

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

CPU Mega List

Below is a list of all single and multiple socket CPU types that appear in the charts. By clicking the column headings you can sort the CPUs, you can also filter your search by selecting one of the drop down categories or by using the range sliders. Clicking on a specific processor name will take you to the chart it appears in and will highlight it for you.

Last Updated: 27th of May 2022

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CPU Name <input type="text" value="Search..."/>	Cores	CPU Mark		Thread Mark		TDP (W)		Socket	Category
		Min... Max...	-	Min... Max...	-	Min... Max...	-		
Intel Core i9-12950HX	8	39,136		4,092		55		FCBGA1964	Laptop
Intel Core i9-12900H	6	29,782		3,964		45		FCBGA1744	Laptop
Intel Core i9-12900HK	6	28,127		3,736		45		FCBGA1744	Laptop
Intel Core i7-12700H	6	27,642		3,741		45		FCBGA1744	Laptop
AMD Ryzen 9 6900HS	8	24,456		3,362		35		FP7	Laptop
AMD Ryzen 7 PRO 6850U	8	24,352		3,442		28		FP7	Laptop
AMD Ryzen 9 6900HX	8	24,143		3,466		45		FP7	Laptop
Intel Xeon W-11955M @ 2.60GHz	8	23,859		3,375		45		FCBGA1787	Laptop, Server
Intel Core i9-11980HK @ 2.60GHz	8	23,627		3,312		45		FCBGA1787	Laptop
AMD Ryzen 9 5980HX	8	23,604		3,337		45		FP6	Laptop
AMD Ryzen 7 6800HS	8	23,587		3,323		35		FP7	Laptop
AMD Ryzen 7 6800H	8	23,461		3,303		45		FP7	Laptop
Intel Core i5-12500H	4	23,224		3,649		45		FCBGA1744	Laptop
AMD Ryzen 9 5900HX	8	23,134		3,229		45		FP6	Laptop
Intel Core i5-1250P	4	23,120		3,619		28		BGA1700	Laptop
Intel Core i9-11950H @ 2.60GHz	8	22,566		3,297		45		FCBGA1787	Laptop
Apple M1 Max 10 Core 3200 MHz	10	22,526		3,850		NA		Unknown	Desktop, Laptop
Apple M1 Pro 10 Core 3200 MHz	10	22,262		3,839		NA		Unknown	Desktop, Laptop
AMD Ryzen 9 5900HS	8	22,203		3,201		35		FP6	Laptop
AMD Ryzen 7 5800H	8	21,458		3,081		45		FP6	Laptop
AMD Ryzen 9 5980HS	8	21,437		3,154		35		FP6	Laptop
Intel Core i7-11800H @ 2.30GHz	8	21,319		3,135		45		FCBGA1787	Laptop
Intel Core i9-11900H @ 2.50GHz	8	21,169		3,185		45		FCBGA1787	Laptop
Intel Core i7-11850H @ 2.50GHz	8	21,156		3,217		45		FCBGA1787	Laptop
AMD Ryzen 9 5900H	8	20,960		3,312		NA		AM4	Laptop

