-2640 v2 @ 2.00GHz	10143	275	70.93	\$143.00
Intel Core i5-8400H @ 2.50GHz	10132	276	40.53	\$250.00*
AMD Ryzen 5 PRO 1500	10118	277	NA	NA
Intel Xeon E5-2650 @ 2.00GHz	10104	278	93.56	\$108.00
Intel Xeon E3-1515M v5 @ 2.80GHz	10093	279	NA	NA
Intel Xeon E3-1271 v3 @ 3.60GHz	10089	280	11.36	\$888.00*
Intel Core i7-4770K @ 3.50GHz	10086	281	38.06	\$265.00
AMD Opteron 6380	10081	282	100.83	\$99.99
AMD Ryzen 5 1500X	10081	283	69.53	\$144.99
Intel Xeon E5-2470 @ 2.30GHz	10061	284	31.77	\$316.72*
AMD Ryzen 5 PRO 2400G	10046	285	NA	NA
Intel Core i5-8500T @ 2.10GHz	10038	286	45.98	\$218.34*
Intel Xeon E5-2620 v3 @ 2.40GHz	10020	287	27.16	\$369.00
Intel Xeon E3-1241 v3 @ 3.50GHz	10015	288	12.92	\$775.00*
Intel Core i7-8705G @ 3.10GHz	10012	289	NA	NA
Intel Core i7-7820HK @ 2.90GHz	10009	290	NA	NA
Intel Core i7-6700 @ 3.40GHz	10004	291	29.87	\$334.99
Intel Core i7-4790 @ 3.60GHz	9986	292	27.92	\$357.66
Intel Xeon E3-1285L v3 @ 3.10GHz	9981	293	12.35	\$808.02
Intel Core i7-7920HQ @ 3.10GHz	9956	294	NA	NA
Intel Xeon E5-1620 v4 @ 3.50GHz	9921	295	32.43	\$305.95
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4940MX @ 3.10GHz	9908	296	13.96	\$709.95*
Intel Xeon E3-1275 v3 @ 3.50GHz	9901	297	24.69	\$400.99*
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	298	11.80	\$839.00*
Intel Xeon E3-1270 v3 @ 3.50GHz	9898	299	26.75	\$369.99*
Intel Core i7-4771 @ 3.50GHz	9870	300	32.90	\$299.99
Intel Xeon E3-1246 v3 @ 3.50GHz	9853	301	24.09	\$409.00
Intel Xeon E-2124G @ 3.40GHz	9840	302	46.20	\$213.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1505M v6 @ 3.00GHz	9840	303	NA	NA
Intel Core i7-4770R @ 3.20GHz	9822	304	NA	NA
Intel Core i7-5850EQ @ 2.70GHz	9817	305	22.57	\$435.00*
Intel Xeon E3-1230 v6 @ 3.50GHz	9811	306	37.74	\$259.99
Intel Core i7-4960HQ @ 2.60GHz	9807	307	15.74	\$623.00*
Intel Core i7-995X @ 3.60GHz	9791	308	NA	NA
AMD Opteron 6287 SE	9789	309	NA	NA
Intel Core i7-4770 @ 3.40GHz	9782	310	49.16	\$199.00
Intel Xeon E3-1230 v5 @ 3.40GHz	9779	311	23.74	\$411.99*
Intel Xeon E5-2650L v2 @ 1.70GHz	9777	312	51.62	\$189.41*
Intel Xeon E5-1620 v3 @ 3.50GHz	9766	313	61.05	\$159.99
Intel Xeon E3-1280 v3 @ 3.60GHz	9765	314	14.00	\$697.36*
Intel Xeon D-1531 @ 2.20GHz	9730	315	27.96	\$348.00*
Intel Core i7-6770HQ @ 2.60GHz	9722	316	9.70	\$1,001.88*
Intel Core i7-4820K @ 3.70GHz	9713	317	26.15	\$371.47*
Intel Xeon E3-1290 V2 @ 3.70GHz	9709	318	10.97	\$885.00*
Intel Xeon E3-1240 v3 @ 3.40GHz	9662	319	25.14	\$384.40*
Intel Xeon E3-1231 v3 @ 3.40GHz	9629	320	16.61	\$579.72
Intel Core i7-6920HQ @ 2.90GHz	9610	321	16.92	\$568.00*
Intel Xeon E3-1245 v3 @ 3.40GHz	9581	322	31.01	\$309.00
Intel Core i5-8400T @ 1.70GHz	9578	323	50.68	\$189.00
Intel Core i7-4790S @ 3.20GHz	9572	324	23.93	\$399.98
Intel Core i7-8709G @ 3.10GHz	9536	325	NA	NA
Intel Core i5-7640X @ 4.00GHz	9520	326	27.81	\$342.40
Intel Core i7-3770K @ 3.50GHz	9512	327	36.59	\$259.99
Intel Xeon E3-1286L v3 @ 3.20GHz	9495	328	12.27	\$774.00*
Intel Core i7-4930MX @ 3.00GHz	9493	329	8.66	\$1,096.00*
Intel Xeon E5-2658 @ 2.10GHz	9484	330	6.49	\$1,462.00*
Intel Xeon E5-2640 @ 2.50GHz	9477	331	273.43	\$34.66
Intel Xeon E5-2630L v3 @ 1.80GHz	9476	332	12.60	\$751.92*
