AMD AMD	ctur cpuName sin Threadripp Threadripp	1262 1231	75671 73220	64 64	128 128	2.9 2.7	boClock type 4.5 Desktop 4.2 Desktop
AMD AMD	Epyc 7702l Threadrippe Threadrippe	993 1308 1244	48959 46874 43450	64 32 32	128 64 64	2 3.7 3.5	3.35 Desktop 4.5 Desktop 4.2 Desktop
AMD AMD	Threadripp Threadripp Ryzen 9 59	1307 1005 1684	34932 29651 28782	24 32 16	64 64 32	3.8 3 3.4	4.5 Desktop 4.2 Desktop 4.9 Desktop
Intel Intel Intel	Core i9 129 Core i9 129 Core i9 129	2007 1974 2082 1401	27852 27852 27796 27175	16 16 16 16	24 24 24 32	3.2 3.2 3.4	5.2 Desktop 5.2 Desktop 5.5 Desktop
AMD Intel AMD Intel	Threadripp Core i9 998 Ryzen 9 39 Core i9 108	1114 1406 1063	27173 27093 26375 25490	18 16 18	36 32 36	3.9 3 3.5 3	4.3 Desktop 4.4 Desktop 4.7 Desktop 4.6 Desktop
Intel	Core i7 127	1950	23168	12	20	3.6	5 Desktop
Intel	Core i7 127	1958	22997	12	20	3.6	5 Desktop
AMD	Ryzen 9 59	1670	22046	12	24	3.7	4.8 Desktop
Apple	M1 Ultra	1574	21817	20	20	2	3.2 Desktop
AMD	Ryzen 9 59	1608	21071	12	24	3	4.7 Desktop
AMD	Threadripp	1027	19635	16	32	3.4	4 Desktop
AMD	Threadripp	1135	18797	16	32	3.5	4.4 Desktop
AMD	Ryzen 9 39	1312	18682	12	24	3.8	4.6 Desktop
AMD	Ryzen 9 39	1354	18511	12	24	4.1	4.7 Desktop
Intel	Core i9 798	1287	18389	18	36	2.6	4.2 Desktop
Intel	Core i9 129	1919	18252	14	20	2.5	5 Laptop
Intel	Core i9 996	1085	18125	16	32	3.1	4.4 Desktop
Intel	Core i5 126	1929	17979	10	16	3.7	4.9 Desktop
Intel	Core i9 109	1516	17486	10	20	3.7	5.3 Desktop
Intel	Core i5 126	1904	17400	10	16	3.7	4.9 Desktop
Intel	Core i7 127	1774	16860	14	20	2.3	4.7 Laptop
Intel	Core i9 129	1948	16839	14	20	2.5	5 Laptop
Intel	Core i9 109	1250	16427	14	28	3.3	4.6 Desktop
Intel	Core i9 119	1670	16367	8	16	3.5	5.3 Desktop
Intel	Core i9 118	1875	16225	12	20	3.6	4.9 Desktop
Intel	Core i9 118	1671	16211	8	16	3.5	5.3 Desktop
Intel	Core i9 118	1837	15922	14	20	2.4	4.8 Laptop
Intel	Core i9 108	1325	15762	10	20	3.6	5.2 Desktop
Intel	Core i9 108	1307	15709	12	24	3.5	4.6 Desktop
Intel	Core i9 994	1248	15585	14	28	3.3	4.4 Desktop
Intel	Core i9 109	1433	15564	10	20	3.7	5.3 Desktop
Intel	Core i9 796	1117	15301	16	32	2.8	4.2 Desktop
Intel	Core i7 117	1578	15223	8	16	3.6	5 Desktop
Intel	Core i7 117	1582	15136	8	16	3.6	5 Desktop
AMD	Ryzen 7 58	1516	15049	8	16	3.4	4.5 Desktop
AMD	Threadripp	1054	15038	12	24	3.5	4 Desktop
Intel	Core i9 992	1077	15018	12	24	3.5	4.4 Desktop
AMD	Ryzen 9 69	1685	14950	8	16	3.3	5 Laptop
AMD	Ryzen 9 69	1685	14917	8	16	3.3	5 Laptop
Intel	Core i5 125	1732	14825	12	16	2.5	4.5 Laptop
AMD	Ryzen 7 58	1596	14812	8	16	3.8	4.7 Desktop
AMD	Ryzen 9 69	1669	14805	8	16	3.3	4.9 Laptop
Intel	Core i9 109	1159	14480	10	20	3.7	4.5 Desktop