CPU Name Cores - CPU Mark - Thread Mark - TDP (W) Socket Category

CPU Benchmarks

CPU Name	Cores	CPU Mark	Thread Mark	TDP (W)	Socket	Category
AMD Ryzen 7 PRO 5875U	8	20,369	2,919	15	FP6	Laptop
Intel Core i7-1270P	4	19,867	3,729	28	BGA1700	Laptop
Intel Core i5-12450H	4	19,820	3,628	45	FCBGA1744	Laptop
AMD Ryzen 9 4900HS	8	19,421	2,629	35	FP6	Laptop
AMD Ryzen 9 4900H	8	19,349	2,734	45	FP6	Laptop
Intel Core i7-12800H	6	19,052	3,604	45	FCBGA1744	Laptop
AMD Ryzen 7 4800H	8	19,042	2,638	45	FP6	Laptop
Intel Xeon W-11855M @ 3.20GHz	6	18,914	3,303	45	FCBGA1787	Laptop, Server
AMD Ryzen 7 5800U	8	18,861	3,090	15	FP6	Laptop
AMD Ryzen 7 4800HS	8	18,842	2,606	45	FP6	Laptop
AMD Ryzen 5 PRO 6650U	6	18,649	3,277	28	FP7	Laptop
AMD Ryzen 7 5825U	8	18,371	3,080	15	AM4	Laptop
Intel Core i3-1220P	2	18,329	3,474	28	FCBGA1744	Laptop
Intel Core i5-1240P	4	18,271	3,328	28	FCBGA1744	Laptop
AMD Ryzen 7 Extreme Edition	8	18,209	2,666	NA	FP6	Laptop
AMD Ryzen 7 PRO 5850U	8	17,499	3,061	15	FP6	Laptop
Apple M1 Pro 8 Core 3200 MHz	8	17,459	3,807	NA	Unknown	Desktop, Laptop
AMD Ryzen 5 5600H	6	17,198	2,982	45	FP6	Laptop
AMD Ryzen 7 4800U	8	17,091	2,604	15	FP6	Laptop
Intel Core i7-1260P	4	17,089	3,194	28	BGA1700	Laptop
Intel Core i7-10700TE @ 2.00GHz	8	16,332	2,772	35	FCLGA1200	Laptop
Intel Core i7-10700E @ 2.90GHz	8	16,257	2,920	65	FCLGA1200	Laptop, Mobile/Embedded
Intel Core i9-10980HK @ 2.40GHz	8	16,253	2,869	45	FCBGA1440	Laptop
Intel Core i5-11500H @ 2.90GHz	6	16,233	3,101	45	FCBGA1787	Laptop
AMD Ryzen 7 5700U	8	16,110	2,619	15	FP6	Laptop
Intel Core i5-11400H @ 2.70GHz	6	16,070	3,063	45	FCBGA1787	Laptop
Intel Xeon W-10885M @ 2.40GHz	8	16,013	2,768	45	FCBGA1440	Laptop, Server
AMD Ryzen 7 4850U Mobile	8	15,920	2,654	15	FP6	Laptop
Intel Core i7-11600H @ 2.90GHz	6	15,907	3,159	45	FCBGA1787	Laptop
Intel Core i5-1235U	2	15,759	3,577	15	BGA1744	Laptop, Mobile/Embedded
Intel Core i9-10885H @ 2.40GHz	8	15,658	2,808	45	FCBGA1440	Laptop
AMD Ryzen 7 PRO 4750U	8	15,511	2,561	15	FP6	Laptop
Intel Core i7-10875H @ 2.30GHz	8	15,407	2,778	45	FCBGA1440	Laptop
AMD Ryzen 5 5600U	6	15,328	2,932	15	FP6	Laptop
Intel Xeon E-2286M @ 2.40GHz	8	15,249	2,778	45	FCBGA1440	Laptop
AMD Ryzen 5 PRO 5650U	6	15,228	2,959	15	FP6	Laptop
Intel Core i5-11260H @ 2.60GHz	6	14,998	2,912	45	FCBGA1787	Laptop
Intel Core i7-10870H @ 2.20GHz	8	14,985	2,726	45	FCBGA1440	Laptop
AMD Ryzen 5 5625U	6	14,956	3,044	15	FP6	Laptop
AMD Ryzen 5 PRO 4400GE	6	14,795	2,664	35	Unknown	Laptop
AMD Ryzen 5 4600HS	6	14,735	2,468	35	FP6	Laptop
Intel Core i9-10880H @ 2.30GHz	8	14,735	2,790	45	FCBGA1440	Laptop
AMD Ryzen 5 4600H	6	14,725	2,461	45	FP6	Laptop
Intel Core i9-9980HK @ 2.40GHz	8	14,712	2,619	45	FCBGA1440	Laptop
Apple M1 8 Core 3200 MHz	8	14,667	3,762	15.1	Unknown	Desktop, Laptop, Mobile/Embedded
Intel Core i7-1280P	6	14,356	3,519	28	FCBGA1744	Laptop