Intel Core i5-8300H @ 2.30GHz	9470	333	37.88	\$250.00*
Intel Xeon E5-1620 v2 @ 3.70GHz	9469	334	135.30	\$69.99*
Intel Xeon E3-1270 V2 @ 3.50GHz	9466	335	33.54	\$282.22
Intel Core i7-5850HQ @ 2.70GHz	9459	336	21.80	\$434.00*
AMD FX-9370 Eight-Core	9450	337	52.83	\$178.89
Intel Xeon E3-1280 V2 @ 3.60GHz	9448	338	11.00	\$859.00
Intel Xeon E3-1275 V2 @ 3.50GHz	9447	340	23.93	\$394.72*
Intel Xeon E5-2637 v2 @ 3.50GHz	9447	339	15.54	\$607.99*
Intel Xeon E5-2440 v2 @ 1.90GHz	9425	341	18.48	\$509.95*
AMD Opteron 6376	9414	342	144.84	\$65.00
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	343	NA	NA
Intel Core i7-4910MQ @ 2.90GHz	9404	344	20.45	\$459.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 5 PRO 2400GE	9376	345	NA	NA
Intel Core i7-4870HQ @ 2.50GHz	9362	346	NA	NA
Intel Core i7-4770S @ 3.10GHz	9340	347	37.37	\$249.99
Intel Xeon E3-1230 v3 @ 3.30GHz	9315	348	35.60	\$261.66*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1535M v5 @ 2.90GHz	9313	349	NA	NA
Intel Core i7-7820HQ @ 2.90GHz	9312	350	24.64	\$378.00*
Intel Core i7-3770 @ 3.40GHz	9284	351	51.87	\$178.99
Intel Core i7-3940XM @ 3.00GHz	9282	352	17.22	\$539.00
AMD Ryzen 5 2400G	9277	353	61.85	\$149.99
Intel Core i7-4860HQ @ 2.40GHz	9270	354	NA	NA
Intel Core i7-7700T @ 2.90GHz	9257	355	22.63	\$409.00
Intel Core i3-8350K @ 4.00GHz	9218	356	45.85	\$201.05
Intel Xeon E3-1265L v3 @ 2.50GHz	9210	357	12.97	\$709.95
Intel Core i7-8565U @ 1.80GHz	9206	358	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9178	359	183.72	\$49.96
Intel Core i7-3920XM @ 2.90GHz	9152	360	8.35	\$1,096.00*
Intel Xeon E3-1240 V2 @ 3.40GHz	9141	361	16.93	\$539.95
Intel Xeon W3690 @ 3.47GHz	9140	362	9.14	\$1,000.00*
Intel Xeon E3-1245 V2 @ 3.40GHz	9131	363	15.03	\$607.59
Intel Core i5-7600K @ 3.80GHz	9125	364	36.36	\$250.99
Intel Core i7-6820HK @ 2.70GHz	9121	365	NA	NA
AMD Opteron 6282 SE	9116	366	70.13	\$129.99
Intel Core i7-4790T @ 2.70GHz	9082	367	25.30	\$359.00*
Intel Core i7-990X @ 3.47GHz	9075	368	25.93	\$349.99
Intel Xeon E3-1265L v4 @ 2.30GHz	9060	369	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9049	370	27.43	\$329.93*
Intel Xeon W3680 @ 3.33GHz	9041	371	11.90	\$759.95*
Intel Core i7-4850HQ @ 2.30GHz	9035	372	20.82	\$434.00*
Intel Xeon E5-4617 @ 2.90GHz	9029	373	100.44	\$89.90*
AMD FX-8370 Eight-Core	9028	374	65.91	\$136.99
Intel Core i7-6700T @ 2.80GHz	9027	375	30.09	\$300.00
AMD Ryzen 3 2300X	9011	376	NA	NA
Intel Xeon E5-2630L v2 @ 2.40GHz	9006	377	NA	NA
AMD Ryzen 7 PRO 2700U	9004	378	NA	NA
Intel Core i7-3820 @ 3.60GHz	8996	379	21.94	\$409.99
Intel Core i7-4900MQ @ 2.80GHz	8991	380	15.33	\$586.67*
Intel Xeon E5-2448L v2 @ 1.80GHz	8954	381	6.29	\$1,424.00*
Intel Core i7-4770HQ @ 2.20GHz	8948	382	NA	NA
AMD FX-8350 Eight-Core	8947	383	149.16	\$59.99
Intel Xeon E5-2623 v3 @ 3.00GHz	8937	384	22.07	\$404.99*
Intel Core i5-8305G @ 2.80GHz	8927	385	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8925	386	NA	NA
Intel Xeon X5690 @ 3.47GHz	8894	387	63.99	\$139.00
Intel Core i7-3770S @ 3.10GHz	8891	388	41.57	\$213.90
Intel Xeon E3-1275L v3 @ 2.70GHz	8891	389	NA	NA
AMD Opteron 6276	8889	390	111.13	\$79.99
Intel Xeon E5-2630 @ 2.30GHz	8860	391	75.05	\$118.05*
