ComX Computers
Product Specification Sheet

100-100000457BOX

AMD Ryzen 5 5500 3.6GHz Hex (6) Core Socket AM4 Processor

Product Overview

AMD Ryzen 5 Hex (6) Core Socket AM4 5500 3.6GHz boost up to 4.2GHz 19MB L3 Cache Processor, 65W Default TDP, TSMC 7nm FinFET, No Graphics, AMD Wraith Stealth thermal solution



Specifications

Specifications:

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Specifications	
Product Code	100-100000457BOX
General Specifications	
Platform	Desktop
Product Family	AMD Ryzen Processors
Product Line	AMD Ryzen 5 Desktop Processors
# of CPU Cores	6
# 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

Unlocked for Overclocking	Yes
CPU Socket	AM4
Socket Count	1P
Thermal Solution (PIB)	AMD Wraith Stealth
Max. Operating Temperature (Tjmax)	90 degreesC
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.
Connectivity	
PCI Express Version	PCIe 3.0
System Memory Type	DDR4
Memory Channels	2
System Memory Specification	Up to 3200MHz
Max Memory Speed	2x1R
	DDR4-3200
	2x2R
	DDR4-3200
	4x1R
	DDR4-2933
	4x2R
	DDR4-2667
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
Detailed 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
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
CPU Compute Die (CCD) Size	180mm²
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 degreesC
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.
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 3200MHz
Max Memory Speed	2x1R
	DDR4-3200
	2x2R
	DDR4-3200
	4x1R
	DDR4-2933
	4x2R
	DDR4-2667
ECC Support	No
Integrated Graphics	No
Graphics Model	Discrete Graphics Card Required

Product ID Boxed	100-100000457BOX
Product ID Tray	100-000000457
Supported Technologies	AMD StoreMI Technology
	AMD "Zen 3" Core Architecture
	AMD Ryzen VR-Ready Premium

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/100-100000457BOX-AMD-Ryzen-5-5500-3-6GHz-Hex-6-Core-Socket-AM4-Processor-p-266362.php

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