CPU Name Cores CPU Mark - Thread Mark - TDP (W) Socket Category

CPU Benchmarks

AMD Ryzen 5 4600U	6	13,438	2,419	15	FP6	Laptop
AMD Ryzen 5 5500U	6	13,192	2,461	15	FP6	Laptop
Intel Core i3-1215U	2	13,007	3,606	15	FCBGA1744	Laptop
Intel Xeon W-10855M @ 2.80GHz	6	12,955	2,776	45	FCBGA1440	Laptop, Server
AMD Ryzen 5 PRO 4650U	6	12,839	2,456	15	FP6	Laptop
Intel Core i7-1265U	2	12,334	3,422	15	FCBGA1744	Laptop, Mobile/Embedded
Intel Core i7-10750H @ 2.60GHz	6	12,333	2,715	45	FCBGA1440	Laptop
AMD Ryzen 3 PRO 5475U	4	12,266	3,001	15	FP6	Laptop
Intel Core i7-11375H @ 3.30GHz	4	12,247	3,067	35	FCBGA1449	Laptop
Intel Core i7-8700B @ 3.20GHz	6	12,219	2,751	65	FCBGA1440	Laptop
Intel Core i7-10850H @ 2.70GHz	6	12,128	2,744	45	FCBGA1440	Laptop
AMD Ryzen 5 PRO 4500U	6	12,049	2,486	15	FP6	Laptop
Intel Core i7-11370H @ 3.30GHz	4	12,045	3,012	35	FCBGA1449	Laptop
AMD Ryzen 3 5400U	4	11,839	2,893	15	FP6	Laptop
Intel Xeon E-2276M @ 2.80GHz	6	11,818	2,648	45	FCBGA1440	Laptop
Intel Core i5-10500H @ 2.50GHz	6	11,581	2,621	45	FCBGA1440	Laptop
Intel Core i7-9850H @ 2.60GHz	6	11,492	2,551	45	Unknown	Laptop
AMD Ryzen 3 PRO 5450U	4	11,453	2,847	15	FP6	Laptop
Intel Core i7-9750HF @ 2.60GHz	6	11,278	2,518	45	FCBGA1440	Laptop
Intel Core i7-9750H @ 2.60GHz	6	11,197	2,485	45	FCBGA1440	Laptop
Intel Core i7-1185G7E @ 2.80GHz	4	11,114	3,017	15	FCBGA1449	Laptop, Mobile/Embedded
AMD Ryzen 5 4500U	6	11,095	2,454	15	FP6	Laptop
Intel Core i5-11300H @ 3.10GHz	4	10,974	2,824	35	FCBGA1449	Laptop
AMD Ryzen 3 PRO 4200GE	4	10,930	2,540	35	Unknown	Laptop
Intel Xeon E-2176M @ 2.70GHz	6	10,928	2,447	45	FCBGA1440	Laptop
Intel Core i7-1185G7 @ 3.00GHz	4	10,910	2,887	15	BGA1526	Laptop
Intel Core i7-1195G7 @ 2.90GHz	4	10,910	3,066	28	FCBGA1449	Laptop
Intel Xeon E-2186M @ 2.90GHz	6	10,904	2,481	45	FCBGA1440	Laptop
Intel Core i7-9700TE @ 1.80GHz	8	10,826	2,309	35	FCLGA1151-2	Desktop, Laptop
Intel Core i7-11390H @ 3.40GHz	4	10,816	3,049	35	FCBGA1449	Laptop
Intel Core i9-8950HK @ 2.90GHz	6	10,747	2,476	45	FCBGA1440	Laptop
Intel Core i5-11320H @ 3.20GHz	4	10,679	2,926	35	FCBGA1449	Laptop
Intel Core i7-1165G7 @ 2.80GHz	4	10,551	2,868	15	BGA1526	Laptop
Intel Core i7-1160G7 @ 1.20GHz	4	10,462	2,787	NA	FCBGA1598	Laptop
Intel Core i5-1145G7 @ 2.60GHz	4	10,426	2,824	28	FCBGA1449	Laptop
Intel Core i7-8850H @ 2.60GHz	6	10,344	2,400	45	FCBGA1440	Laptop
Intel Core i5-1155G7 @ 2.50GHz	4	10,222	2,946	28	FCBGA1449	Laptop
AMD Ryzen 3 PRO 4450U	4	10,129	2,364	15	FP6	Laptop
Intel Core i5-1135G7 @ 2.40GHz	4	10,097	2,730	15	BGA1526	Laptop
Intel Core i7-1068NG7 @ 2.30GHz	4	10,093	2,484	28	FCBGA1344	Laptop
Intel Core i7-10710U @ 1.10GHz	6	10,092	2,457	15	FCBGA1528	Laptop
Intel Core i7-8750H @ 2.20GHz	6	10,073	2,327	45	FCBGA1440	Laptop
AMD Ryzen 3 5300U	4	10,056	2,397	15	FP6	Laptop
Intel Core i5-10500TE @ 2.30GHz	6	9,960	2,145	35	FCLGA1200	Laptop, Mobile/Embedded
Intel Core i3-1125G4 @ 2.00GHz	4	9,926	2,511	28	FCBGA1449	Laptop
Intel Core i5-1130G7 @ 1.10GHz	4	9,756	2,549	15	BGA 1449	Laptop
AMD Ryzen 3 5425U	4	9,641	2,788	15	FP6	Laptop

