

AMD Ryzen™ 5 4600G

GENERAL SPECIFICATIONS

General Specifications

CONNECTIVITY

Connectivity

GRAPHICS CAPABILITIES

Graphics Capabilities

PRODUCT IDS

KEY FEATURES

Integrated Graphics:	Yes
Graphics Model:	Radeon™ Graphics
Graphics Core Count:	7
Graphics Frequency:	1900 MHz
USB Type-C® DisplayPort™ Alternate Mode:	Yes

Product IDs

Product ID Boxed:	100-100000147BOX
Product ID Tray:	100-000000147

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:	AMD Ryzen™ Processors	
Product Line:	AMD Ryzen™ 5 4000 G-Series	
Native USB 3.2 Gen 1 (5Gbps) Ports:	Desktop Processors with Radeon™ Graphics	
Native USB 2.0 (480Mbps) Ports:	"Renoir"	
Architecture:	"Zen 2"	
Native SATA Ports:	2	
# of CPU Cores:	6	
PCI Express® Version:	PCIe® 3.0	
Multithreading (SMT):	Yes	
Native PCIe® Lanes (# of all lanes):	24/20	
Additional PCIe Lanes from Motherboard Base Clock:	AMD X570	16x Gen 3
	AMD X470	2x Gen 3
	AMD X470	8x Gen 2
L1 Cache:	384KB	
NVMe Support:	BOOT, RAID0, RAID1, RAID10	
L2 Cache:	3MB	
System Memory Type:	DDR4	
L3 Cache:	8MB	
Memory Channels:	2	
Default TDP:	65W	
Max. Memory:	128GB	
AMD Configurable TDP (CTDP):	45-65W	
System Memory Subtype:	UDIMM	
System Memory Processor Specification:	Up to 3200MHz TSMC 7nm FinFET	
Max Memory Speed:	2x1R	DDR4-3200
Package Die Count:	1	
	2x2R	DDR4-3200
Unlocked for Overclocking :	4x1R	DDR4-2933
	Yes	
	4x2R	DDR4 2667
CPU Socket:	AM4	
ECC Support:	No	
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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Max. Operating Temperature (Tjmax):	95°C
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Launch Date:	7/21/2020
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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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