Intel Xeon E3-1230 V2 @ 3.30GHz	8854	392	25.15	\$352.10
Intel Xeon X5679 @ 3.20GHz	8845	393	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-8650U @ 1.90GHz	8841	394	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2430 v2 @ 2.50GHz	8833	395	88.34	\$100.00
Intel Core i7-7700HQ @ 2.80GHz	8824	396	NA	NA
Intel Core i7-3840QM @ 2.80GHz	8795	397	26.26	\$335.00*
AMD Ryzen 5 PRO 2500U	8786	398	NA	NA
Intel Core i7-6820HQ @ 2.70GHz	8771	399	NA	NA
Intel Core i7-6820EQ @ 2.80GHz	8758	400	NA	NA
Intel Core i7-980X @ 3.33GHz	8757	401	39.81	\$219.98
Intel Core i5-7600 @ 3.50GHz	8739	402	38.16	\$229.00
Intel Xeon E3-1290 @ 3.60GHz	8699	403	9.83	\$885.00*
Intel Core i7-2700K @ 3.50GHz	8696	404	44.60	\$195.00
Intel Core i7-6700TE @ 2.40GHz	8696	405	NA	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8695	406	23.06	\$377.00*
Intel Xeon E5-2620 v2 @ 2.10GHz	8688	407	197.96	\$43.89
Intel Xeon E5-2650L @ 1.80GHz	8676	408	109.83	\$79.00*
Intel Core i3-8300 @ 3.70GHz	8661	409	46.50	\$186.27*
Intel Core i7-980 @ 3.33GHz	8654	410	12.36	\$699.99
Intel Core i7-4810MQ @ 2.80GHz	8650	411	20.36	\$424.95*
Intel Xeon E5-2420 v2 @ 2.20GHz	8632	412	41.30	\$209.00*
Intel Xeon Silver 4112 @ 2.60GHz	8611	413	16.56	\$519.96*
Intel Core i7-4760HQ @ 2.10GHz	8595	414	NA	NA
Intel Core i7-4770T @ 2.50GHz	8587	415	21.47	\$399.99
Intel Xeon X5680 @ 3.33GHz	8543	416	54.67	\$156.28
AMD Ryzen 7 2800H	8498	417	NA	NA
Intel Core i7-4800MQ @ 2.70GHz	8466	418	16.60	\$509.95*
Intel Xeon E3-1280 @ 3.50GHz	8465	419	23.01	\$368.00
Intel Xeon E5-2623 v4 @ 2.60GHz	8457	420	15.40	\$549.00*
Intel Xeon E5-2643 @ 3.30GHz	8436	421	3.79	\$2,226.00*
Intel Core i7-2600K @ 3.40GHz	8432	422	44.39	\$189.99
Intel Core i7-3820QM @ 2.70GHz	8425	423	17.30	\$486.99*
Intel Core i7-970 @ 3.20GHz	8370	424	55.81	\$149.98
Intel Core i7-5700HQ @ 2.70GHz	8368	425	NA	NA
AMD Ryzen 5 1400	8364	426	61.97	\$134.99
Intel Core i7-3740QM @ 2.70GHz	8331	427	34.72	\$239.95*
Intel Xeon E3-1275 @ 3.40GHz	8328	428	27.40	\$304.00
Intel Core i7-8550U @ 1.80GHz	8313	429	NA	NA
Intel Xeon E5-2450L @ 1.80GHz	8261	430	103.28	\$79.99
Intel Core i7-5700EQ @ 2.60GHz	8239	431	NA	NA
Intel Xeon E3-1270 @ 3.40GHz	8238	432	25.99	\$317.00*
Intel Core i5-8350U @ 1.70GHz	8228	433	27.70	\$297.00*
Intel Core i7-4750HQ @ 2.00GHz	8219	434	NA	NA
Intel Xeon D-1528 @ 1.90GHz	8210	435	NA	NA
Intel Xeon X5675 @ 3.07GHz	8208	436	102.62	\$79.99
Intel Core i7-3770T @ 2.50GHz	8204	437	24.86	\$329.99*
Intel Core i5-5675C @ 3.10GHz	8191	438	20.48	\$399.99*
Intel Core i7-2600 @ 3.40GHz	8191	439	54.98	\$149.00
Intel Core i7-5675C @ 3.10GHz	8164	440	NA	NA
Intel Xeon W3670 @ 3.20GHz	8150	441	16.30	\$499.99*
Intel Xeon D-2123IT @ 2.20GHz	8140	442	38.22	\$213.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1225 v6 @ 3.30GHz	8136	443	34.63	\$234.99
Intel Core i7-6700HQ @ 2.60GHz	8133	444	21.52	\$378.00*
Intel Core i7-3720QM @ 2.60GHz	8129	445	22.65	\$359.00*
Intel Xeon E5-4620 @ 2.20GHz	8127	446	43.00	\$189.00*
Intel Core i5-8265U @ 1.60GHz	8117	447	27.33	\$297.00*
Intel Core i5-7600T @ 2.80GHz	8097	448	31.00	\$261.25
Intel Core i7-4722HQ @ 2.40GHz	8063	449	NA	NA
Intel Core i3-8100 @ 3.60GHz	8061	451	67.75	\$118.99
