ComX Computers
Product Specification Sheet

100-100001404WOF

AMD Zen 5 Ryzen 7 9700X 8-core 3.8GHz up to 5.5GHz 32MB Cache AM5 CPU

Product Overview

AMD Zen 5 Ryzen 7 9700X 8-core 3.8GHz up to 5.5GHz 32MB Cache AM5 CPU, 8 Cores / 16 threads, PCI-e 5.0 and DDR5 support, Granite Ridge AM5 former codename, Zen 5 Architecture, 640 KB L1 Cache, 8 MB L2 Cache, 32 MB L3 Cache, 65W Default TDP, TSMC 4nm FinFET for CPU Cores, TSMC 6nm FinFET for I/O die, AM5 CPU Socket, AMD Radeon Graphics intergrated, No Heatsink and fan



Specifications

Specifications:

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Specifications	
Product Code	100-100001404WOF
General Specifications	
Name	AMD Ryzen 7 9700X
Family	Ryzen
Series	Ryzen 9000 Series
Form Factor	Desktops , Boxed Processor
Market Segment	Enthusiast Desktop
AMD PRO Technologies	No
Consumer Use	Yes
Regional Availability	Global
Former Codename	Granite Ridge AM5
Architecture	Zen 5
# of CPU Cores	8

Multithreading (SMT)	Yes
# of Threads	16
Max. Boost Clock	Up to 5.5 GHz
Base Clock	3.8 GHz
L1 Cache	640 KB
L2 Cache	8 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
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
Launch Date	08/08/2024
***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) Ports	4
Native USB 2.0 (480Mbps) Ports	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
Product ID Boxed	100-100001404WOF
Product ID Tray	100-000001404
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/100-100001404WOF-AMD-Zen-5-Ryzen-7-9700X-8-core-3-8GHz-up-to-5-5GHz-32MB-Cache-AM5-p-320330.php

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