

100-100001581WOF

AMD Ryzen 9 5900XT 16 Core Socket AM4 3.3GHz up to 4.8GHz 64MB L3 Cache Zen 3 Processor

Product Overview

AMD Ryzen 9 5900XT 16 Core Socket AM4 3.3GHz up to 4.8GHz 64MB L3 Cache Zen 3 Processor, Ryzen 5000 Series, 16 CPU Cores, 32 threads, 1024 KB L1 Cache, 8 MB L2 Cache, 64 MB L3 Cache, 105W Default TDP, TSMC 7nm FinFET CPU Cores, No intergrated Graphics, No Heatsink and fan



Specifications

Specifications:

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Specifications	
Product Code	100-100001581WOF
General Specifications	
Name	AMD Ryzen 9 5900XT
Family	Ryzen
Series	Ryzen 5000 Series
Form Factor	Boxed Processor , Desktops
Market Segment	Enthusiast Desktop
Consumer Use	Yes
Commercial Use	No
Regional Availability	Global
Former Codename	Vermeer
Architecture	Zen 3
# of CPU Cores	16
Multithreading (SMT)	Yes

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Product Specification Sheet

# of Threads	32
Max. Boost Clock	Up to 4.8 GHz
Base Clock	3.3 GHz
L1 Cache	1024 KB
L2 Cache	8 MB
L3 Cache	64 MB
Default TDP	105W
Processor Technology for CPU Cores	TSMC 7nm FinFET
Processor Technology for I/O Die	12nm (Globalfoundries)
CPU Compute Die (CCD) Size	74mm ²
I/O Die (IOD) Size	125mm ²
Package Die Count	3
Unlocked for Overclocking	Yes
CPU Socket	AM4
Supporting Chipsets	X570 , B550 , A520 , X470 , B450
CPU Boost Technology	Precision Boost 2
Instruction Set	x86-64
Supported Extensions	AES , AMD-V , AVX , AVX2 , FMA3 , MMX-plus , SHA , SSE , SSE2 , SSE3 , SSE4.1 , SSE4.2 , SSE4A , SSSE3 , x86-64
Thermal Solution (PIB)	Not Included
Max. Operating Temperature (Tjmax)	90 degreesC
Launch Date	07/31/2024
*OS Support	Windows 11 - 64-Bit Edition , Windows 10 - 64-Bit Edition , RHEL x86 64-Bit , Ubuntu x86 64-Bit
Native USB 3.2 Gen 2 (10Gbps) Ports	4
Native USB 3.2 Gen 1 (5Gbps) Ports	0
Native USB 2.0 (480Mbps) Ports	0
Native SATA Ports	2
PCI Express Version	PCIe 4.0
Native PCIe Lanes (Total/Usable)	24 , 20
Additional Usable PCIe Lanes from Motherboard	amd_x570
	16x Gen 4
	amd_x470
	2x Gen 3, 8x Gen 2
NVMe Support	Boot , RAID0 , RAID1 , RAID10

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Product Specification Sheet

System Memory Type	DDR4
Memory Channels	2
Max. Memory	128 GB
System Memory Subtype	UDIMM
Max Memory Speed	2x1R
	DDR4-3200
	2x2R
	DDR4-3200
	4x1R
	DDR4-2933
	4x2R
	DDR4-2667
ECC Support	Yes (Requires mobo support)
Graphics Model	Discrete Graphics Card Required
Product ID Boxed	100-100001581WOF , 100-100001581WOZ
Product ID Tray	100-000001581
Supported Technologies	AMD Zen 3 Core Architecture , AMD StoreMI Technology , AMD Ryzen Master Utility , AMD Ryzen VR-Ready Premium

Product Information Online

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

Product page:

<https://www.comx-computers.co.za/100-100001581WOF-AMD-Ryzen-9-5900XT-16-Core-Socket-Buy-p-305470.php>

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