

AMD Ryzen™ 5 5500

GENERAL SPECIFICATIONS	General Specifications	
	Platform:	Desktop
	Market Segment:	Mainstream Desktop
	Product Family:	AMD Ryzen™ Processors
	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
CONNECTIVITY	Multithreading (SMT):	Yes
	# of Threads:	12
	Max. Boost Clock ⓘ:	Up to 4.2GHz
	Base Clock:	3.6GHz
	L1 Cache:	384KB
	L2 Cache:	3MB
	L3 Cache:	16MB
	Default TDP:	65W
	Processor Technology for CPU Cores:	TSMC 7nm FinFET
GRAPHICS CAPABILITIES		
PRODUCT IDS		
KEY FEATURES		

CPU Compute Die (CCD) Size:	180mm ²
Package Die Count:	1
Unlocked for Overclocking ⓘ:	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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