

# CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

## 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 below are for [Single CPU Systems](#) only. For [Multiple CPU Systems](#), results can be found on the CPU Mega List page.

Find CPU


## Single CPU Systems

Last updated on the 20th of July 2022

Column

CPU Name	CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<a href="#">AMD Ryzen Threadripper PRO 5995WX</a>	103,642	1	NA	NA
<a href="#">AMD EPYC 7773X</a>	89,614	2	14.23	\$6,299.00
<a href="#">AMD EPYC 7763</a>	88,270	3	16.65	\$5,299.99
<a href="#">AMD EPYC 7J13</a>	86,006	4	NA	NA
<a href="#">AMD EPYC 7713</a>	85,861	5	19.08	\$4,500.00
<a href="#">AMD Ryzen Threadripper PRO 3995WX</a>	83,017	6	11.86	\$6,999.99
<a href="#">AMD EPYC 7713P</a>	82,441	7	NA	NA
<a href="#">AMD Ryzen Threadripper 3990X</a>	81,363	8	10.83	\$7,513.58
<a href="#">AMD Ryzen Threadripper PRO 5975WX</a>	80,757	9	13.90	\$5,808.00*
<a href="#">AMD EPYC 7B13</a>	77,460	10	NA	NA
<a href="#">AMD EPYC 7643</a>	76,455	11	14.09	\$5,424.99*
<a href="#">AMD EPYC 7662</a>	73,143	12	18.29	\$3,999.99*
<a href="#">AMD EPYC 7702</a>	71,646	13	31.70	\$2,259.95
<a href="#">AMD EPYC 7742</a>	68,749	14	13.65	\$5,037.00
<a href="#">AMD EPYC 75F3</a>	68,505	15	13.70	\$4,999.00
<a href="#">AMD Ryzen Threadripper PRO 5965WX</a>	67,986	16	NA	NA
<a href="#">AMD EPYC 7543P</a>	67,297	17	22.44	\$2,999.00*

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<a href="#">AMD Ryzen Threadripper PRO 3975WX</a>	63,043	20	15.40	\$4,077.00
<a href="#">Intel Xeon Platinum 8380 @ 2.30GHz</a>	62,318	21	6.94	\$8,978.00*
<a href="#">AMD EPYC 7702P</a>	61,689	22	30.30	\$2,035.95
<a href="#">AMD EPYC 74F3</a>	60,840	23	12.68	\$4,798.95
<a href="#">AMD EPYC 7513</a>	59,732	24	21.03	\$2,840.00*
<a href="#">AMD EPYC 7642</a>	59,126	25	31.20	\$1,895.00
<a href="#">AMD EPYC 7443P</a>	57,755	26	38.50	\$1,499.99*
<a href="#">AMD EPYC 7542</a>	56,728	27	38.88	\$1,459.19
<a href="#">AMD EPYC 7543</a>	56,562	28	15.04	\$3,761.00*
<a href="#">AMD EPYC 7532</a>	55,358	29	41.31	\$1,339.99*
<a href="#">AMD Ryzen Threadripper 3960X</a>	54,781	30	40.43	\$1,355.00
<a href="#">Intel Xeon Platinum 8358 @ 2.60GHz</a>	54,416	31	10.67	\$5,097.75*
<a href="#">AMD EPYC 7453</a>	53,511	32	29.74	\$1,799.00*
<a href="#">Intel Xeon W-3375 @ 2.50GHz</a>	53,266	33	11.84	\$4,499.00*
<a href="#">Intel Xeon Gold 6348 @ 2.60GHz</a>	53,112	34	16.79	\$3,163.00
<a href="#">Intel Xeon Platinum 8375C @ 2.90GHz</a>	51,836	35	NA	NA
<a href="#">AMD EPYC 7402</a>	51,368	36	43.53	\$1,179.99
<a href="#">AMD Ryzen Threadripper PRO 5955WX</a>	50,932	37	NA	NA
<a href="#">Intel Xeon Platinum 8347C @ 2.10GHz</a>	49,386	38	NA	NA
<a href="#">AMD EPYC 7502</a>	49,178	39	17.19	\$2,860.33
<a href="#">AMD EPYC 7502P</a>	48,995	40	35.92	\$1,364.00
<a href="#">AMD EPYC 7413</a>	48,858	41	24.45	\$1,997.99*
<a href="#">Intel Xeon Gold 6342 @ 2.80GHz</a>	48,330	42	15.69	\$3,079.40
<a href="#">Intel Xeon Gold 6338N @ 2.20GHz</a>	46,322	43	9.92	\$4,671.69*
<a href="#">AMD EPYC 73F3</a>	46,085	44	7.75	\$5,947.00
<a href="#">AMD EPYC 7343</a>	45,882	45	26.99	\$1,699.99*
<a href="#">AMD Ryzen 9 5950X</a>	45,878	46	83.58	\$548.89
<a href="#">Intel Xeon Gold 6336Y @ 2.40GHz</a>	45,517	47	15.93	\$2,857.95*
<a href="#">Intel Core i9-12900KS</a>	44,737	48	60.87	\$734.98
<a href="#">Intel Xeon Gold 6312U @ 2.40GHz</a>	43,745	49	24.17	\$1,809.59*
<a href="#">Intel Xeon Gold 6330 @ 2.00GHz</a>	43,056	50	23.59	\$1,825.00
<a href="#">AMD EPYC 7601</a>	42,244	51	46.94	\$899.94

