

AMD Ryzen™ 5 5500

**GENERAL
SPECIFICATIONS**

General Specifications

CONNECTIVITY

Connectivity

**GRAPHICS
CAPABILITIES**

Graphics Capabilities

**PRODUCT
IDS**

**KEY
FEATURES**

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 "Zen 3" Core
Architecture
AMD Ryzen™ VR-Ready
Premium

USB Type-C® Support:	Desktop	
Native USB 4 (40Gbps) Ports:	Mainstream Desktop	
Native USB 3.2 Gen 2 (10Gbps) Ports:	AMD Ryzen™ Processors	
Product Line:	AMD Ryzen™ 5 Desktop Processors	
Native USB 3.2 Gen 1 (5Gbps) Ports:	0	
Consumer Use:	Yes	
Native USB 2.0 (480Mbps) Ports:	0	
Regional Availability:	Global, China, NA, EMEA, APJ, LATAM	
Native SATA Ports:	2	
Former Codename:	"Cezanne"	
PCI Express® Version:	PCIe 3.0	
Architecture:	"Zen 3"	
Native PCIe® Lanes (# of Lanes):	24/20 6	
Additional Display (SMC) Lanes from Motherboard:	AMD X570	16x Gen 3
# of Threads:	AMD X470	2x Gen 3
	AMD X470	8x Gen 2
Max. Boost Clock : NVMe Support:	Up to 4.2GHz Boot, RAID0, RAID1, RAID10	
Base Clock: System Memory Type:	3.6GHz DDR4	
L1 Cache: Memory Channels:	384KB 2	
L2 Cache: Max. Memory:	3MB 128GB	
L3 Cache: System Memory Subtype:	16MB UDIMM	
Default TDP: System Memory Specification:	65W Up to 3200MHz	
Processor Technology for CPU Cores:	TSMC 7nm FinFET	
Max Memory Speed:	2x1R	DDR4-3200
CPU Compute Die (CCD) Size:	2x2R 180mm ²	DDR4-3200
	4x1R	DDR4-2933
Package Die Count:	4x2R	DDR4-2667
EC Support 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 8.1 - 64-Bit Edition RHEL x86 64-Bit Ubuntu x86 64-Bit *Operating System (OS) support will vary by manufacturer.
---------------------	--