AMD	Ryzen 7 57	1539	14437	8	16	3.4	4.6 Desktop
AMD	Ryzen 7 57	1535	14350	8	16	3.8	4.6 Desktop
AMD	Ryzen 7 58	1580	14231	8	16	3.4	4.6 Desktop
Intel	Core i9 990	1189	14180	10	20	3.5	4.4 Desktop
Intel	Core i9 119	1591	14028	8	16	2.6	5 Laptop
AMD	Ryzen 7 38	1346	13848	8	16	3.9	4.5 Desktop
Intel	Core i7 782	1371	13641	8	16	3.6	4.3 Desktop
Intel	Core i9 119	1473	13499	8	16	2.5	5.2 Desktop
Intel	Core i9 109	1367	13439	10	20	2.8	5.2 Desktop
Intel AMD Intel	Core i7 980 Ryzen 7 68 Core i9 119	1288 1512 1413	13253 13253 13209	8 8 8	16 16 16	3.8 3.2 2.5 3	4.4 Desktop 4.7 Laptop 5.2 Desktop 4.6 Desktop
Intel AMD AMD AMD	Core i5 125 Ryzen 7 Pr Ryzen 9 69 Ryzen 9 59	1824 1344 1609 1504	13145 13109 13052 13036	6 8 8 8	12 16 16 16	3.6 3.3 3.3	4.6 Desktop 4.4 Desktop 4.9 Laptop 4.6 Laptop
Intel	Core i9 990	1296	12959	8	16	3.6	5 Desktop
AMD	Ryzen 7 38	1355	12955	8	16	3.9	4.7 Desktop
AMD	Ryzen 9 59	1504	12941	8	16	3.3	4.6 Laptop
Intel	Core i9 990	1289	12879	8	16	4	5 Desktop
Intel	Core i7 107	1309	12873	8	16	3.8	5.1 Desktop
Intel	Core i7 107	1309	12873	8	16	3.8	5.1 Desktop
Intel	Core i9 119	1591	12860	8	16	2.1	5 Laptop
AMD	Ryzen 9 59	1538	12844	8	16	3	4.8 Laptop
AMD	Ryzen 9 59	1488	12838	8	16	3	4.6 Laptop
AMD	Ryzen 7 47	1353	12827	8	16	3.6	4.4 Desktop
Intel	Core i9 109	1283	12648	10	20	1.9	4.6 Desktop
AMD	Ryzen 7 68	1505	12645	8	16	3.2	4.7 Desktop
Intel	Core i9 990	1358	12581	8	16	3.6	5 Desktop
Apple	M1 Max	1556	12553	10	10	2	3.2 Laptop
Intel	Core i7 118	1546	12442	8	16	2.1	4.8 Laptop
Intel	Core i7 107	1272	12440	8	16	2.9	4.8 Desktop
Intel	Core i7 118	1514	12342	8	16	1.9	4.6 Laptop 5 Desktop 4.4 Laptop
Intel	Core i9 990	1298	12341	8	16	3.1	
AMD	Ryzen 7 58	1438	12330	8	16	3.2	
Apple	M1 Pro	1552	12311	10	10	2	3.2 Laptop
Intel	Core i9 119	1598	12249	8	16	2.1	4.9 Laptop
AMD	Ryzen 7 68	1417	12221	8	16	2.7	4.7 Laptop
AMD	Ryzen 7 37	1345	12195	8	16	3.6	4.4 Desktop
Intel	Core i5 124	1725	12117	6	12	2.5	4.4 Desktop
Intel	Core i5 124	1736	12071	6	12	2.5	4.4 Desktop
AMD	Ryzen 9 59	1648	12017	8	16	3.3	4.8 Laptop
Intel	Core i9 790	1227	12010	10	20	3.3	4.3 Desktop
AMD	Ryzen 7 47	1346	11748	8	16	3.6	4.4 Desktop
AMD	Ryzen 9 49	1305	11538	8	16	3.3	4.4 Laptop
Intel	Core i5 116	1582	11482	6	12	3.9	4.9 Desktop
AMD	Ryzen 5 56	1472	11429	6	12	3.5	4.4 Desktop
Intel	Core i5 116	1573	11392	6	12	3.9	4.9 Desktop
AMD	Ryzen 5 56	1499	11358	6	12	3.9	4.4 Desktop
AMD	Ryzen 7 48	1264	11335	8	16	2.9	4.2 Laptop
Intel	Core i5 116	1621	11320	6	12	2.8	4.8 Desktop
AMD	Ryzen 5 56	1593	11201	6	12	3.7	4.6 Desktop
Intel	Core i7 117	1563	11169	8	16	2.5	4.9 Desktop
AMD	Ryzen 9 49	1250	11145	8	16	3	4.3 Laptop
