

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

New Desktop CPU Performance

This chart comparing performance of CPUs designed for desktop machines is made using thousands of [PerformanceTest](#) benchmark results and is updated daily.

Notes:

- While we try to keep this chart mainly server and laptop CPU free, there might be some rogue processors in the list.
- The chart shows only CPUs that had their benchmark first submitted within the last 36 months. Older desktop CPUs may not appear.

	CPU Mark	Price Performance	Sorted by Date
PassMark - CPU Mark			
Desktop CPU Performance			
Updated 22nd of March 2024			
	CPU	CPU Mark	Price (USD)
CPUS	AMD Ryzen Threadripper PRO 7995WX	153,592	\$9,999.00*
High End	AMD Ryzen Threadripper 7980X	137,276	NA
High Mid Range	AMD Ryzen Threadripper PRO 7985WX	136,472	NA
Low Mid Range	AMD Ryzen Threadripper 7970X	96,356	NA
Low End	AMD Ryzen Threadripper PRO 7975WX	93,978	NA
Best Value (On Market)	AMD Ryzen Threadripper PRO 5995WX	92,987	\$5,699.99
Best Value XY Scatter	AMD Ryzen Threadripper PRO 7965WX	83,812	NA
Best Value (All time)	AMD Ryzen Threadripper 7960X	82,689	NA
New Desktop	AMD Ryzen Threadripper PRO 5975WX	75,873	\$2,699.99
New Laptop	AMD Ryzen 9 7950X	62,979	\$540.99
Single Thread	AMD Ryzen 9 7950X3D	62,600	\$661.08
Systems with Multiple CPUs	Intel Core i9-13900KS	61,861	\$999.99
Overclocked	AMD Ryzen Threadripper PRO 7955WX	61,073	NA
Power Performance	Intel Core i9-14900K	61,066	\$589.00*
CPU Mark by Socket Type	Intel Core i9-14900KF	60,189	NA
Cross-Platform CPU Performance	Intel Core i9-13900K	59,395	\$569.97
Top Gaming CPUs	Intel Core i9-13900KF	58,656	\$546.49
CPU Mega List Search Model	Intel Core i7-14700K	53,767	\$409.00*
	Intel Core i7-14700KF	53,490	\$384.00*
	Intel Core i9-14900F	53,486	\$524.00*
	AMD Ryzen 9 7900X	51,966	\$409.00
	Intel Core i9-13900F	51,806	\$526.03
Compare ⁰	AMD Ryzen Threadripper PRO 7945WX	50,670	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
AMD Ryzen 5 7500F							26,946	NA
Intel Core i5-14400							26,761	\$221.00*
Intel Xeon W-3323 @ 3.50GHz							25,875	\$949.00*
Intel Core i5-13600T							25,834	\$255.00*
Intel Core i5-14400F							25,705	\$196.00*
Intel Xeon W-1390P @ 3.50GHz							25,451	NA
Intel Core i9-11900KF @ 3.50GHz							25,268	\$415.99
Intel Core i5-13400F							25,257	\$164.99
AMD Ryzen 5 8600G							25,151	NA
Intel Core i5-13400							24,960	\$228.26
AMD Ryzen 7 5700G							24,613	\$167.86
Intel Xeon W-1370P @ 3.60GHz							24,540	\$508.99
AMD Ryzen 7 PRO 5750G							24,465	NA
AMD Ryzen 7 5700							24,207	NA
Intel Core i7-11700KF @ 3.60GHz							24,035	\$262.99
Intel Core i5-13500T							23,507	\$232.00*
Intel Xeon W-1370 @ 2.90GHz							23,449	\$468.99
Intel Core i5-14500T							23,439	\$232.00*
Intel Core i9-11900 @ 2.50GHz							22,956	\$419.99
Intel Core i9-11900KB @ 3.30GHz							22,901	\$539.00*
Intel Core i7-11700B @ 3.20GHz							22,851	NA
Intel Core i9-11900F @ 2.50GHz							22,599	\$418.99
AMD Ryzen 7 5700GE							22,196	NA
AMD Ryzen 5 5600X3D							22,105	NA
AMD Ryzen Threadripper 1920							22,066	NA
AMD Ryzen 7 PRO 5750GE							22,037	NA
Apple M1 Max 10 Core 3200 MHz							22,009	NA
AMD Ryzen 5 PRO 5645							21,904	NA
AMD Ryzen 5 8500G							21,871	NA
Apple M1 Pro 10 Core 3200 MHz							21,787	NA
Intel Core i7-12700T							21,613	\$339.00*
AMD Ryzen 5 5600							21,574	\$119.99
Apple M2 Pro 10 Core 3480 MHz							21,541	NA
Intel Core i5-12600							21,304	\$260.00
