

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.

← Ads by Google

CPUS

High End

High Mid Range
Low Mid Range
Low End

Best Value (On Market)

Best Value XY Scatter
Best Value (All time)

New Desktop

New Laptop

Single Thread

Systems with Multiple CPUs
Overclocked
Power Performance
CPU Mark by Socket Type
Cross-Platform CPU Performance
Top Gaming CPUs

Search Model

Compare

Common

Most Benchmarked

AMD vs Intel

Single CPU Systems

Last updated on the 28th of June 2023

Column

CPU Name	CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD EPYC 9654	126,045	1	18.84	\$6,690.00
Intel Xeon w9-3495X	102,308	2	17.37	\$5,889.00*
AMD EPYC 9474F	99,068	3	NA	NA
AMD Ryzen Threadripper PRO 5995WX	98,039	4	17.20	\$5,699.99
AMD EPYC 7773X	91,209	5	18.25	\$4,999.00
AMD EPYC 7763	85,915	6	34.45	\$2,494.00
AMD EPYC 7J13	85,683	7	NA	NA
AMD EPYC 7713	83,836	8	25.41	\$3,299.99
AMD Ryzen Threadripper PRO 3995WX	83,515	9	12.16	\$6,866.00
AMD EPYC 7713P	83,439	10	21.67	\$3,850.00
AMD EPYC 7V13	82,878	11	NA	NA
AMD Ryzen Threadripper 3990X	81,187	12	16.70	\$4,861.00
AMD EPYC 9354P	78,983	13	NA	NA
AMD EPYC 7B13	77,460	14	NA	NA
AMD EPYC 7643	76,455	15	16.80	\$4,550.00*
AMD Ryzen Threadripper PRO 5975WX	76,262	16	28.25	\$2,699.99
AMD EPYC 7T83	74,892	17	NA	NA
AMD EPYC 9274F	74,009	18	NA	NA
AMD EPYC 7662	73,321	19	18.33	\$3,999.99*
AMD EPYC 7573X	70,868	20	14.28	\$4,962.00
Intel Xeon w9-3475X	70,850	21	18.95	\$3,739.00*
AMD EPYC 7702	70,506	22	69.60	\$1,013.00

Załącznik A1

AMD EPYC 75F3	68,505	23	13.70	\$4,999.00
Intel Xeon w7-3465X	68,389	24	23.67	\$2,889.00*
AMD EPYC 9254	68,300	25	NA	NA
AMD EPYC 7742	66,915	26	31.89	\$2,098.00
AMD Ryzen Threadripper PRO 5965WX	66,539	27	33.27	\$1,999.99
AMD EPYC 7543P	66,409	28	28.26	\$2,350.00*
AMD EPYC 7R32	64,727	29	NA	NA
AMD Ryzen 9 7950X	63,608	30	117.58	\$540.99
Intel Xeon w7-2495X	63,441	31	24.36	\$2,603.96*
AMD Ryzen Threadripper 3970X	63,426	32	25.42	\$2,495.00
AMD Ryzen 9 7950X3D	63,419	33	95.93	\$661.08
AMD Ryzen Threadripper PRO 3975WX	63,083	34	21.05	\$2,997.19
AMD EPYC 7702P	62,670	35	33.02	\$1,898.00
Intel Xeon Platinum 8380 @ 2.30GHz	62,318	36	6.94	\$8,978.00*
Intel Core i9-13900KS	62,053	37	62.05	\$999.99
AMD EPYC 74F3	60,577	38	19.88	\$3,047.00
AMD EPYC 7642	60,047	39	50.67	\$1,185.00
Intel Core i9-13900K	60,001	40	105.27	\$569.97
AMD EPYC 7513	59,988	41	21.12	\$2,840.00*
Intel Core i9-13900KF	59,427	42	108.74	\$546.49
Intel Xeon W-3375 @ 2.50GHz	59,069	43	13.13	\$4,499.00*
Intel Xeon W-3365 @ 2.70GHz	59,038	44	15.33	\$3,851.00*
AMD Ryzen 9 7945HX	58,039	45	NA	NA
AMD EPYC 7443P	57,685	46	34.26	\$1,683.99*
Intel Xeon Gold 5420+	57,593	47	31.16	\$1,848.00*
Intel Xeon Gold 6414U	57,200	48	24.91	\$2,296.00*
AMD EPYC 7542	56,728	49	43.70	\$1,298.06
Intel Xeon Platinum 8375C @ 2.90GHz	56,642	50	NA	NA
AMD EPYC 7543	56,562	51	15.04	\$3,761.00*
AMD EPYC 9174F	55,485	52	11.92	\$4,654.00
AMD EPYC 7443	54,870	53	24.59	\$2,230.99*
AMD Ryzen Threadripper 3960X	54,825	54	37.18	\$1,474.51
AMD EPYC 7532	54,670	55	27.91	\$1,959.00
Intel Xeon Platinum 8358 @ 2.60GHz	54,416	56	10.67	\$5,097.75*
Intel Core i9-13900F	52,763	57	100.30	\$526.03