Intel Core i5-6600K @ 3.50GHz	8061	450	32.64	\$246.99
AMD Ryzen 3 PRO 2200G	8060	452	NA	NA
Intel Xeon D-1559 @ 1.50GHz	8055	453	NA	NA
Intel Core i5-5675R @ 3.10GHz	8054	454	NA	NA
Intel Core i5-7500 @ 3.40GHz	8026	455	34.64	\$231.68
AMD Ryzen 3 PRO 1300	8022	456	NA	NA
AMD FX-8320 Eight-Core	8019	457	86.25	\$92.98
Intel Xeon E3-1245 @ 3.30GHz	7999	458	30.77	\$260.00
Intel Core i7-4710MQ @ 2.50GHz	7998	459	29.45	\$271.57*
Intel Core i7-4720HQ @ 2.60GHz	7997	460	NA	NA
Intel Xeon E3-1240 @ 3.30GHz	7958	461	32.62	\$244.00
Intel Core i3-8300T @ 3.20GHz	7934	462	46.54	\$170.49*
AMD Ryzen 5 2400GE	7932	463	NA	NA
Intel Xeon E5-2620 @ 2.00GHz	7911	464	88.08	\$89.82
Intel Xeon X5670 @ 2.93GHz	7911	465	136.43	\$57.99
Intel Core i7-4860EQ @ 1.80GHz	7875	466	NA	NA
Intel Xeon E5-2630L @ 2.00GHz	7865	467	NA	NA
Intel Xeon E3-1220 v6 @ 3.00GHz	7859	468	36.56	\$214.99
Intel Xeon E5-2608L v3 @ 2.00GHz	7857	469	17.82	\$441.00*
Intel Xeon E3-1230 @ 3.20GHz	7850	470	43.37	\$181.00
Intel Xeon E3-1268L v3 @ 2.30GHz	7850	471	NA	NA
Intel Xeon E-2104G @ 3.20GHz	7825	472	40.54	\$193.00*
Intel Xeon E3-1225 v5 @ 3.30GHz	7820	473	29.18	\$268.04*
AMD Opteron 6328	7813	474	39.07	\$199.99
AMD FX-8370E Eight-Core	7802	475	24.38	\$320.09
Intel Core i5-4690K @ 3.50GHz	7796	476	25.40	\$306.98
Intel Xeon E3-1240L v5 @ 2.10GHz	7793	477	28.03	\$278.00*
Intel Core i5-6600 @ 3.30GHz	7772	478	29.90	\$259.94
AMD FX-8310 Eight-Core	7764	479	NA	NA
Intel Xeon E3-1220 v5 @ 3.00GHz	7740	480	30.28	\$255.66
Intel Xeon D-1537 @ 1.70GHz	7731	481	13.54	\$571.00*
Intel Core i7-4710HQ @ 2.50GHz	7730	482	NA	NA
AMD FX-8300 Eight-Core	7727	483	80.18	\$96.37
Intel Core i7-4700HQ @ 2.40GHz	7725	484	20.17	\$383.00*
Intel Core i5-7440HQ @ 2.80GHz	7703	485	NA	NA
AMD Ryzen 3 PRO 2200GE	7698	486	NA	NA
Intel Core i7-4700MQ @ 2.40GHz	7690	487	40.69	\$189.00*
Intel Xeon E3-1235 @ 3.20GHz	7680	488	31.48	\$244.00

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-8250U @ 1.60GHz	7678	489	NA	NA
AMD Opteron 6238	7673	490	127.92	\$59.99
Intel Core i5-4690 @ 3.50GHz	7671	491	38.36	\$199.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen Embedded V1605B	7667	492	NA	NA
Intel Core i5-4670K @ 3.40GHz	7635	493	31.81	\$239.99
AMD FX-8150 Eight-Core	7631	494	5.28	\$1,445.01*
Intel Core i7-4785T @ 2.20GHz	7612	495	NA	NA
Intel Xeon X5660 @ 2.80GHz	7610	496	84.28	\$90.30
Intel Xeon E3-1265L V2 @ 2.50GHz	7599	497	53.36	\$142.42*
Intel Core i7-3630QM @ 2.40GHz	7585	498	31.74	\$239.00*
AMD FX-8320E Eight-Core	7545	499	82.73	\$91.21
Intel Xeon E3-1226 v3 @ 3.30GHz	7538	500	13.39	\$563.00
AMD Ryzen Embedded V1807B	7529	501	NA	NA
Intel Xeon E3-1240L v3 @ 2.00GHz	7513	502	NA	NA
Intel Core i7-4712HQ @ 2.30GHz	7509	503	NA	NA
AMD Opteron 6366 HE	7503	504	37.52	\$199.99
AMD Ryzen 3 1300X	7497	505	59.99	\$124.99
Intel Core i3-8100T @ 3.10GHz	7483	506	53.84	\$139.00*
Intel Core i7-3610QM @ 2.30GHz	7461	507	18.66	\$399.99*
Intel Core i5-4670 @ 3.40GHz	7454	508	46.89	\$159.00
Intel Core i5-4690S @ 3.20GHz	7444	509	27.42	\$271.51*
Intel Xeon W-2104 @ 3.20GHz	7439	510	29.17	\$255.00*
Intel Core i5-5575R @ 2.80GHz	7434	511	NA	NA
Intel Core i7-4702HQ @ 2.20GHz	7430	513	NA	NA