Intel Core i7-11700F @ 2.50GHz							21,073	\$225.99
Intel Core i5-13400T							20,880	\$221.00*
AMD Ryzen 5 PRO 5650G							20,814	NA
Intel Core i5-12490F							20,526	\$181.99
AMD Ryzen 5 5500GT							20,443	NA
Intel Core i5-12500							19,922	\$202.00*
AMD Ryzen 5 5600G							19,902	\$121.80
Intel Core i5-11600KF @ 3.90GHz							19,669	\$214.82
Intel Core i5-11600K @ 3.90GHz							19,650	\$178.48
Intel Core i9-10900E @ 2.80GHz							19,595	\$444.00*
Intel Core i5-12400F							19,548	\$149.99
AMD Ryzen 5 5500							19,465	\$84.99
Intel Core i5-12400							19,429	\$192.00*
AMD Ryzen 5 5600GT							19,088	NA
Intel Core i9-11900T @ 1.50GHz							18,968	\$439.00*
Apple M3 8 Core							18,947	NA
AMD Ryzen 5 5600GE							18,721	NA
AMD Ryzen 5 PRO 5650GE							18,408	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
Intel Core i5-11600 @ 2.80GHz							18,111	\$247.99
AMD 4700S							18,104	NA
Apple M1 Pro 8 Core 3200 MHz							17,125	NA
Intel Core i5-11400F @ 2.60GHz							17,114	\$119.99
Intel Core i5-11400 @ 2.60GHz							17,082	\$139.40
Intel Core i5-12500T							16,595	\$202.00*
AMD Ryzen 5 PRO 4655G							16,355	NA
Intel Core i5-12400T							16,225	\$149.99
AMD Ryzen 5 4500							16,141	\$75.09
Intel Core i7-11700T @ 1.40GHz							15,831	\$323.00*
Intel Core i3-14100							15,391	NA
Apple M2 8 Core 3500 MHz							15,391	NA
Intel Core i3-14100F							15,300	\$109.00*
Intel Core i3-13100							14,721	\$128.67
Intel Core i5-11600T @ 1.70GHz							14,713	\$213.00*
Intel Core i3-12300							14,695	\$143.00*
Intel Core i3-13100F							14,663	\$110.99
Intel Xeon W-1250P @ 4.10GHz							14,440	\$321.50*
AMD Ryzen 5 PRO 4655GE							14,436	NA
Intel Core i3-12100F							14,162	\$136.99
AMD Ryzen 3 PRO 5350G							13,864	NA
Intel Core i5-11400T @ 1.30GHz							13,593	\$182.00*
Intel Core i3-12100							13,533	\$122.00*
AMD Ryzen 3 PRO 5350GE							13,448	NA
AMD Ryzen 3 5300GE							13,299	NA
Intel Core i3-12300T							13,251	\$157.00*
Intel Core i3-13100T							13,210	\$134.00*
Intel Core i5-11500T @ 1.50GHz							13,053	\$192.00*
AMD Ryzen 3 5300G							12,890	NA
Intel Core i3-12100T							12,670	\$122.00*
Intel Core i5-10505 @ 3.20GHz							12,235	NA
Intel Core i3-11100B @ 3.60GHz							11,357	NA
AMD Ryzen 3 4100							11,072	\$64.99
AMD Ryzen 3 PRO 4355GE							10,559	NA
Intel Core i3-10325 @ 3.90GHz							10,268	\$190.10*
Intel Core i3-10305 @ 3.80GHz							9,115	\$167.11
Intel Core i3-10105 @ 3.70GHz							8,577	\$104.70
Intel Core i3-10100E @ 3.20GHz							8,365	\$125.00*
Intel Core i3-10305T @ 3.00GHz							8,136	\$143.00*
Intel Core i3-10105T @ 3.00GHz							8,024	\$122.00*
Intel 300							7,142	\$82.00*
AMD Athlon Gold 3150G							7,112	NA
Intel Pentium Gold G7400							6,776	\$89.99
Intel Pentium Gold G7400T							5,688	\$64.00*
Intel Celeron G6900							4,551	\$79.90
Intel Pentium Gold G6605 @ 4.30GHz							4,507	\$145.08*
AMD Athlon 320GE							4,388	NA
Intel Pentium Gold G6505 @ 4.20GHz							4,371	\$75.00*
Intel Pentium Gold G6405 @ 4.10GHz							4,252	\$71.90
Intel Celeron N5095A @ 2.00GHz							4,129	NA
Intel Celeron N5095 @ 2.00GHz							4,103	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
Intel Celeron G6900T							4,003	\$42.00*
Intel Core i5-4470 @ 3.30GHz							3,971	NA
							3,998	\$90.00*
							3,601	NA
							3,588	\$64.00*
							2,841	\$44.87
							2,620	\$42.00*
							2,567	NA
							2,278	NA
							2,157	NA
							2,154	\$42.00*
							1,295	NA

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