Intel	Core i9 109	1367	10890	10	20	2.8	5.2 Desktop
Intel	Core i7 116	1499	10736	6	12	2.5	4.6 Laptop
AMD	Ryzen 5 55	1372	10710	6	12	3.6	4.2 Desktop
Intel	Core i9 109	1299	10654	8	16	2.4	5.3 Laptop
AMD	Ryzen 7 48	1241	10654	8	16	2.9	4.2 Laptop
AMD	Ryzen 7 58	1346	10625	8	16	2.8	4.4 Laptop
Intel	Core i5 106	1407	10600	6	12	4.1	4.8 Desktop
Intel	Core i5 106	1407	10600	6	12	4.1	4.8 Desktop
Intel	Core i7 808	1344	10342	6	12	4	5 Desktop
Intel	Core i9 990	1233	10337	8	16	2.1	4.4 Desktop
Intel Intel AMD AMD	Core i7 107 Core i5 114 Ryzen 7 27	1285 1346 1102 1383	10322 10235 10140 10136	8 6 8 6	16 12 16 12	2 2.6 3.7 3.3	4.5 Desktop 4.4 Desktop 4.3 Desktop
Intel AMD Intel	Ryzen 5 56 Core i7 596 Ryzen 7 Pr Core i7 108	1089 1288 1235	10136 10117 10105 9986	8 8 8	16 16 16	3.6 2.2	4.2 Laptop 3.5 Desktop 4.4 Desktop 5 Laptop
Intel	Core i5 115	1511	9980	6	12	2.7	4.6 Desktop
AMD	Ryzen 5 36	1330	9945	6	12	3.8	4.2 Desktop
Intel	Core i7 695	1094	9918	10	20	3	3.5 Desktop
AMD	Ryzen 7 48	1241	9876	8	16	1.8	4.2 Laptop
Intel	Core i7 127	1788	9773	12	16	2.2	4.8 Laptop
Intel	Core i5 115	1511	9693	6	12	2.4	4.6 Laptop
Intel	Core i5 114	1358	9649	6	12	2.6	4.4 Desktop
Intel	Core i7 97(	1293	9605	8	8	3.6	4.9 Desktop
Intel	Core i9 108	1305	9605	8	16	2.4	5.3 Laptop
AMD	Ryzen 5 36	1323	9526	6	12	3.8	4.2 Desktop
Intel AMD AMD	Core i5 114 Ryzen 5 46 Ryzen 7 18	1737 1227 983	9420 9401 9380	6 6 8	12 12 12 16	2.2 3.7 3.6	4.2 Desktop 4.5 Laptop 4.2 Desktop 4 Desktop
Intel	Core i7 117	1453	9364	8	16	2.5	<ul><li>4.9 Desktop</li><li>4.2 Desktop</li><li>4.9 Desktop</li></ul>
AMD	Ryzen 5 Pr	1267	9356	6	12	3.7	
Intel	Core i7 970	1261	9346	8	8	3.6	
Intel	Core i5 106	1298	9076	6	12	3.3	4.8 Desktop
AMD	Ryzen 5 36	1245	9073	6	12	3.6	4.2 Desktop
AMD	Ryzen 7 57	1266	9064	8	16	1.8	4.3 Laptop
Intel	Core i5 112	1402	9062	6	12	2.1	4.4 Laptop
AMD	Ryzen 5 46	1178	9052	6	12	3	4 Laptop
AMD	Ryzen 7 27	1067	9005	8	16	3.2	4.1 Desktop
Intel	Core i7 87(	1227	8990	6	12	3.7	4.7 Desktop
AMD	Threadripp	1005	8979	8	16	3.8	4 Desktop
Intel	Core i7 108	1260	8952	8	16	2.3	5.1 Laptop
AMD	Ryzen 7 17	987	8872	8	16	3.4	3.8 Desktop
Intel	Core i9 988	1152	8822	8	16	2.3	4.8 Laptop
AMD	Ryzen 7 Pr	1413	8727	8	16	1.9	4.4 Laptop
Intel	Core i7 107	1237	8649	8	16	2.9	4.8 Desktop
Intel Intel Intel	Core i7 970 Core i7 970 Core i7 126	1210 1193 1648 1298	8631 8631 8615	8 8 12 4	8 8 16 8	3 3 2.1 4	4.7 Desktop 4.7 Desktop 4.7 Laptop
AMD Intel Intel Intel	Ryzen 3 53 Core i9 998 Core i3 121 Core i5 108	1197 1650 1096	8504 8484 8467 8272	8 4 6	16 8 12	2.4 3.3 3.1	4.2 Desktop 5 Laptop 4.3 Desktop 4.5 Desktop
Intel	Core i3 121	1693	8197	4	8	3.3	4.3 Desktop 4 Laptop 4 Desktop
