

## 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 24 months. Older desktop CPUs may not appear.

CPU Mark	Price Performance
Sorted by Date	








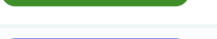

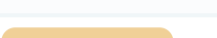











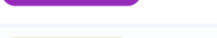
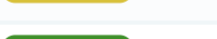










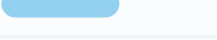

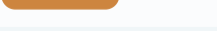
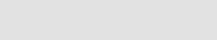
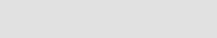
## PassMark - CPU Mark



Desktop CPU Performance  
Updated 30th of October 2024

CPU	CPU Mark	Price (USD)
AMD Ryzen Threadripper PRO 7995WX	153,038	\$9,999.00
AMD Ryzen Threadripper PRO 7985WX	135,433	\$7,349.00
AMD Ryzen Threadripper 7980X	134,223	\$4,801.98
AMD Ryzen Threadripper 7970X	98,111	\$2,249.99
AMD Ryzen Threadripper PRO 7975WX	95,664	\$3,899.00
AMD Ryzen Threadripper 7960X	83,062	\$1,538.97
AMD Ryzen Threadripper PRO 7965WX	80,435	\$2,549.00
AMD Ryzen 9 9950X	66,284	\$662.98
Intel Core Ultra 9 285K	65,873	\$629.99
AMD Ryzen 9 7950X3D	62,500	\$597.99
Intel Core i9-14900KS	62,465	\$629.99
Intel Core i9-13900KS	61,588	\$502.00
Intel Core i9-14900K	60,220	\$439.95
Intel Core Ultra 7 265K	60,140	\$399.98
AMD Ryzen Threadripper PRO 7955WX	59,861	NA
Intel Core i9-14900KF	59,412	\$584.32
AMD Ryzen 9 9900X	54,860	\$412.37
Intel Core i7-14700KF	53,479	\$392.99
AMD Ryzen 9 7940HX	53,399	NA







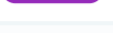

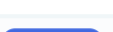
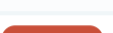












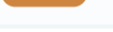
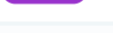

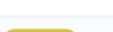

















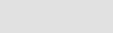
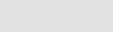
AMD Ryzen 9 7900X3D		50,402	\$549.00
Apple M2 Ultra 24 Core		50,278	NA

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AMD Ryzen 9 7900		48,851	\$367.97
Intel Core i9-14900		48,032	\$578.99
AMD Ryzen 9 PRO 7945		47,830	NA
Intel Core i9-14900F		47,100	\$563.49
Intel Core i9-13900		47,066	\$542.60
Intel Core i7-13790F		46,309	\$457.00
AMD Ryzen 9 5900XT		44,576	\$309.00
Intel Core i9-13900T		44,179	\$549.00*
Intel Core i7-14700F		43,697	\$318.29
Intel Core i7-14700		43,161	\$329.93
Intel Core Ultra 5 245K		42,561	\$319.00
Intel Core i9-14900T		39,300	\$549.00*
Intel Core i5-14600KF		39,279	\$228.95
Intel Core i5-14600K		39,014	\$259.99
Intel Core i7-13700F		38,902	\$297.60
AMD Ryzen 7 9700X		37,399	\$324.74
AMD Ryzen 7 7840HX		36,191	NA
AMD Ryzen AI 9 HX 370		35,081	NA
AMD Ryzen 7 PRO 7745		34,652	NA
AMD Ryzen 7 7700		34,621	\$280.00
AMD Ryzen 7 7800X3D		34,273	\$429.00
Intel Core i5-14600		33,689	\$255.00*
AMD Ryzen AI 9 HX 375		32,843	NA
Intel Core i5-14500		32,256	\$239.99
Intel Core i5-13600		32,042	\$255.00*
AMD Ryzen 7 PRO 8700G		31,897	NA
AMD Ryzen 7 8700G		31,799	\$278.98
Intel Core i7-14700T		31,497	\$384.00*
AMD Ryzen 7 8700F		30,977	\$219.99
AMD Ryzen 9 PRO 8945HS		30,951	NA
AMD Ryzen 5 9600X		30,089	\$249.00
AMD Ryzen 9 8945H		29,965	NA
AMD Ryzen 7 5800XT		29,849	\$209.99
AMD Ryzen 9 8945HS		29,445	NA
AMD Ryzen AI 9 365		29,225	NA
AMD Ryzen 7 PRO 8845HS		29,199	NA
AMD Ryzen 7 8845HS		28,926	NA
Intel Core i5-14490F		28,662	NA
AMD Ryzen 7 8845H		27,731	NA
AMD Ryzen 7 PRO 8700GE		27,646	NA
Intel Core i5-13490F		27,559	\$194.99
Intel Core i7-13700T		27,439	\$384.00*
AMD Ryzen 5 7600		27,095	\$197.97
AMD Ryzen 5 7500F		26,949	NA
Intel Core i5-13600T		26,912	\$255.00*