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<div>  CPU Benchmarks </div>				
<a href="#"><u>Intel Xeon Gold 6354 @ 3.00GHz</u></a>	41,434	54	15.02	\$2,131.99*
<a href="#"><u>Intel Core i9-12900K</u></a>	41,325	55	73.80	\$559.99
<a href="#"><u>Apple M1 Ultra 20 Core</u></a>	41,306	56	NA	NA
<a href="#"><u>AMD Ryzen Threadripper PRO 5945WX</u></a>	41,282	57	NA	NA
<a href="#"><u>Intel Core i9-12900KF</u></a>	41,223	58	74.96	\$549.97
<a href="#"><u>AMD EPYC 7402P</u></a>	41,098	59	41.10	\$999.97
<a href="#"><u>AMD EPYC 7F52</u></a>	40,951	60	13.21	\$3,100.00*
<a href="#"><u>Intel Xeon Platinum 8275CL @ 3.00GHz</u></a>	40,794	61	NA	NA
<a href="#"><u>AMD EPYC 7313</u></a>	40,793	62	34.57	\$1,179.99*
<a href="#"><u>Intel Xeon W-3275M @ 2.50GHz</u></a>	40,767	63	5.47	\$7,453.00*
<a href="#"><u>AMD EPYC 7K62</u></a>	40,487	64	NA	NA
<a href="#"><u>AMD EPYC 7352</u></a>	40,472	65	34.35	\$1,178.22
<a href="#"><u>AMD Ryzen Threadripper PRO 3955WX</u></a>	40,198	66	22.44	\$1,790.99
<a href="#"><u>Intel Xeon W-3265M @ 2.70GHz</u></a>	39,618	67	6.24	\$6,353.00*
<a href="#"><u>AMD Ryzen 9 5900X</u></a>	39,346	68	100.89	\$389.99
<a href="#"><u>Intel Core i9-12950HX</u></a>	39,136	69	66.33	\$590.00*
<a href="#"><u>AMD Ryzen 9 3950X</u></a>	39,067	70	54.64	\$715.00
<a href="#"><u>Intel Xeon W-3335 @ 3.40GHz</u></a>	38,944	71	29.98	\$1,299.00*
<a href="#"><u>Intel Xeon Gold 6248R @ 3.00GHz</u></a>	38,604	72	14.09	\$2,740.00
<a href="#"><u>ARM Neoverse-N1 80 Core 3000 MHz</u></a>	37,768	73	NA	NA
<a href="#"><u>Intel Xeon Gold 6346 @ 3.10GHz</u></a>	37,606	74	16.68	\$2,255.00
<a href="#"><u>Intel Xeon Platinum 8280 @ 2.70GHz</u></a>	37,575	75	4.13	\$9,095.00
<a href="#"><u>Intel Xeon Gold 6238R @ 2.20GHz</u></a>	37,511	76	12.79	\$2,932.14
<a href="#"><u>Intel Xeon Silver 4316 @ 2.30GHz</u></a>	37,264	77	33.00	\$1,129.22
<a href="#"><u>Intel Xeon W-3175X @ 3.10GHz</u></a>	37,167	78	23.45	\$1,585.00
<a href="#"><u>Intel Core i9-12900</u></a>	37,007	79	72.71	\$508.99
<a href="#"><u>Intel Core i7-12800HX</u></a>	36,511	80	79.89	\$457.00*
<a href="#"><u>Intel Core i9-12900F</u></a>	36,068	81	70.72	\$509.99
<a href="#"><u>Intel Xeon Gold 6242R @ 3.10GHz</u></a>	35,356	82	12.58	\$2,810.60
<a href="#"><u>Intel Xeon Gold 6326 @ 2.90GHz</u></a>	35,328	83	23.03	\$1,533.95
<a href="#"><u>Intel Xeon Platinum 8180 @ 2.50GHz</u></a>	35,208	84	4.43	\$7,949.99
<a href="#"><u>AMD Ryzen 9 5900</u></a>	34,889	85	NA	NA