CPU Name Cores CPU Mark - Thread Mark - TDP (W) Socket Category

CPU Benchmarks

CPU Name	Cores	CPU Mark	Thread Mark	TDP (W)	Socket	Category
Intel Core i5-9500TE @ 2.20GHz	6	9,212	2,296	35	FCLGA1151-2	Laptop
Intel Core i7-9850HL @ 1.90GHz	6	9,112	2,139	25	FCBGA1440	Desktop, Laptop
Intel Core i5-10400H @ 2.60GHz	4	8,895	2,741	45	FCBGA1440	Laptop
Intel Core i7-8809G @ 3.10GHz	4	8,757	2,458	100	BGA2270	Laptop
Intel Core i7-8559U @ 2.70GHz	4	8,747	2,576	28	FCBGA1528	Laptop
Intel Core i5-10300H @ 2.50GHz	4	8,675	2,614	45	FCBGA1440	Desktop, Laptop
Intel Core i7-1065G7 @ 1.30GHz	4	8,636	2,395	15	FCBGA-1526	Laptop
Intel Core i7-8569U @ 2.80GHz	4	8,523	2,773	28	FCBGA1528	Laptop
AMD Ryzen Embedded V1807B	4	8,488	2,190	45	FP5	Laptop, Mobile/Embedded
Intel Core i5-10200H @ 2.40GHz	4	8,420	2,482	45	FCBGA1440	Laptop
Intel Core i5-1035G7 @ 1.20GHz	4	8,388	2,299	15	FCBGA1526	Laptop
Intel Core i7-8706G @ 3.10GHz	4	8,388	2,543	65	BGA2270	Laptop
Intel Core i5-9400H @ 2.50GHz	4	8,276	2,504	45	FCBGA1440	Laptop
AMD Ryzen 7 3750H	4	8,271	2,104	35	FP5	Laptop
Intel Core i7-8557U @ 1.70GHz	4	8,225	2,571	15	FCBGA1528	Laptop
Intel Core i5-1035G4 @ 1.10GHz	4	8,218	2,276	15	FCBGA1526	Laptop
Intel Core i7-10810U @ 1.10GHz	6	8,211	2,278	15	FCBGA1528	Laptop
Intel Xeon E3-1535M v6 @ 3.10GHz	4	8,184	2,386	35	FCBGA1440	Laptop, Server
Intel Core i5-8259U @ 2.30GHz	4	8,108	2,245	28	FCBGA1528	Laptop
Intel Core i5-8269U @ 2.60GHz	4	8,055	2,561	28	FCBGA1528	Laptop, Mobile/Embedded
Intel Core i5-8400H @ 2.50GHz	4	8,037	2,466	45	FCBGA1440	Laptop
Intel Core i7-8709G @ 3.10GHz	4	7,990	2,291	100	BGA2270	Laptop
AMD Ryzen 5 3550H	4	7,979	2,074	35	FP5	Laptop
Intel Core i5-8279U @ 2.40GHz	4	7,965	2,437	28	FCBGA1528	Laptop
Intel Core i7-8705G @ 3.10GHz	4	7,947	2,288	65	BGA2270	Laptop
Intel Xeon E3-1545M v5 @ 2.90GHz	4	7,930	2,131	45	FCBGA1440	Laptop, Server
AMD Ryzen 5 2600H	4	7,876	2,116	45	FP5	Laptop
Intel Core i5-8260U @ 1.60GHz	4	7,854	2,313	15	FCBGA1528	Laptop
Intel Core i5-9300H @ 2.40GHz	4	7,773	2,345	45	FCBGA1440	Laptop
Intel Core i5-1035G1 @ 1.00GHz	4	7,707	2,304	15	FCBGA1526	Laptop
Intel Core i7-5950HQ @ 2.90GHz	4	7,696	2,288	47	FCBGA1364	Laptop
Intel Core i5-8257U @ 1.40GHz	4	7,681	2,315	15	FCBGA1528	Laptop
Intel Core i7-7820HK @ 2.90GHz	4	7,679	2,177	45	FCBGA1440	Laptop
Intel Core i5-9300HF @ 2.40GHz	4	7,667	2,360	45	FCBGA1440	Laptop
AMD Ryzen 7 2800H	4	7,656	2,164	45	FP5	Laptop
AMD Ryzen 7 3780U	4	7,651	2,227	15	FP5	Laptop
AMD Ryzen 3 4300U	4	7,573	2,325	15	FP6	Laptop
Intel Core i5-8300H @ 2.30GHz	4	7,539	2,310	45	FCLGA1151-2	Laptop
AMD Ryzen 5 3580U	4	7,520	2,048	15	FP5	Laptop
Intel Xeon E3-1535M v5 @ 2.90GHz	4	7,515	2,125	45	FCBGA1440	Laptop, Server
Intel Core i7-7920HQ @ 3.10GHz	4	7,490	2,224	45	FCBGA1440	Laptop
Intel Core i7-7820EQ @ 3.00GHz	4	7,453	2,207	45	FCBGA1440	Laptop
Intel Core i3-10100T @ 3.00GHz	4	7,407	2,320	35	FCLGA1200	Laptop
Intel Core i7-6920HQ @ 2.90GHz	4	7,378	2,119	45	FCBGA1440	Laptop
AMD Ryzen 7 PRO 2700U	4	7,372	2,051	15	FP5	Laptop