

CP-AY8700+F

AMD Ryzen 7 8700 4.2 GHz 8-Core 16-Thread AM5 Socket Processor

Product Overview

AMD Ryzen 7 8700 8-Core 16-Thread Processor, 4.2 GHz Base Clock, 5.1 GHz Boost Clock, 16MB L3 Cache, AM5 Socket, 65W TDP, Dual-Channel DDR5 Support, PCIe 4.0, Includes Wraith Spire Cooler



Specifications

Specifications:

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Specifications	
Product Code	CP-AY8700+F
General Details	
Name	AMD Ryzen 7 8700F
Family	Ryzen
Series	Ryzen 8000 Series
Form Factor	Desktops
AMD PRO Technologies	No
Regional Availability	Global
Former Codename	Phoenix
Processor Architecture	Zen 4
# of CPU Cores	8
Multithreading (SMT)	Yes
# of Threads	16
Max. Boost Clock	Up to 5 GHz

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Product Specification Sheet

Base Clock	4.1 GHz
Base Clock	4.1 GHz
L2 Cache	8 MB
L3 Cache	16 MB
Default TDP	65W
AMD Configurable TDP (cTDP)	45-65W
Processor Technology for CPU Cores	TSMC 4nm FinFET
CPU Compute Die (CCD) Size	178mm ²
Package Die Count	1
Unlocked for Overclocking	Yes
AMD EXPO Memory Overclocking Technology	Yes
Precision Boost Overdrive	Yes
Curve Optimizer Voltage Offsets	Yes
AMD Ryzen Master Support	Yes
CPU Socket	AM5
Supporting Chipsets	A620, X670E, X670, B650E, B650, X870E, X870, B840, B850
CPU Boost Technology	Precision Boost 2
Instruction Set	x86-64
Supported Extensions	AES, AMD-V, AVX, AVX2, AVX512, FMA3, MMX-plus, SHA, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, SSE4A, x86-64
Max. Operating Temperature (Tjmax)	95 degreesC
*OS Support	Windows 11 - 64-Bit Edition, Windows 10 - 64-Bit Edition, RHEL x86 64-Bit, Ubuntu x86 64-Bit
Connectivity	
Native USB 4 (40Gbps)	2
Native USB 3.2 Gen 2 (10Gbps)	2
Native USB 2.0 (480Mbps)	1
PCI Express Version	PCIe 4.0
Native PCIe Lanes (Total/Usable)	20, 16
NVMe Support	Boot, RAID0, RAID1
System Memory Type	DDR5
Memory Channels	2
Max. Memory	256 GB
System Memory Subtype	UDIMM

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Product Specification Sheet

Max Memory Speed	2x1R
	DDR5-5200
	2x2R
	DDR5-5200
	4x1R
	DDR5-3600
	4x2R
	DDR5-3600
Graphics Capabilities	
Graphics Model	Discrete Graphics Card Required
AMD SmartAccess Memory	Available
AI Engine Capabilities	
Brand Name	AMD Ryzen AI
AMD Ryzen AI	Available
Performance	Up to 16 TOPS

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/CP-AY8700-F-AMD-Ryzen-7-8700-4-2-GHz-8-Core-16-Thread-Buy-p-321993.php>

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