

AMD Ryzen™ 5 5500

GENERAL SPECIFICATIONS

General Specifications

CONNECTIVITY

Platform: Desktop

GRAPHICS CAPABILITIES

Market Segment: Mainstream Desktop

PRODUCT IDS

Product Family: AMD Ryzen™ Processors

KEY FEATURES

Product Line: AMD Ryzen™ 5 Desktop Processors

Consumer Use: Yes

Regional Availability: Global, China, NA, EMEA, APJ, LATAM

Former Codename: "Cezanne"

Architecture: "Zen 3"

of CPU Cores: 6

Multithreading (SMT): Yes

of Threads: 12

Max. Boost Clock¹: Up to 4.2GHz

Base Clock: 3.6GHz

L1 Cache: 384KB

L2 Cache: 3MB

L3 Cache: 16MB

Default TDP: 65W

Processor Technology for CPU TSMC 7nm FinFET**Cores:**

CPU Compute Die (CCD) Size: 180mm²

Package Die Count: 1

Unlocked for Overclockingⁱ: Yes

CPU Socket: AM4

Socket Count: 1P

Supporting Chipsets: X570
X470
X370
B550
B450
B350
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): AMD Wraith Stealth

Max. Operating Temperature (Tjmax): 90°C

Launch Date: 4/4/2022

***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.

Connectivity

USB Type-C® Support:	Yes	
Native USB 4 (40Gbps) Ports:	0	
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 3.0	
Native PCIe® Lanes (Total/Usable):	24 / 20	
Additional Usable PCIe Lanes from Motherboard:	AMD X570	16x Gen 3
	AMD X470	2x Gen 3
	AMD X470	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 3200MT/s	
Max Memory Speed:	2x1R	DDR4-3200
	2x2R	DDR4-3200
	4x1R	DDR4-2933
	4x2R	DDR4-2667
ECC Support:	No	

Graphics Capabilities

Integrated Graphics: No

Graphics Model: Discrete Graphics Card Required

Product IDs

Product ID Boxed: 100-100000457BOX

Product ID Tray: 100-000000457

Key Features

Supported Technologies: AMD StoreMI Technology
AMD Ryzen™ VR-Ready
Premium

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