

CPU	Type	Device	Cores	Threads	Base (GHz)	Max Turbo (GHz)	GPU	TDP (W)	Release	Single Threaded					Multi-Threaded					Comments	
										Geekbench 5	Spec2017 Int	Spec2017 FP	Spec2017 Mean	ST MEAN	Geekbench 5	Spec2017 Int	Spec2017 FP	Spec2017 Mean	MT MEAN		MT Scaling
Core i9-13900K	Desktop		8P+16E	32	2.2/3.0	4.3/5.8	UHD 770	125 - 253	Q4 2022	2240	9.19 (P)	15.78 (P)	12.04 (P)	1.64	25406	108.5	108.29	108.39	16.59	0.67	Top-end Intel CPU 2022, 13th-gen, 10-nm
Ryzen 9 7950X	Desktop		16	32	4.5	5.7	Radeon	170	Q3 2022	2191	9.39	15.07	11.90	1.61	22974	113.28	92.56	102.40	15.34	0.62	Top-end AMD desktop for 2022, Zen-4 5-nm, 13.14 billion t
Core i9-13980HX	Mobile		8P+16E	32	1.6/2.2	4.0/5.6	HD 13th-ge	55 - 157	Q1 2023	2139					21303						Top-end Intel mobile CPU beginning 2023
Core i9-13900T	Mobile		8P+16E	32	0.8/1.1	3.9/5.1	UHD 770	35 - 106	Q1 2023	2100					16000						Top-end lower-power Intel mobile CPU 2023
Ryzen 9 7945HX	Mobile		16	32	2.5	5.4	R610M	55	Q1 2023												Zen 4 5-nm
M2	Mobile	Macbook/Mini	4P+4E	8	3.49		10-core	20	2023	1891					8738						5-nm, 20 billion transistors
Xeon 8480	Workstation		56	112	2.0	3.8		350	2023	1498					37500						
Core i9-12900K	Desktop		8P+8E	24	3.2	5.2	UHD 770	125 - 240	Q4 2021	2000	8.14 (P)	14.16 (P)	10.74 (P)	1.47	18500	80.5	81.8	81.15	12.25	0.52	Top-end Intel CPU 2021
Core i9-11900K	Desktop		8	16	3.5	5.3	UHD 750	125	Q1 2021	1840	6.87	11.79	9.00	1.29	10942	45.5	46	45.75	7.08	0.69	High-end Intel CPU 2021
Ryzen 9 5980HS	Mobile		8	16	3	4.8	n/a	35	Q1 2021	1506			8.30	1.12	8100			34.60	5.29	0.59	High-end AMD mobile CPU
Ryzen 9 5950X	Desktop		8	16	3.4	4.9	n/a	105	Q4 2020	1670	7.65	12.19	9.66	1.27	16590	64.4	64.4	64.40	10.34	1.02	Top-end AMD desktop CPU in 2021
Ryzen 9 5700G	Desktop		8	16	3.8	4.6	8-core	65	Q2 2021	1500			8.50	1.13	9200			43.00	6.29	0.70	High-end AMD desktop CPU w/integrated GPU
Core i9-12900HK	Mobile		6P+8E	20	3.0	5.0	Iris Xe	35 - 115	Q1 2022	1850					9640						Top-end Intel mobile CPU 2021
Xeon W3375	Workstation		38	76	2.5	4	n/a	270	Q3 2021	1300					26500						Top-end Intel Xeon 2021
AMD 3995WX	Workstation		64	128	2.7	4.2	n/a	280	Q3 2021	1232					30495	370	280	321.87	31.33	0.39	Top-end AMD server chip 2021
M1 Max	Desktop		8P+2E	10	3.2		32-core	10 - 100	Q3 2021	1760	7.49	12.83	9.80	1.31	12600	53.4	81.1	65.81	9.11	0.69	Apple's flagship CPU 2021
A15 Bionic	Mobile	iPhone 13	6	6	3.23		5-core		Q3 2021	1681	7.28 (P) 2.42 (E)	10.15 (P) 3.03 (E)	8.60 (P) 2.71 (E)	1.20	4609					0.46	2 high-perf cores, 4 high-eff cores
Xeon Platinum 8380	Workstation		40	80	2.3	3.4	n/a	270	Q2 2021	750					17000						Platinum supports 8 sockets; Gold 4; Silver/Bronze 2
Xeon Platinum 8280	Workstation		28	56	2.7	4	n/a	205	Q2 2019	1000	4.77	5.85	5.28	0.73	17821	106.17	107.82	106.99		0.85	
Ryzen 9 5950X	Desktop		16	32	3.4	4.9	n/a	105	Q4 2020	1672	7.29	9.65	8.39	1.18	16518	77.3	80.71	78.99	11.42	9.65	Top-end AMD Desktop CPU in 2020
