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**GRAPHICS****CAPABILITIES****PRODUCT IDS****KEY FEATURES**

AMD Ryzen™ 5 5600

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:	"Vermeer"
Architecture:	"Zen 3"
# of CPU Cores:	6
Multithreading (SMT):	Yes
# of Threads:	12
Max. Boost Clock ⓘ:	Up to 4.4GHz
Base Clock:	3.5GHz
L1 Cache:	384KB
L2 Cache:	3MB

GENERAL SPECIFICATIONS**L3 Cache:** 32MB**Default TDP:** 65W**CONNECTIVITY****Processor Technology for CPU Cores:** TSMC 7nm FinFET**GRAPHICS CAPABILITIES****Processor Technology for I/O Die:** 12nm (Globalfoundries)**PRODUCT IDS****KEY FEATURES****CPU Compute Die (CCD) Size:** 74mm²**I/O Die (IOD) Size:** 125mm²**Package Die Count:** 2**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.

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Connectivity

USB Type-C® Support:	Yes	
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 4.0	
Native PCIe® Lanes (Total/Usable):	24/20	
Additional Usable PCIe Lanes from Motherboard:	AMD X570	16x Gen 4
	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 3200MHz	
Max Memory Speed:	2x1R	DDR4-3200
	2x2R	DDR4-3200
	4x1R	DDR4-2933
	4x2R	DDR4-2667
ECC Support:	Yes (Requires mobo support)	

**GENERAL
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Graphics Capabilities

CONNECTIVITY**Integrated Graphics:** No**GRAPHICS
CAPABILITIES****Graphics Model:** Discrete Graphics Card
Required**PRODUCT IDS****KEY FEATURES**

Product IDs

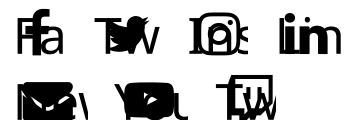
Product ID Boxed: 100-100000927BOX**Product ID Tray:** 100-000000927

Key Features

Supported Technologies: AMD StoreMI Technology
AMD "Zen 3" Core
Architecture
AMD Ryzen™ VR-Ready
Premium[Our Company \(/en/corporate/about-amd-revamp\)](/en/corporate/about-amd-revamp)[Newsroom \(/en/corporate/newsroom\)](/en/corporate/newsroom)[Careers \(/en/corporate/careers\)](/en/corporate/careers)[Investors \(http://ir.amd.com\)](http://ir.amd.com)[Contact Us \(/en/corporate/contact\)](/en/corporate/contact)

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