Intel Xeon E5-1410 v2 @ 2.80GHz	7430	512	NA	NA
Intel Xeon E5-2648L @ 1.80GHz	7426	514	NA	NA
Intel Core i5-4670R @ 3.00GHz	7419	515	26.88	\$276.00*
Intel Core i5-4670K CPT @ 3.40GHz	7411	516	NA	NA
Intel Xeon X5650 @ 2.67GHz	7403	517	291.12	\$25.43
Intel Core i7-3615QM @ 2.30GHz	7385	518	NA	NA
Intel Core i7-3615QE @ 2.30GHz	7340	519	NA	NA
Intel Core i5-7400 @ 3.00GHz	7334	520	35.09	\$209.00
Intel Core i5-6600T @ 2.70GHz	7326	521	41.87	\$174.99
Intel Core i5-4670S @ 3.10GHz	7322	522	34.38	\$213.00*
AMD Ryzen 3 2200G	7321	523	77.08	\$94.99
AMD Ryzen 5 2500U	7318	524	NA	NA
Intel Core i5-4590 @ 3.30GHz	7314	525	49.09	\$149.00
Intel Xeon E5-1410 @ 2.80GHz	7312	526	NA	NA
Intel Core i7-4765T @ 2.00GHz	7309	527	18.27	\$399.99*
AMD Ryzen 7 2700U	7293	528	NA	NA
Intel Xeon E5-2430L @ 2.00GHz	7269	529	69.90	\$103.99*
Intel Xeon E5-1607 v4 @ 3.10GHz	7249	530	NA	NA
Intel Core i5-6500 @ 3.20GHz	7244	531	30.91	\$234.38
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	532	25.12	\$287.90*
Intel Xeon E3-1225 v3 @ 3.20GHz	7220	533	15.75	\$458.34*
Intel Core i7-2960XM @ 2.70GHz	7216	534	17.60	\$409.95*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4712MQ @ 2.30GHz	7205	535	NA	NA
Intel Core i7-4700EQ @ 2.40GHz	7180	536	NA	NA
Intel Core i5-3570K @ 3.40GHz	7173	537	51.61	\$139.00
AMD Ryzen 3 PRO 2300U	7148	538	NA	NA
Intel Core i5-4570 @ 3.20GHz	7137	539	40.79	\$174.99
Intel Core i7-4702MQ @ 2.20GHz	7127	540	21.15	\$337.04
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-3570 @ 3.40GHz	7117	541	55.61	\$128.00
Intel Xeon E3-1220 v3 @ 3.10GHz	7113	542	17.35	\$409.95
Intel Core i5-6402P @ 2.80GHz	7100	543	37.37	\$189.99*
Intel Xeon X5687 @ 3.60GHz	7081	544	64.97	\$109.00
Intel Core i7-2600S @ 2.80GHz	7078	545	35.40	\$199.99
AMD Ryzen 3 PRO 1200	7069	546	NA	NA
Intel Core i5-4590S @ 3.00GHz	7053	547	35.99	\$195.99
Intel Xeon E5-2420 @ 1.90GHz	7045	548	18.06	\$390.02*
Intel Core i7-2920XM @ 2.50GHz	7039	549	15.98	\$440.44
Intel Xeon W-2102 @ 2.90GHz	7030	550	20.80	\$337.99*
Intel Core i5-7500T @ 2.70GHz	7006	551	26.45	\$264.91
AMD FX-6350 Six-Core	6999	552	53.85	\$129.99
Intel Core i7-2860QM @ 2.50GHz	6990	553	11.65	\$599.99*
Intel Xeon X5677 @ 3.47GHz	6982	554	66.50	\$105.00*
Intel Xeon D-1521 @ 2.40GHz	6980	555	NA	NA
Intel Core i5-3550 @ 3.30GHz	6958	556	20.47	\$339.95*
Intel Xeon E5-1607 v3 @ 3.10GHz	6947	557	NA	NA
Intel Core i7-3632QM @ 2.20GHz	6936	558	29.14	\$238.05*
Intel Xeon E5649 @ 2.53GHz	6936	559	60.31	\$115.00*
AMD FX-6330 Six-Core	6916	560	NA	NA
Intel Core i5-3550S @ 3.00GHz	6906	561	20.25	\$341.01
Intel Xeon E5-2609 v4 @ 1.70GHz	6890	562	19.15	\$359.73*
Intel Xeon E3-1225 V2 @ 3.20GHz	6879	563	13.62	\$504.97
Intel Xeon E5-2430 @ 2.20GHz	6878	564	9.42	\$729.95
AMD Ryzen 3 2200GE	6861	565	NA	NA
Intel Xeon L5639 @ 2.13GHz	6835	566	NA	NA
Intel Core i7-3612QM @ 2.10GHz	6821	567	NA	NA
Intel Core i5-7300HQ @ 2.50GHz	6805	568	NA	NA
Intel Core i5-4570S @ 2.90GHz	6796	569	16.58	\$409.95
AMD Opteron 6220	6785	570	113.11	\$59.99
Intel Core i5-6440HQ @ 2.60GHz	6785	571	NA	NA
Intel Core i7-2840QM @ 2.40GHz	6766	572	NA	NA
AMD Opteron 4386	6761	574	48.30	\$139.99
Intel Core i5-4570R @ 2.70GHz	6761	573	NA	NA
