

AMD Ryzen™ 5 4500

**GENERAL
SPECIFICATIONS**

General Specifications

CONNECTIVITY

Connectivity

**GRAPHICS
CAPABILITIES**

Graphics Capabilities

**PRODUCT
IDS**

Integrated Graphics:	No
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**KEY
FEATURES**

Graphics Model:	Discrete Graphics Card Required
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Product IDs

Product ID Boxed:	100-100000644BOX
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Product ID Tray:	100-000000644
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Key Features

Supported Technologies:	AMD StoreMI Technology AMD "Zen 2" Core Architecture AMD Ryzen™ VR-Ready Premium
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USB Type-C® Support:	Desktop	
Native USB 3.2 Gen 2 (10Gbps) Ports:	Mainstream Desktop	
Product Family:	AMD Ryzen™ Processors	
Native USB 3.2 Gen 1 (5Gbps) Ports:	0	
Product Line:	AMD Ryzen™ 5 Desktop Processors	
Native USB 2.0 (480Mbps) Ports:	0	
Consumer Use:	Yes	
Regional Availability:	Global, China, NA, EMEA, APJ, LATAM	
PCI Express® Version:	PCIe 3.0	
Former Codename:	"Renoir"	
Native PCIe® Lanes Available:	24/20	
Architecture:	"Zen 2"	
Additional Available PCIe Lanes from Motherboard:	AMD X570	16x Gen 3
	AMD X470	2x Gen 3
Multithreading (SMT):	Yes	AMD X470 8x Gen 2
# of Threads:	12	
NVMe Support:	Boot, RAID0, RAID1, RAID10	
Max. Boost Clock:	Up to 4.1GHz	
System Memory Type:	DDR4	
Base Clock:	3.6GHz	
Memory Channels:	2	
L1 Cache:	384KB	
Max. Memory:	128GB	
L2 Cache:	3MB	
System Memory Subtype:	UDIMM	
L3 Cache:	8MB	
System Memory	Up to 3200MHz	
Specification:		
Default TDP:	65W	
Max Memory Speed:	2x1R	DDR4-3200
Processor Technology for CPU Cores:	2x2R	TSMC 7nm FinFET DDR4-3200
	4x1R	DDR4-2933
CPU Compute Die (CCD) Size:	4x2R	180mm ² DDR4-2667
PCIe Support:	No	
Unlocked for Overclocking :	Yes	
CPU Socket:	AM4	
Socket Count:	1P	
Supporting Chipsets:	X570	

X470
X370
B550
B450
B350
A520
A320

CPU Boost Technology:	Precision Boost 2
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Instruction Set:	x86-64
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Supported Extensions:	AES, AMD-V, AVX, AVX2, FMA3, MMX(+), SHA, SSE, SSE2, SSE3, SSE4.1, SSE4.2, SSE4A, SSSE3, x86-64
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Thermal Solution (PIB):	AMD Wraith Stealth
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Max. Operating Temperature (Tjmax):	95°C
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Launch Date:	4/4/2022
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*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.
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