AMD Ryzen 5 7600X3D		26,074	\$384.99
Intel Core i5-14400F		25,773	\$176.64

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AMD Ryzen 5 8600G		25,395	\$169.72
AMD Ryzen 5 PRO 8600G		25,288	NA
Intel Core i5-13400F		25,179	\$191.84
Intel Core i5-14600T		25,110	\$255.00*
Intel Core i5-14400T		24,598	\$221.00*
AMD Ryzen 7 8840HS		24,445	NA
Intel Core i5-14500T		24,372	\$232.00*
AMD Ryzen 5 PRO 8600GE		24,262	NA
AMD Ryzen 7 8840U		23,844	NA
AMD Ryzen 7 7435HS		23,816	NA
AMD Ryzen 7 PRO 8840U		23,772	NA
AMD Ryzen 5 8400F		23,635	\$140.00
Intel Core i5-13500T		23,220	\$232.00*
AMD Ryzen 5 8645HS		22,733	NA
AMD Ryzen 5 PRO 8500G		22,362	NA
AMD Ryzen 5 PRO 8500GE		22,195	NA
AMD Ryzen 5 PRO 8640HS		22,041	NA
AMD Ryzen 5 5600X3D		21,953	NA
AMD Ryzen 5 8500G		21,755	\$149.00
Apple M2 Pro 10 Core 3480 MHz		21,726	NA
AMD Ryzen 5 PRO 7640U		21,287	NA
AMD Ryzen 5 8500GE		21,042	NA
AMD Ryzen 5 8640U		20,971	NA
Intel Core i5-13400T		20,489	\$221.00*
AMD Ryzen 5 5600GT		20,320	\$120.00
AMD Ryzen 5 5500GT		20,241	\$115.00
AMD Ryzen 5 8640HS		19,256	NA
Apple M3 8 Core		19,201	NA
AMD Ryzen 5 PRO 5655GE		18,734	NA
AMD Ryzen 5 PRO 8540U		18,532	NA
AMD Ryzen 5 8540U		18,433	NA
AMD Ryzen 5 4400G		17,160	NA
Intel Core i9-9900B @ 3.10GHz		16,660	NA
AMD Ryzen 5 PRO 4655G		16,355	NA
AMD Ryzen Embedded V2546		16,236	NA
Intel Core i3-14100F		15,278	\$90.48
Intel Core i3-14100		15,050	\$127.00
AMD Ryzen 3 PRO 8300GE		14,753	NA
Intel Core i3-13100F		14,621	\$79.99
AMD Ryzen 3 PRO 8300G		14,572	NA
AMD Ryzen 5 PRO 4655GE		14,436	NA
AMD Ryzen 3 8300GE		13,846	NA
Intel Core i3-14100T		13,727	\$134.00*
Intel Core i3-13100		13,429	\$121.60
Intel Core i3-13100T		13,099	\$134.00*

AMD Ryzen 3 PRO 7335U		<a href="#">12,440</a>	<a href="#">NA</a>
AMD Rvzen 3 7335U		<a href="#">12,356</a>	<a href="#">NA</a>
<b>🏠 CPU Benchmarks</b> ▼			
Hygon C86 3250 8-core		<a href="#">11,476</a>	<a href="#">NA</a>
AMD Ryzen 3 PRO 4355GE		<a href="#">10,559</a>	<a href="#">NA</a>
Hygon C86 3185 8-core		<a href="#">9,243</a>	<a href="#">NA</a>
Intel 300		<a href="#">7,160</a>	<a href="#">\$82.00*</a>
CentaurHauls @2000MHz		<a href="#">6,549</a>	<a href="#">NA</a>
AMD Athlon X4 970		<a href="#">3,811</a>	<a href="#">NA</a>
Intel Pentium Gold G6505T @ 3.60GHz		<a href="#">3,698</a>	<a href="#">\$90.00*</a>
AMD A8-7690K		<a href="#">2,157</a>	<a href="#">NA</a>
ZHAOXIN KaiXian KX-6640MA@2.1+GHz		<a href="#">1,597</a>	<a href="#">NA</a>
ZHAOXIN Z3-6540M@2.1+GHz		<a href="#">1,378</a>	<a href="#">NA</a>

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