Intel Core i5-6400 @ 2.70GHz	6759	575	30.73	\$219.99
Intel Core i5-3570S @ 3.10GHz	6755	576	23.70	\$285.00*
AMD Opteron 6272	6748	577	112.50	\$59.99
AMD Ryzen 3 1200	6742	578	74.93	\$89.99
Intel Core i7-4770TE @ 2.30GHz	6732	579	NA	NA
Intel Core i5-4460 @ 3.20GHz	6712	580	45.05	\$149.00

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-3612QE @ 2.10GHz	6712	581	NA	NA
Intel Core i5-3470 @ 3.20GHz	6709	582	67.78	\$99.00
Intel Xeon E3-1220 V2 @ 3.10GHz	6688	583	20.32	\$329.11
Intel Core i7-3635QM @ 2.40GHz	6674	584	NA	NA
Intel Core i5-2550K @ 3.40GHz	6667	585	51.29	\$129.99
AMD Opteron 4284	6660	586	111.03	\$59.99
Intel Core i7-985 @ 3.47GHz	6641	587	NA	NA
Intel Core i7-2820QM @ 2.30GHz	6638	588	18.65	\$355.95*
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	589	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-7350K @ 4.20GHz	6619	590	30.79	\$214.98
Intel Core i5-3475S @ 2.90GHz	6611	591	46.07	\$143.50*
AMD FX-8120 Eight-Core	6599	592	66.00	\$99.99
Intel Core i7-2760QM @ 2.40GHz	6574	593	41.14	\$159.81*
Intel Core i5-6500TE @ 2.30GHz	6539	594	31.14	\$209.99*
Intel Xeon E3-1260L @ 2.40GHz	6534	595	76.32	\$85.62
Intel Core i5-3450 @ 3.10GHz	6533	596	51.45	\$126.99
Intel Core i3-7320 @ 4.10GHz	6519	597	35.68	\$182.72
Intel Core i5-4440 @ 3.10GHz	6505	598	38.27	\$169.99
Intel Core i7-7567U @ 3.50GHz	6497	599	NA	NA
Intel Core i5-2500K @ 3.30GHz	6478	600	56.34	\$114.99
Intel Core i5-4690T @ 2.50GHz	6478	601	NA	NA
Intel Xeon E3-1235L v5 @ 2.00GHz	6470	602	NA	NA
Intel Core i7-3610QE @ 2.30GHz	6451	603	NA	NA
Intel Xeon E5-1603 v4 @ 2.80GHz	6432	604	NA	NA
Intel Xeon E5645 @ 2.40GHz	6431	605	24.74	\$259.95
AMD Opteron 4280	6430	607	128.63	\$49.99
Intel Core i5-7400T @ 2.40GHz	6430	606	34.02	\$189.00
Intel Core i7-6822EQ @ 2.00GHz	6427	608	NA	NA
Intel Xeon X5672 @ 3.20GHz	6419	609	22.63	\$283.72*
Intel Core i5-4460S @ 2.90GHz	6407	610	9.71	\$659.99*
Intel Xeon W3580 @ 3.33GHz	6404	611	29.86	\$214.50*
AMD FX-6300 Six-Core	6387	612	127.77	\$49.99
Intel Core i3-7300 @ 4.00GHz	6386	613	37.16	\$171.84
AMD Opteron 3380	6384	614	7.89	\$809.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	6374	615	NA	NA
Intel Core i5-3470S @ 2.90GHz	6365	616	45.08	\$141.19
Intel Xeon L5640 @ 2.27GHz	6344	617	211.71	\$29.97*
Intel Core i5-2500 @ 3.30GHz	6335	618	71.19	\$88.99
Intel Core i5-4430 @ 3.00GHz	6325	619	35.15	\$179.99
Intel Xeon X5667 @ 3.07GHz	6291	620	79.63	\$79.00*
Intel Core i5-6500T @ 2.50GHz	6284	621	NA	NA
Intel Core i5-7442EQ @ 2.10GHz	6262	622	25.05	\$250.00*
Intel Xeon E5-1607 v2 @ 3.00GHz	6228	623	19.90	\$313.00*
Intel Core i5-3450S @ 2.80GHz	6219	624	62.20	\$99.99
Intel Core i5-4440S @ 2.80GHz	6217	625	13.43	\$462.97*
AMD FX-6130 Six-Core	6215	626	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD PRO A12-9800	6199	627	36.68	\$169.00*
Intel Xeon E5-1603 v3 @ 2.80GHz	6188	628	NA	NA
Intel Xeon W5590 @ 3.33GHz	6183	629	2.46	\$2,508.95*
AMD Opteron 6174	6171	630	62.34	\$99.00
Intel Core i5-4670T @ 2.30GHz	6168	631	23.81	\$259.02
Intel Core i3-8109U @ 3.00GHz	6167	632	NA	NA
Intel Core i5-3350P @ 3.10GHz	6148	633	40.99	\$149.99
AMD FX-8140 Eight-Core	6133	634	NA	NA
Intel Core i5-2450P @ 3.20GHz	6132	635	68.14	\$89.99
