

MTN-FP850

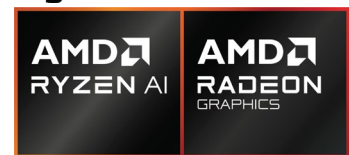
AMD Ryzen™/Ryzen™ AI FP8 200/300 Series Processor
with Radeon™ Graphics based Ultra-Compact Mini PC



Features

- CPU: AMD Ryzen™/ Ryzen AI FP8 200/300 Series Processor
- Memory: Dual Channel DDR5 for Memory up to 96GB
- Display: AMD Radeon™ Graphics, Displays via HDMI+DP+USB4
- I/O Ports: 2xUSB-C(1*USB4+1*USB3.2_10Gbps), 2xUSB3.2, 1xUSB2.0, 2xLAN(2.5GbE), Audio
- Storage: 2xM.2_Key M Slot for 2280 NVMe SSD
- Expansion: 1xM.2_Key E Slot for 2230 WiFi and Bluetooth
- Power: 19V/20V DC-in

AMD
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Introduction

The Maxtang MTN-FP850 is an ultra-compact mini PC powered by the latest AMD Ryzen™ and Ryzen™ AI 200/300 Series Processors with integrated AMD Radeon™ Graphics. Designed for high-performance computing in a small form factor, it supports up to 96GB DDR5 dual-channel memory, multiple 8K/4K display outputs, and flexible storage with dual NVMe SSDs.

Equipped with USB4, HDMI 2.1, and DP 2.1 interfaces, the MTN-FP850 delivers exceptional graphics performance and supports triple-display setups for immersive visual experiences. Dual 2.5GbE LAN, onboard TPM (optional), and rich I/O connectivity make it suitable for applications ranging from edge computing, digital signage, and AI workloads to enterprise-level productivity.

With its compact 127 x 129 x 55 mm design, reliable active cooling, and wide OS support (Windows 10/11 and Linux), the MTN-FP850 offers a perfect balance of power, versatility, and efficiency in a space-saving form factor.



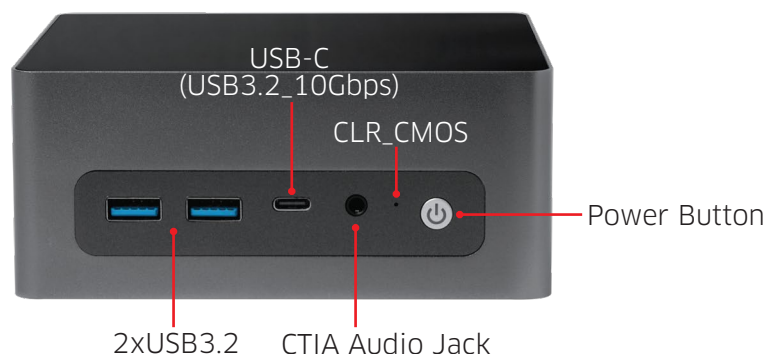
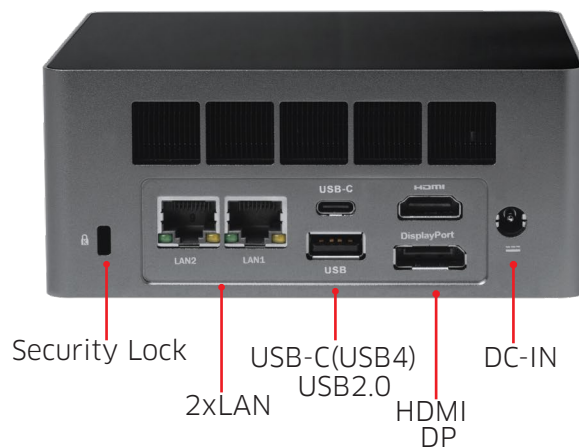
H/W Monitor



