

AMD Ryzen™ 7 5700X3D

GENERAL SPECIFICATIONS

General Specifications

CONNECTIVITY

Platform: Boxed Processor

GRAPHICS CAPABILITIES

Market Segment: Enthusiast Desktop

PRODUCT IDS

Product Family: AMD Ryzen™ Processors

KEY FEATURES

Product Line: AMD Ryzen™ 7 Desktop Processors

Consumer Use: Yes

Commercial Use: No

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 Clock¹: Up to 4.1GHz

Base Clock: 3.0GHz

L1 Cache: 512KB

L2 Cache: 4MB

L3 Cache: 96MB

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:	2
CPU Socket:	AM4
Socket Count:	1P
Supporting Chipsets:	X570 X470 B550 B450 A520
CPU Boost Technology:	Precision Boost 2
Instruction Set:	x86-64
Supported Extensions:	AES, AMD-V, AVX, AVX2, FMA3, MMX(+), SHA, SSE, SSE2, SSE3, SSE4.1, SSE4.2, SSE4A, SSSE3, x86-64
Thermal Solution (PIB):	Not Included
Max. Operating Temperature (Tjmax):	90°C
Launch Date:	1/8/2024
*OS Support:	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.