Załącznik A1

AMD Ryzen 9 7900X	52,484	58	128.32	\$409.00
Intel Xeon Gold 6348 @ 2.60GHz	52,276	59	24.59	\$2,126.33
AMD Ryzen 9 7900X3D	51,287	60	91.41	\$561.05
Intel Xeon Gold 6314U @ 2.30GHz	51,014	61	18.34	\$2,782.00*
AMD EPYC 7413	50,223	62	25.14	\$1,997.99*
AMD EPYC 7453	50,209	63	29.06	\$1,727.68
AMD EPYC 7502P	49,748	64	29.26	\$1,699.96
AMD Ryzen Threadripper PRO 5955WX	49,544	65	45.04	\$1,099.99
Intel Xeon Platinum 8347C @ 2.10GHz	49,386	66	NA	NA
AMD Ryzen 9 7900	49,312	67	117.41	\$419.99
Intel Core i9-13900	49,220	68	89.49	\$549.99
AMD EPYC 7K62	49,104	69	NA	NA
AMD EPYC 7R12	48,934	70	NA	NA
Intel Core i9-13980HX	48,790	71	73.04	\$668.00*
Apple M2 Ultra 24 Core	48,682	72	NA	NA
AMD EPYC 7452	48,648	73	36.06	\$1,349.00
Intel Xeon W-3345 @ 3.00GHz	48,261	74	19.31	\$2,499.00*
AMD EPYC 7402	47,648	75	31.94	\$1,492.00
Intel Xeon w5-3435X	47,372	76	29.81	\$1,589.00*
Intel Xeon Gold 6342 @ 2.80GHz	47,320	77	19.82	\$2,388.05*
Intel Core i7-13700K	47,022	78	115.25	\$407.99
Intel Core i7-13700KF	46,865	79	119.87	\$390.98
Intel Xeon Gold 6338N @ 2.20GHz	46,583	80	9.97	\$4,671.69*
AMD Ryzen 9 7845HX	46,565	81	NA	NA
Intel Xeon w5-2465X	46,504	82	33.48	\$1,389.00*
ARM Neoverse-N1 128 Core 3000 MHz	46,271	83	NA	NA
AMD EPYC 73F3	46,085	84	11.62	\$3,966.35
AMD Ryzen 9 5950X	45,926	85	103.97	\$441.71
AMD EPYC 7502	45,839	86	52.39	\$875.00
Intel Core i9-13950HX	45,802	87	77.63	\$590.00*
AMD EPYC 9124	45,598	88	25.37	\$1,797.00
Intel Xeon Gold 6336Y @ 2.40GHz	45,517	89	23.58	\$1,929.95
Intel Core i9-13900HX	45,393	90	67.95	\$668.00*
Intel Core i9-12900KS	44,303	91	110.76	\$399.99
AMD EPYC 7343	43,826	92	25.78	\$1,699.99*
Intel Xeon Gold 6312U @ 2.40GHz	43,710	93	24.15	\$1,809.59*