Intel Core i7-975 @ 3.33GHz	6127	636	34.04	\$179.99
AMD FX-6200 Six-Core	6121	637	18.01	\$339.95
Intel Core i7-2720QM @ 2.20GHz	6120	638	32.22	\$189.95
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1220 @ 3.10GHz	6101	639	32.11	\$190.00
AMD Opteron 4334	6099	640	28.18	\$216.42*
Intel Core i5-3340 @ 3.10GHz	6083	642	23.22	\$262.01
Intel Core i5-6300HQ @ 2.30GHz	6083	641	NA	NA
Intel Xeon W3570 @ 3.20GHz	6076	643	12.66	\$479.95*
AMD PRO A12-8870	6067	644	NA	NA
Intel Core i3-6320 @ 3.90GHz	6047	645	37.80	\$159.99
Intel Xeon E3-1265L @ 2.40GHz	6038	646	6.58	\$918.35*
Intel Core i7-7660U @ 2.50GHz	6031	647	NA	NA
AMD FX-8100 Eight-Core	5982	648	42.13	\$142.00*
Intel Xeon X5647 @ 2.93GHz	5980	649	29.94	\$199.75*
Intel Core i5-2400 @ 3.10GHz	5964	651	79.53	\$74.99
Intel Core i5-7360U @ 2.30GHz	5964	650	NA	NA
AMD Opteron 3365	5963	652	NA	NA
AMD Ryzen 3 2300U	5945	653	NA	NA
Intel Xeon W3565 @ 3.20GHz	5943	654	84.97	\$69.95*
Intel Xeon E5-2609 v3 @ 1.90GHz	5940	655	14.89	\$399.00
AMD Opteron 6234	5938	656	84.84	\$69.99*
Intel Core i5-4430S @ 2.70GHz	5937	657	37.11	\$159.99*
Intel Core i5-3330 @ 3.00GHz	5934	658	19.14	\$309.99*
Intel Xeon E3-1225 @ 3.10GHz	5911	659	33.78	\$175.00*
Intel Core i5-3570T @ 2.30GHz	5901	660	NA	NA
Intel Core i7-2670QM @ 2.20GHz	5883	661	42.51	\$138.40
Intel Core i7-7560U @ 2.40GHz	5877	662	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5864	663	266.70	\$21.99*
Intel Core i7-965 @ 3.20GHz	5856	664	41.83	\$139.99
AMD PRO A10-8850B	5852	665	NA	NA
Intel Core i5-3340S @ 2.80GHz	5846	666	38.98	\$149.99
Intel Core i3-6300 @ 3.80GHz	5838	667	31.09	\$187.79
Intel Xeon W5580 @ 3.20GHz	5836	668	54.53	\$107.03*
Intel Core i7-960 @ 3.20GHz	5811	669	58.12	\$99.99
Intel Core i5-3335S @ 2.70GHz	5788	670	NA	NA
Intel Core i3-7100 @ 3.90GHz	5781	671	34.36	\$168.25
Intel Core i5-6440EQ @ 2.70GHz	5778	672	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 6212	5776	673	192.62	\$29.99
Intel Core i7-2710QE @ 2.10GHz	5768	674	NA	NA
Intel Core i5-2320 @ 3.00GHz	5765	675	36.03	\$160.00
Intel Xeon D-1520 @ 2.20GHz	5755	676	NA	NA
Intel Core i5-2380P @ 3.10GHz	5741	677	63.81	\$89.99
AMD FX-6120 Six-Core	5731	678	NA	NA
AMD Phenom II X6 1100T	5720	679	32.23	\$177.49
AMD PRO A10-8770	5707	680	NA	NA
AMD A10-7890K	5705	681	28.53	\$199.99
Intel Xeon W3550 @ 3.07GHz	5696	682	95.02	\$59.95*
Intel Core i5-7260U @ 2.20GHz	5688	683	NA	NA
Intel Pentium Gold G5600 @ 3.90GHz	5683	684	37.41	\$151.91
Intel Xeon X5570 @ 2.93GHz	5679	685	63.81	\$89.00*
Intel Core i5-3330S @ 2.70GHz	5678	686	59.78	\$94.99
AMD PRO A10-9700	5677	687	33.59	\$169.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon Bronze 3104 @ 1.70GHz	5664	688	24.11	\$234.89
Intel Xeon X3480 @ 3.07GHz	5657	689	NA	NA
Intel Core i5-7287U @ 3.30GHz	5656	690	NA	NA
Intel Core i7-6567U @ 3.30GHz	5656	691	NA	NA
AMD Opteron 4332 HE	5614	692	NA	NA
Intel Core i5-6400T @ 2.20GHz	5610	693	21.58	\$259.95*
Intel Core i5-4590T @ 2.00GHz	5609	694	NA	NA
Intel Core i3-4370 @ 3.80GHz	5605	695	13.51	\$415.00
AMD A10-8850	5598	696	NA	NA
AMD Phenom II X6 1090T	5575	697	14.08	\$396.08*
Intel Xeon E5-1603 @ 2.80GHz	5567	698	21.20	\$262.59*