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<a href="#">Intel Xeon Platinum 8268M @ 2.30GHz</a>	33,970	86	4.41	\$1,705.00
<a href="#">Intel Xeon D-2799 @ 2.40GHz</a>	33,792	89	17.48	\$1,933.00*
<a href="#">Intel Core i9-12900T</a>	33,728	90	68.97	\$489.00*
<a href="#">AMD Ryzen Threadripper PRO 3945WX</a>	33,377	91	NA	NA
<a href="#">Intel Xeon Gold 5220R @ 2.20GHz</a>	33,370	92	19.69	\$1,695.00
<a href="#">Intel Core i9-10980XE @ 3.00GHz</a>	33,314	93	35.11	\$948.80
<a href="#">AMD EPYC 7302</a>	33,015	94	57.93	\$569.95
<a href="#">AMD Ryzen 9 3900XT</a>	32,963	95	69.70	\$472.95
<a href="#">Intel Xeon Gold 6278C @ 2.60GHz</a>	32,835	96	NA	NA
<a href="#">AMD Ryzen 9 3900X</a>	32,783	97	66.23	\$495.00
<a href="#">Intel Xeon Platinum 8168 @ 2.70GHz</a>	32,616	98	4.18	\$7,809.00
<a href="#">AMD EPYC 7302P</a>	32,480	99	35.20	\$922.66
<a href="#">Intel Xeon Gold 6252 @ 2.10GHz</a>	32,410	100	9.44	\$3,432.00
<a href="#">AMD Ryzen Threadripper 2990WX</a>	32,367	101	15.41	\$2,100.00*
<a href="#">Intel Xeon Gold 6230R @ 2.10GHz</a>	32,223	102	17.32	\$1,860.00
<a href="#">Intel Core i9-9980XE @ 3.00GHz</a>	32,216	103	21.55	\$1,495.00
<a href="#">Intel Core i7-12700F</a>	31,681	104	101.23	\$312.96
<a href="#">Intel Xeon W-2295 @ 3.00GHz</a>	31,595	105	19.80	\$1,595.99
<a href="#">Intel Xeon Platinum 8259CL @ 2.50GHz</a>	31,500	106	NA	NA
<a href="#">AMD Ryzen 9 PRO 3900</a>	31,407	107	NA	NA
<a href="#">Intel Core i7-12700</a>	31,343	108	93.88	\$333.85
<a href="#">Intel Core i7-12850HX</a>	31,111	109	72.69	\$428.00*
<a href="#">AMD EPYC 7371</a>	31,094	110	17.19	\$1,808.99*
<a href="#">AMD EPYC 7282</a>	31,059	111	45.01	\$690.00
<a href="#">Intel Core i9-12900HX</a>	31,048	112	51.23	\$606.00*
<a href="#">Intel Core i9-9960X @ 3.10GHz</a>	30,702	113	20.48	\$1,498.95
<a href="#">AMD Ryzen 9 3900</a>	30,638	114	59.84	\$512.00
<a href="#">Intel Xeon Platinum 8171M @ 2.60GHz</a>	30,632	115	NA	NA
<a href="#">Intel Xeon Gold 6253CL @ 3.10GHz</a>	30,617	116	NA	NA
<a href="#">AMD EPYC Embedded 7292P</a>	30,542	117	NA	NA
<a href="#">AMD Ryzen Threadripper 2970WX</a>	30,470	118	27.70	\$1,099.99
<a href="#">AMD EPYC 7551P</a>	30,313	119	81.93	\$369.99