Intel Core i9-13900T	43,673	94	79.55	\$549.00*
Intel Xeon W-3275 @ 2.50GHz	43,344	95	8.86	\$4,894.00*
ARM Neoverse-N1 128 Core 2800 MHz	43,111	96	NA	NA
Intel Xeon Gold 6330 @ 2.00GHz	43,056	97	35.00	\$1,230.00
AMD EPYC 7402P	42,588	98	47.92	\$888.76
AMD EPYC 7601	42,244	99	29.54	\$1,429.99
AMD EPYC 7313P	41,809	100	45.79	\$913.00*
Intel Core i9-12900K	41,613	101	117.89	\$352.99
Intel Xeon Gold 6354 @ 3.00GHz	41,445	102	15.03	\$2,757.99*
Intel Core i9-12900KF	41,401	103	103.76	\$398.99
Intel Core i7-13700F	41,353	104	114.55	\$360.99
AMD EPYC 7352	41,281	105	43.46	\$949.95
AMD EPYC 7F52	41,023	106	13.23	\$3,100.00*
Apple M1 Ultra 20 Core	40,940	107	NA	NA
AMD Ryzen Threadripper PRO 5945WX	40,804	108	NA	NA
Intel Xeon Platinum 8275CL @ 3.00GHz	40,794	109	NA	NA
AMD EPYC 7313	40,605	110	35.26	\$1,151.55
AMD EPYC 7D12	40,428	111	NA	NA
AMD Ryzen Threadripper PRO 3955WX	40,297	112	40.67	\$990.80
Intel Xeon W-3275M @ 2.50GHz	39,979	113	5.36	\$7,453.00*
AMD EPYC 7551P	39,808	114	108.05	\$368.41
Intel Xeon W-3335 @ 3.40GHz	39,317	115	30.27	\$1,299.00*
AMD Ryzen 9 5900X	39,313	116	131.05	\$299.99
Intel Core i7-13700	39,073	117	111.64	\$349.99
AMD Ryzen 9 3950X	38,972	118	84.72	\$459.99
Intel Xeon Gold 6248R @ 3.00GHz	38,710	119	19.42	\$1,993.65
Intel Core i7-13850HX	38,546	120	90.06	\$428.00*
Intel Core i5-13600K	38,479	121	124.13	\$309.99
Intel Core i5-13600KF	38,410	122	131.10	\$292.99
Intel Xeon Gold 6346 @ 3.10GHz	37,722	123	24.43	\$1,544.16
Intel Xeon Gold 5320 @ 2.20GHz	37,558	124	22.83	\$1,645.00
Intel Xeon Gold 6238R @ 2.20GHz	37,511	125	16.02	\$2,341.99
Intel Core i9-12900F	37,293	126	87.75	\$425.00
Intel Xeon Silver 4316 @ 2.30GHz	37,264	127	40.29	\$925.00
Intel Xeon W-3175X @ 3.10GHz	37,167	128	13.97	\$2,660.69
AMD Ryzen 7 7700X	36,576	129	115.84	\$315.75
ARM Neoverse-N1 80 Core 3000 MHz	36,400	130	NA	NA
Intel Xeon Gold 5416S	36,391	131	38.55	\$944.00*