Intel Xeon L5638 @ 2.00GHz	5556	699	79.49	\$69.90*
Intel Core i7-950 @ 3.07GHz	5550	700	17.02	\$326.00
Intel Core i5-2310 @ 2.90GHz	5538	701	69.24	\$79.98
AMD Athlon X4 880K	5536	702	55.37	\$99.99
Intel Core i7-2675QM @ 2.20GHz	5533	703	NA	NA
Intel Core i7-2630QM @ 2.00GHz	5527	704	24.04	\$229.95*
Intel Core i7-880 @ 3.07GHz	5523	705	9.47	\$583.00*
AMD A12-9800	5518	706	50.18	\$109.99
Intel Core i3-6100 @ 3.70GHz	5488	707	36.83	\$149.00
AMD A10-7850K APU	5473	708	42.11	\$129.99
Intel Xeon W3540 @ 2.93GHz	5472	709	274.73	\$19.92*
AMD A10-7870K	5471	710	21.89	\$249.99
AMD A8-8650	5470	711	NA	NA
AMD PRO A10-8750B	5470	712	NA	NA
AMD Opteron 6176 SE	5465	713	34.37	\$159.00
Intel Core i3-4360 @ 3.70GHz	5460	714	19.51	\$279.95
AMD A10-9700	5457	715	68.23	\$79.99
Intel Core i7-2635QM @ 2.00GHz	5456	716	NA	NA
Intel Xeon E5-2603 v4 @ 1.70GHz	5451	717	23.70	\$229.99*
Intel Core i3-8145U @ 2.10GHz	5431	718	19.33	\$281.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-875K @ 2.93GHz	5430	719	27.16	\$199.99
AMD Athlon X4 860K	5425	720	99.56	\$54.50
Intel Core i3-6098P @ 3.60GHz	5423	721	40.56	\$133.74*
AMD Athlon X4 845	5422	722	101.55	\$53.39
AMD PRO A8-8650B	5420	723	NA	NA
AMD Opteron 3280	5403	724	19.78	\$273.18*
Intel Xeon X5560 @ 2.80GHz	5399	725	93.17	\$57.95*
AMD FX-6100 Six-Core	5387	727	21.29	\$253.00
Intel Xeon X5550 @ 2.67GHz	5387	726	311.96	\$17.27*
AMD A10 PRO-7850B APU	5382	728	NA	NA
Intel Core i3-7300T @ 3.50GHz	5369	729	29.57	\$181.59*
Intel Core i7-2715QE @ 2.10GHz	5365	730	NA	NA
Intel Xeon W3530 @ 2.80GHz	5359	731	18.23	\$293.95*
AMD Opteron 6164 HE	5351	732	NA	NA
Intel Core i5-2300 @ 2.80GHz	5350	733	66.89	\$79.99
Intel Core i7-940 @ 2.93GHz	5350	734	51.45	\$103.99
AMD FX-4350 Quad-Core	5341	735	23.23	\$229.99
Intel Core i5-2500S @ 2.70GHz	5341	736	71.23	\$74.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X6 1075T	5338	737	47.25	\$112.99
Intel Core i7-870 @ 2.93GHz	5336	738	56.17	\$95.00
AMD Athlon X4 870K	5327	739	66.61	\$79.99
Intel Xeon D-1518 @ 2.20GHz	5322	740	NA	NA
AMD FX-4330	5321	741	NA	NA
AMD A8-7680	5314	742	88.59	\$59.99
AMD Athlon 240GE	5301	743	73.65	\$71.99
AMD PRO A8-9600	5277	744	44.35	\$119.00*
AMD Athlon X4 950	5259	745	84.43	\$62.29
Intel Xeon E5640 @ 2.67GHz	5256	746	88.36	\$59.49*
Intel Core i3-6300T @ 3.30GHz	5249	747	29.16	\$179.99
Intel Core i3-4340 @ 3.60GHz	5240	748	30.83	\$169.99
Intel Pentium Gold G5500 @ 3.80GHz	5214	749	29.13	\$178.99*
AMD Athlon PRO 200GE	5204	751	NA	NA
Intel Pentium G4620 @ 3.70GHz	5204	750	45.79	\$113.66*
Intel Xeon E5-2418L @ 2.00GHz	5202	752	NA	NA
Intel Pentium Gold G5400 @ 3.70GHz	5201	753	25.72	\$202.22
Intel Core i3-7101TE @ 3.40GHz	5196	754	44.42	\$117.00*
Intel Core i3-4170 @ 3.70GHz	5189	755	43.61	\$119.00
AMD PRO A12-8870E	5186	757	NA	NA
Intel Core i5-7300U @ 2.60GHz	5186	756	11.51	\$450.64*
Intel Xeon E5-2603 v3 @ 1.60GHz	5179	758	14.50	\$357.33
Intel Core i7-7500U @ 2.70GHz	5164	759	NA	NA
Intel Xeon E5-2609 v2 @ 2.50GHz	5149	760	34.56	\$149.00
Intel Core i7-930 @ 2.80GHz	5139	761	39.54	\$129.99
AMD A10-7700K APU	5123	762	49.56	\$103.39
Intel Xeon X3470 @ 2.93GHz	5118	763	10.04	\$509.95*
AMD FX-870K Quad Core	5105	764	NA	NA