AMD	Ryzen 5 46	1178	8176	6	12	2.1	
AMD	Ryzen 7 27	1057	8176	8	16	2.8	
AMD	Ryzen 7 58	1431	8168	8	16	1.9	4.4 Laptop
AMD	Ryzen 7 17	954	8138	8	16	3	3.7 Desktop
AMD	Ryzen 5 66	1431	8121	6	12	2.9	4.5 Laptop
AMD	Ryzen 5 46	1156	8075	6	12	3	4 Laptop
Intel	Core i5 106	1134	7901	6	12	2.4	4 Desktop
Apple	M1	1533	7850	8	8	2.1	3.2 Laptop
Intel AMD Intel Intel	Core i5 104 Ryzen 5 56 Core i5 104 Core i5 105	1119 1379 1137 1086	7724 7697 7670 7531	6 6 6	12 12 12 12	2.9 2.3 2.9 2.3	4.3 Desktop 4.2 Laptop 4.3 Desktop 3.8 Desktop
AMD Intel AMD	Ryzen 5 26 Core i7 108 Ryzen 7 47	1000 1094 1208 1231	7523 7518 7462	6 6 8	12 12 12 8	3.6 2.7 2	4.2 Desktop 5.1 Laptop 4.1 Laptop
Intel	Core i7 780	983	7445	6	12	3.5	4 Desktop
Intel	Core i7 685	1004	7422	6	12	3.6	3.8 Desktop
Intel	Core i5 960	1277	7403	6	6	3.7	4.6 Desktop
Intel	Core i7 107	1178	7343	6	12	2.6	5 Laptop
AMD	Ryzen 5 Pr	1379	7202	6	12	2.3	4.2 Laptop
AMD	Ryzen 5 26	1016	7173	6	12	3.4	3.9 Desktop
AMD	Ryzen 5 55	1185	7173	6	12	2.1	4 Laptop 4.6 Desktop 4.6 Laptop
Intel	Core i7 870	1227	7160	6	12	3.2	
Intel	Core i7 985	1206	7045	6	12	2.6	
Intel Intel Intel Intel	Core i9 895 Core i7 975 Core i5 104 Core i5 105	1208 1127 998 1170	7045 6955 6883 6882	6 6 6	12 12 12 12	2.9 2.6 2 2.5	4.8 Laptop 4.5 Laptop 3.6 Desktop
Intel AMD Intel	Core is 105 Core i7 680 Ryzen 3 33 Core i5 860	966 1307 1261	6854 6845 6814	6 4 6	12 8 6	3.4 3.8 3.6	4.5 Laptop 3.6 Desktop 4.3 Desktop 4.3 Desktop
Intel	Core i7 113	1599	6766	4	8	3	5 Laptop
Intel	Core i5 960	1192	6708	6	6	3.7	4.6 Desktop
AMD	Ryzen 5 16	949	6541	6	12	3.6	4 Desktop
Intel	Core i3 103	1312	6490	4	8	3.8	4.6 Desktop
Intel	Core i7 113	1612	6478	4	8	2.9	5 Laptop
Intel	Core i5 940	1130	6284	6	6	2.9	4.1 Desktop
AMD Intel AMD Intel	Ryzen 5 16 Core i7 116 Ryzen 3 Pr Core i5 950	903 1518 1178 1142	6282 6109 6093 6091	6 4 4 6	12 8 8 6	3.2 1.2 3.8 3	3.6 Desktop 4.7 Laptop 4 Desktop
Intel	Core i5 950	1142	6091	6	6	3	4.4 Desktop
Intel	Core i3 103	1248	6051	4	8	3.7	4.4 Desktop
Intel	Core i7 118	1535	6050	4	8	1.3	5 Laptop
Intel	Core i7 875	1071	6033	6	12	2.2	4.1 Laptop
Intel	Core i5 113	1473	5995	4	8	2.5	4.5 Laptop
Intel	Core i7 107	1270	5974	6	12	1.1	4.7 Laptop
Intel	Core i5 840	1039	5946	6	6	2.8	4 Desktop
Intel	Core i7 77(	1235	5940	4	8	4.2	4.5 Desktop
AMD	Ryzen 5 45	1151	5939	6	6	2.3	4 Laptop
AMD	Ryzen 3 43	1215	5798	4	8	3.5	4 Desktop
Intel	Core i7 118	1473	5783	4	8	1.2	4.8 Laptop
Intel	Core i7 113	1535	5778	4	8	3	4.8 Laptop
Intel	Core i3 101	1172	5776	4	8	3.7	4.4 Desktop
AMD	Ryzen 3 31	1105	5423	4	8	3.6	3.9 Desktop
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