ComX Computers
Product Specification Sheet

100-100001368WOF

AMD Ryzen 9 9900X3D Zen5 12-core up to 5.5GHz 128 MB L3 Cache AM5 Processor

Product Overview

AMD Ryzen 9 9900X3D Zen5 12-core up to 5.5GHz 128 MB L3 Cache AM5 Processor, Granite Ridge AM5 former codename, Zen 5 Architecture, 12 CPU Cores, 24 threads, 960 KB L1 Cache, 12 MB L2 Cache, 128 MB L3 Cache, 120W Default TDP, 2nd Gen AMD 3D V-Cache Technology, No intergrated Graphics, No Heatsink and fan



Specifications

Overview:

AMD Ryzen 9 9900X3D Gaming and Content Creation Processor

A powerful desktop CPU, with 2nd gen AMD 3D V-Cache Technology for you to enjoy extreme performance for gaming, creating, streaming or any workload you choose.

Specifications:

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Specifications	
Product Code	100-100001368WOF
General Specifications	
Name	AMD Ryzen 9 9900X3D
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	12
Multithreading (SMT)	Yes
# of Threads	24
Max. Boost Clock	Up to 5.5 GHz
Base Clock	4.4 GHz
L1 Cache	960 KB
L2 Cache	12 MB
L3 Cache	128 MB
Default TDP	120W
Processor Technology for CPU Cores	TSMC 4nm FinFET
Processor Technology for I/O Die	TSMC 6nm FinFET
Package Die Count	3
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 , AVX512 , AVX2 , AVX , FMA3 , MMX-plus , SHA , SSE2 , SSE4.2 , SSE4A , SSE4.1 , SSE3 , SSSE3 , SSE , x86-64
Thermal Solution (PIB)	Not Included
Recommended Cooler	Liquid cooler recommended for optimal performance
Max. Operating Temperature (Tjmax)	95 degreesC
Launch Date	03/12/2025
***OS Support**	Windows 11 - 64-Bit Edition , Windows 10 - 64-Bit Edition , RHEL x86 64-Bit , Ubuntu x86 64-Bit
Connectivity	
Native USB 4 (40Gbps)	4
Native USB 3.2 Gen 1 (5Gbps)	1
PCI Express Version	PCIe 5.0
Native PCIe Lanes (Total/Usable)	28 , 24

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 IDs	
Product ID Boxed	100-100001368WOF
Product ID Tray	100-000001368
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/100-100001368WOF-AMD-Ryzen-9-9900X3D-Zen5-12-core-up-to-5-5GHz-128-MB-L3-Cache-AM5-p-320487.php

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