

# AMD Ryzen™ 7 5700X

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
PRODUCT IDS

KEY FEATURES

## General Specifications

Platform:	Desktop
Market Segment:	Enthusiast Desktop
Product Family:	AMD Ryzen™ Processors
Product Line:	AMD Ryzen™ 7 Desktop Processors
Consumer Use:	Yes
Regional Availability:	Global, China, NA, EMEA, APJ, LATAM
Former Codename:	"Vermeer"
Architecture:	"Zen 3"
# of CPU Cores:	8
Multithreading (SMT):	Yes
# of Threads:	16
Max. Boost Clock:	Up to 4.6GHz
Base Clock:	3.4GHz
L1 Cache:	512KB
L2 Cache:	4MB
L3 Cache:	32MB
Default TDP:	65W

Processor Technology for CPU Cores:TSMC 7nm FinFET

<b>Processor Technology for I/O Die:</b>	12nm (Globalfoundries)
<b>CPU Compute Die (CCD) Size:</b>	74mm <sup>2</sup>
<b>I/O Die (IOD) Size:</b>	125mm <sup>2</sup>
<b>Package Die Count:</b>	2
<b>Unlocked for Overclocking :</b>	Yes
<b>CPU Socket:</b>	AM4
<b>Socket Count:</b>	1P
<b>Supporting Chipsets:</b>	X570 X470 X370 B550 B450 B350 A520
<b>CPU Boost Technology:</b>	Precision Boost 2
<b>Instruction Set:</b>	x86-64
<b>Supported Extensions:</b>	AES, AMD-V, AVX, AVX2, FMA3, MMX(+), SHA, SSE, SSE2, SSE3, SSE4.1, SSE4.2, SSE4A, SSSE3, x86-64
<b>Thermal Solution (PIB):</b>	Not included
<b>Max. Operating Temperature (Tjmax):</b>	90°C
<b>Launch Date:</b>	4/4/2022
<b>*OS Support:</b>	Windows 11 - 64-Bit Edition Windows 10 - 64-Bit Edition RHEL x86 64-Bit Ubuntu x86 64-Bit *Operating System (OS) support will vary by manufacturer.

## Connectivity

<b>USB Type-C® Support:</b>	Yes
<b>Native USB 3.2 Gen 2 (10Gbps) Ports:</b>	4
<b>Native USB 3.2 Gen 1 (5Gbps) Ports:</b>	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 AMD X470 AMD X470	16x Gen 4 2x Gen 3 8x Gen 2
NVMe Support:	Boot, RAID0, RAID1, RAID10	
System Memory Type:	DDR4	
Memory Channels:	2	
Max. Memory:	128GB	
System Memory Subtype:	UDIMM	
System Memory Specification:	Up to 3200MHz	
Max Memory Speed:	2x1R 2x2R 4x1R 4x2R	DDR4-3200 DDR4-3200 DDR4-2933 DDR4-2667
ECC Support:	Yes (Requires mobo support)	

## Graphics Capabilities

Integrated Graphics:	No
Graphics Model:	Discrete Graphics Card Required

## Product IDs

Product ID Boxed:	100-100000926WOF
Product ID Tray:	100-000000926

## Key Features

Supported Technologies:	AMD StoreMI Technology
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