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<a href="#">Intel Core i9-9900XE @ 4.00GHz</a>	30,162	122	13.94	\$2,163.00*
<a href="#">Intel Xeon W-3265 @ 2.70GHz</a>	30,105	123	6.61	\$4,551.37*
<a href="#">Intel Xeon Platinum 8268 @ 2.90GHz</a>	30,103	124	5.01	\$6,005.98*
<a href="#">Intel Xeon Silver 4314 @ 2.40GHz</a>	30,043	125	37.41	\$803.12
<a href="#">AMD Ryzen Threadripper 2950X</a>	29,703	126	30.31	\$979.99
<a href="#">Intel Core i9-12900H</a>	29,412	127	47.67	\$617.00*
<a href="#">Intel Xeon Gold 6254 @ 3.10GHz</a>	29,356	128	8.20	\$3,581.23
<a href="#">Intel Core i9-12900HK</a>	29,187	129	45.96	\$635.00*
<a href="#">Intel Xeon Gold 6148 @ 2.40GHz</a>	29,147	130	10.32	\$2,823.98
<a href="#">Intel Xeon W-2191B @ 2.30GHz</a>	29,090	131	NA	NA
<a href="#">Intel Xeon Gold 6210U @ 2.50GHz</a>	28,915	132	9.14	\$3,164.00*
<a href="#">Intel Xeon Gold 6154 @ 3.00GHz</a>	28,848	133	9.62	\$2,998.95
<a href="#">Intel Xeon Gold 5317 @ 3.00GHz</a>	28,580	134	24.58	\$1,162.85
<a href="#">Intel Xeon W-3245 @ 3.20GHz</a>	28,531	135	10.63	\$2,683.99*
<a href="#">Intel Core i9-10940X @ 3.30GHz</a>	28,473	136	38.12	\$746.99
<a href="#">Intel Core i9-9940X @ 3.30GHz</a>	28,354	137	30.10	\$942.12
<a href="#">AMD Ryzen 7 5800X</a>	28,173	138	94.54	\$298.00
<a href="#">ARM Neoverse-N1 64 Core 0 MHz</a>	28,079	139	NA	NA
<a href="#">AMD Ryzen Threadripper 1950X</a>	27,962	140	95.02	\$294.28
<a href="#">Intel Xeon W-2275 @ 3.30GHz</a>	27,904	141	25.09	\$1,112.00*
<a href="#">Intel Xeon W-2195 @ 2.30GHz</a>	27,739	142	13.98	\$1,983.82*
<a href="#">Intel Xeon Gold 6238 @ 2.10GHz</a>	27,617	143	10.23	\$2,698.95
<a href="#">Intel Core i5-12600K</a>	27,555	144	102.06	\$269.99
<a href="#">AMD Ryzen 7 5800X3D</a>	27,506	145	61.27	\$448.95
<a href="#">Intel Xeon Gold 6212U @ 2.40GHz</a>	27,470	146	13.73	\$2,000.00*
<a href="#">AMD EPYC 7571</a>	27,445	147	NA	NA
<a href="#">Intel Xeon Gold 5318Y @ 2.10GHz</a>	27,422	148	20.15	\$1,361.00*
<a href="#">Intel Xeon Gold 6226R @ 2.90GHz</a>	27,406	149	20.65	\$1,326.99
<a href="#">Intel Xeon Platinum 8173M @ 2.00GHz</a>	27,377	150	NA	NA
<a href="#">Intel Core i7-12700H</a>	27,209	151	59.54	\$457.00*
<a href="#">Intel Core i5-12600KF</a>	27,018	152	103.92	\$259.99
<a href="#">Intel Xeon Gold 6208U @ 2.90GHz</a>	26,901	153	19.12	\$1,406.99*