Watchdog



I/O Interfaces

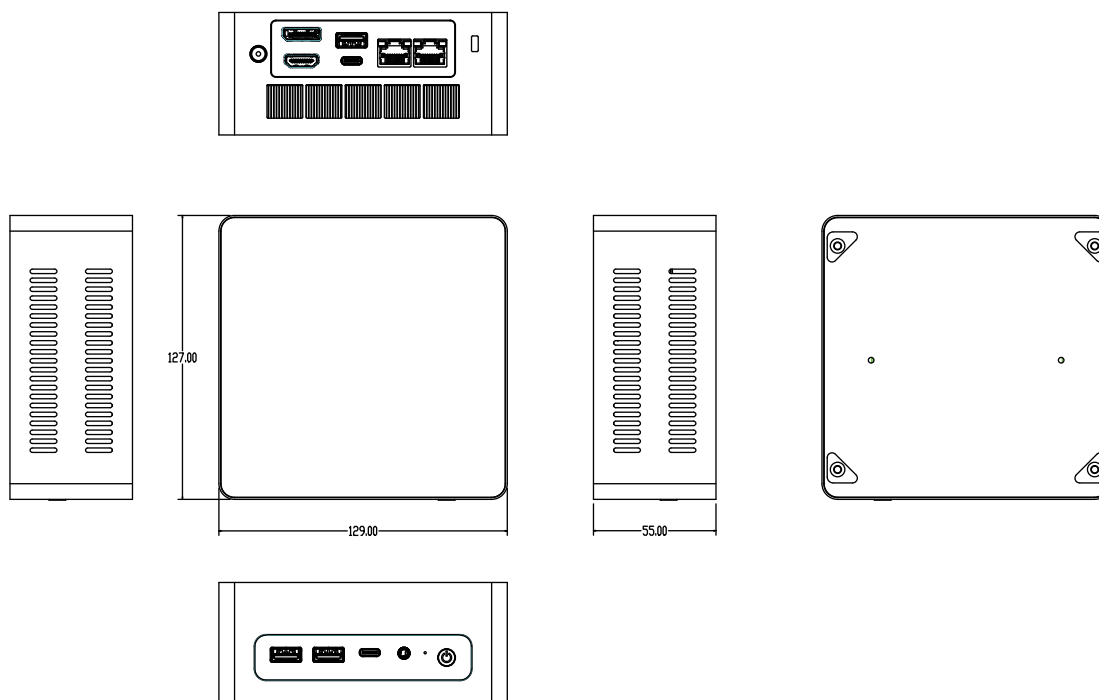


Technical Specifications

Processor	AMD Ryzen™/Ryzen™ AI	255	260	HX370
	# of Cores/Threads	8C/16T	8C/16T	12C/24T
	Max. Boost Clock	4.9GHz	5.1GHz	5.1GHz
	Base Clock	3.8GHz	3.8GHz	2GHz
	L2/L3 Cache	8MB/16MB	8MB/16MB	12MB/24MB
	Default TDP	45W	45W	45W
GPU	AMD Radeon™Graphics	780M	780M	890M
NPU	AI Engine Capabilities	N/A	YES	YES
	BIOS	AMI UEFI BIOS		
Memory	Type	Dual Channel SO-DIMM DDR5		
	Max. Capacity	96GB		
Display	GPU	Integrated AMD Radeon™ Graphics. Support multiple displays.		
	Max. Resolution	7680x4320@60Hz/3840x2160@240Hz		
Ethernet	Interface	1xDP2.1, 1xHDMI2.1, 1xUSB4		
	Controller	2xRealtek RTL8125		
	Speed	10/100/1000/2500Mbps		
Audio	Interface	2xRJ45		
	Audio Codec	Realtek HD ALC897		
Hardware	Interface	1xCTIA 2in1 Audio Jack, supports Line-out+Mic-in		
		CPU temperature, System temperature, Onboard voltage, Watchdog		
Storage	M.2_N1/N2	2xM.2 Key M Slot for 2280 NVMe SSD		
Expansion	M.2_E	1xM.2 Key E Slot for 2230 Wi-Fi&Bluetooth Module		
Other I/O	USB3.2	2xUSB3.2		
	USB2.0	1xUSB2.0		
	USB-C	2xUSB-C(Front:1*USB 3.2_10Gbps.Rear:1*USB4 full-funcationed.)		
	TPM	Optional		
Dimension	Size	127 mm x 129 mm x 55mm (L x W x H)		
	Weight	N.W. Barebone: 0.685KG		
Power	Standard Port	19V/20V DC-in		
Temperature	Operating Temp.	0°C to 50°C		
	Storage Temp.	-20°C to 70°C		
Cooling		Active		
Operating System	255/260	Windows10/11 64bit, Linux 64bit.		
	HX370	Windows11 64bit, Linux 64bit.		

*All specifications and photos are subject to change without notice.

Dimension



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