Core i9-10980XE	Desktop		18	36	3.0	4.8	n/a	165	Q4 2019	1162					15432					0.74	
Xeon W-1290P	Workstation		10	20	3.7	5.3	HD P630	125	Q2 2020	1405	5.84	7.89	6.79	0.98	10968	43.3	43.98	43.64	6.92	1.03	Very similar to Core i9-10900K
Core i9-10900K	Desktop		10	20	3.7	5.3	UHD 630	125	Q2 2020	1405	6.14	8.2	7.10	1.00	10968	47.35	48.59	47.97	7.25	1.03	Top-end Intel Desktop CPU in 2020
Core i9-10910	Desktop		10	20	3.6	5	UHD 630	125	Q3 2020	1337					9630					0.72	
Core i9-9900	Desktop		8	16	3.1	5	UHD 630	65	Q2 2019	1296					8091	38	38	38.00	5.54	0.78	
Core i7-1185G7	Mobile	Surface Pro 8	4	8	3.0	4.8	Iris Xe	28	Q3 2020	1500	6.42	10.75	8.30	1.12	5000	21.89	30.84	34.60	4.16	0.93	Surface Pro 8 CPU
M1	Mobile	Macbook/Mini	4P+4E	8	3.2		8-core	10 - 24	Q4 2020	1700	6.66	10.37	8.31	1.19	7500	28.85	38.71	33.42	5.01	#VALUE!	4 high-perf cores, 4 high-eff cores
Core i9-10980HK	Mobile		8	16	2.4	5.3	UHD 630	45 - 65	Q3 2019	1300					7500					0.72	
Ryzen 9 4900H	Mobile		8	16	3.3	4.4	n/a	35 - 54	Q2 2020	1093	4.75	6.56	5.58	0.78	7042	31.62	33.15	32.38	4.77	1.07	Top-end AMD mobile CPU in 2020
Core i7-8700	Desktop	Dell SFF	6	12	3.2	4.6	UHD 630	65	Q4 2017	1160					5841					0.84	
Ryzen 7 4800U	Mobile		8	16	1.8	4.2	n/a	10 - 25	Q2 2020	1023	4.29	6.28	5.19	0.73	5836	25.14	28.25	26.65	3.94	0.94	
Core i7-1185G7	Mobile		4	8	1.2 - 3.0	4.8	Iris Xe	12 - 28	Q3 2020	1500	6.17	8.6	7.28	1.05	5000	21.52	25.87	23.59	3.43	1.11	Top-end Intel mobile in 2020
Core i7-1065G7	Mobile		4	8	1.3	3.9	Iris Plus	15	Q3 2019	1225					4600					0.94	
A14 Bionic	Mobile	iPhone 12	6	6	2.99		4-core		Q4 2020	1590	6.47 (P) 1.88 (E)	8.95 (P) 2.54 (E)	7.61 (P) 2.19 (E)	1.10	4100					0.43	2 high-perf cores, 4 high-eff cores
A11 Bionic	Mobile	iPhone X 2018	6	6	2.39		3-core		Q4 2017	919					2373					0.43	2 high-perf cores, 4 high-eff cores
A11 Bionic	Mobile	iPhone 8+ 2020	6	6	2.39		Apple		Q3 2017	920					2200					0.40	2 high-perf cores, 4 high-eff cores
Core i7-4610M	Mobile	Dell Laptop	2	4	3	3.7	HD 4600	37	Q1 2014	758					1614					1.06	
Core i5-6300U	Mobile	Surface Pro	2	4	2.4	3	HD 520	15	Q3 2015	645					1419					1.10	
A10 Fusion	Mobile	iPhone 7+ Q4 2	4	4	2.34		GT7600+		Q3 2016	770					1400					0.45	2 high-perf cores, 2 high-eff cores
Core i5-670	Desktop		2	4	3.46	3.73	HD	73	Q1 2010	500					1150					1.15	
Apple A9	Mobile	iPhone 6S+ 201	2	2	1.85		GT7600		Q3 2015	550					1000					0.91	2 high-perf cores
Apple Cyclone (Apple A7)	Mobile	Ipad mini 2 201	2	2	1.3		G6430		Q4 2013	270					510					0.94	iPad Mini 2 2013
ARM Cortex-A9 (Apple A5X)	Mobile	Ipad 3 2012	2	2	1		SGX543		Q1 2012	65					116					0.89	iPad 3 2012
ARM Cortex-A8 (Apple A4)	Mobile	Ipad 1 2010	1	1	1		SGX535		Q2 2010	25					25					1.00	iPad 1 2010

ST MEAN and MT MEAN are normalized Single Threaded and Multi-Threaded scores

MT Scaling is MT MEAN / ST MEAN divided by number of cores. 1.0 would be perfect scaling.