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AMD Ryzen 7 7700	35,574	132	111.24	\$319.79
Intel Xeon Gold 6326 @ 2.90GHz	35,224	133	26.10	\$1,349.34
Intel Xeon Platinum 8180 @ 2.50GHz	35,208	134	8.85	\$3,980.00
AMD Ryzen 7 7800X3D	35,152	135	80.07	\$439.00
Intel Core i9-12900HX	35,083	136	57.89	\$606.00*
Intel Core i7-13700HX	35,021	137	72.21	\$485.00*
Intel Xeon Gold 6242R @ 3.10GHz	34,963	138	17.50	\$1,998.33
AMD Ryzen 9 PRO 5945	34,815	139	NA	NA
Intel Core i7-12700K	34,796	140	85.08	\$409.00*
Intel Core i9-12900	34,781	141	77.29	\$449.99
Intel Core i7-12700KF	34,597	142	125.35	\$276.00
AMD Ryzen 9 5900	34,545	143	NA	NA
AMD Ryzen 7 7745HX	34,281	144	NA	NA
Intel Xeon Gold 6240R @ 2.40GHz	34,206	145	24.44	\$1,399.38
Intel Xeon Gold 6230R @ 2.10GHz	34,183	146	24.96	\$1,369.41
Intel Xeon Platinum 8260M @ 2.30GHz	33,970	147	4.41	\$7,705.00*
Intel Core i5-13600	33,911	148	132.99	\$255.00*
Intel Core i9-13905H	33,881	149	48.61	\$697.00*
Intel Xeon D-2799 @ 2.40GHz	33,792	150	17.48	\$1,933.00*
Intel Xeon w5-2445	33,616	151	40.07	\$839.00*
AMD Ryzen Threadripper PRO 3945WX	33,518	152	NA	NA
Intel Core i7-12800HX	33,451	153	73.20	\$457.00*
Intel Xeon Gold 5220R @ 2.20GHz	33,370	154	25.28	\$1,320.00
Intel Xeon Gold 5318Y @ 2.10GHz	33,283	155	19.58	\$1,700.00*
Intel Xeon Platinum 8259CL @ 2.50GHz	33,279	156	NA	NA
Intel Core i9-12950HX	32,973	157	55.89	\$590.00*
Intel Core i9-10980XE @ 3.00GHz	32,905	158	29.34	\$1,121.48
Intel Xeon Gold 6278C @ 2.60GHz	32,835	159	NA	NA
Intel Core i7-13650HX	32,798	160	67.62	\$485.00*
AMD Ryzen 9 3900XT	32,783	161	84.06	\$390.00
Intel Xeon Platinum 8280 @ 2.70GHz	32,781	162	7.43	\$4,410.10
AMD Ryzen 9 3900X	32,720	163	150.79	\$216.99
AMD EPYC 7302	32,691	164	57.60	\$567.58
AMD EPYC 7302P	32,627	165	38.43	\$849.00
Intel Core i5-13500	32,607	166	131.49	\$247.98
Intel Xeon Platinum 8168 @ 2.70GHz	32,606	167	14.23	\$2,292.00

Załącznik A1

AMD Ryzen 9 7940H	32,499	168	NA	NA
AMD Ryzen Threadripper 2990WX	32,213	169	16.11	\$1,999.99
Intel Core i9-9980XE @ 3.00GHz	32,102	170	29.53	\$1,087.01
Intel Core i7-13700T	32,034	171	83.42	\$384.00*
Intel Xeon W-3265M @ 2.70GHz	32,025	172	5.04	\$6,353.00*
Intel Xeon Platinum 8173M @ 2.00GHz	31,837	173	NA	NA
AMD Ryzen 9 7940HS	31,681	174	NA	NA
Intel Xeon Platinum 8268 @ 2.90GHz	31,632	175	5.27	\$6,005.98*
Intel Core i9-12900T	31,477	176	64.37	\$489.00*
AMD Ryzen 9 PRO 3900	31,299	177	NA	NA
AMD Ryzen 7 7840HS	31,230	178	NA	NA
Intel Core i7-12700F	31,173	179	109.38	\$284.99
Intel Core i7-12700	31,121	180	95.61	\$325.49
AMD EPYC 7371	31,094	181	50.97	\$609.99
Intel Core i9-13900HK	31,068	182	44.57	\$697.00*