ComX Computers
Product Specification Sheet

CP-AY9600X+G

AMD Ryzen 5 9600X 3.9 GHz 6-Core 12-Thread AM5 Socket Processor

Product Overview

AMD Ryzen 5 9600X 6-Core 12-Thread Processor, 3.9 GHz Base Clock, 5.4 GHz Boost Clock, 32MB L3 Cache, AM5 Socket, 65W TDP, Dual-Channel DDR5 Support, PCIe 5.0, Radeon Graphics, No Cooler Included



Specifications

Specifications:

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Specifications	
Product Code	CP-AY9600X+G
General Details	
Name	AMD Ryzen 5 9600X
Family	Ryzen
Series	Ryzen 9000 Series
Form Factor	Desktops, Boxed Processor
Market Segment	Enthusiast Desktop
AMD PRO Technologies	No
Regional Availability	Global
Former Codename	Granite Ridge AM5
Architecture	Zen 5
# of CPU Cores	6
Multithreading (SMT)	Yes
# of Threads	12

Max. Boost Clock	Up to 5.4 GHz
Base Clock	3.9 GHz
L1 Cache	480 KB
L2 Cache	6 MB
L3 Cache	32 MB
Default TDP	65W
Processor Technology for CPU Cores	TSMC 4nm FinFET
Processor Technology for I/O Die	TSMC 6nm FinFET
Package Die Count	2
Unlocked for Overclocking	Yes
AMD EXPO Memory Overclocking Technology	Yes
Precision Boost Overdrive	Yes
Curve Optimizer Voltage Offsets	Yes
AMD Ryzen Master Support	Yes
CPU Socket	AM5
Supporting Chipsets	A620, X670E, X670, B650E, B650, X870E, X870, B840, B850
CPU Boost Technology	Precision Boost 2
Instruction Set	x86-64
Supported Extensions	AES, AMD-V, AVX, AVX2, AVX512, FMA3, MMX-plus, SHA, SSE, SSE2, SSE3, SSE4.1, SSE4.2, SSE4A, SSSE3, x86-64
Thermal Solution (PIB)	Not Included
Recommended Cooler	Premium air cooler recommended for optimal performance
Max. Operating Temperature (Tjmax)	95 degreesC
***OS Support**	Windows 11 - 64-Bit Edition, Windows 10 - 64-Bit Edition, RHEL x86 64-Bit, Ubuntu x86 64-Bit
Connectivity	
Native USB 3.2 Gen 2 (10Gbps)	4
Native USB 2.0 (480Mbps)	1
PCI Express Version	PCIe 5.0
Native PCIe Lanes (Total/Usable)	28, 24

Additional Usable PCIe Lanes from Motherboard	X870E
	8x Gen4
	X870
	4x Gen4
	X670E
	12x Gen4
	X670
	12x Gen4
	B650E
	8x Gen4
	B650
	8x Gen4
NVMe Support	Boot, RAID0, RAID1, RAID5, RAID10
System Memory Type	DDR5
Memory Channels	2
Max. Memory	192 GB
System Memory Subtype	UDIMM
Max Memory Speed	2x1R
	DDR5-5600
	2x2R
	DDR5-5600
	4x1R
	DDR5-3600
	4x2R
	DDR5-3600
ECC Support	Yes (Requires mobo support)
Graphics Capabilities	
Graphics Model	AMD Radeon Graphics
Graphics Core Count	2
Graphics Frequency	2200 MHz
USB Type-C DisplayPort Alternate Mode	Yes
Key Features	
Supported Technologies	AMD EXPO Technology, AMD Ryzen Technologies

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx.co.za/CP-AY9600X-G-AMD-Ryzen-5-9600X-3-9-GHz-6-Core-12-Thread-AM5-Socket-Processor-p-320977.php

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