

MTN-FP850

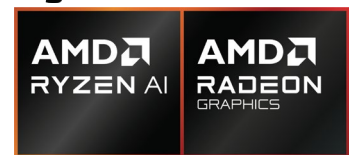
AMD Ryzen™/Ryzen™ AI FP8 200/300 Series Processor
with Radeon™ Graphics based Ultra-Compact Mini PC



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
together we advance_



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.



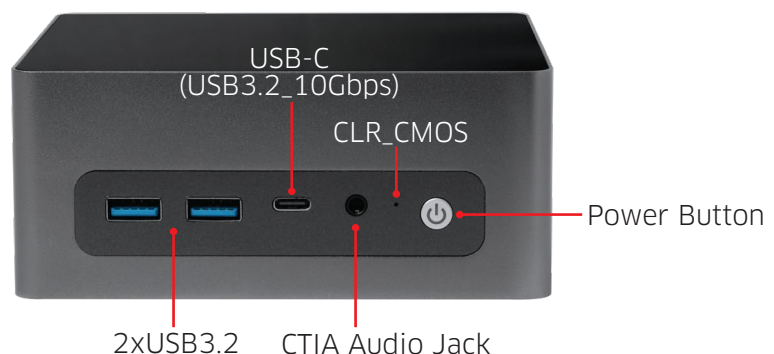
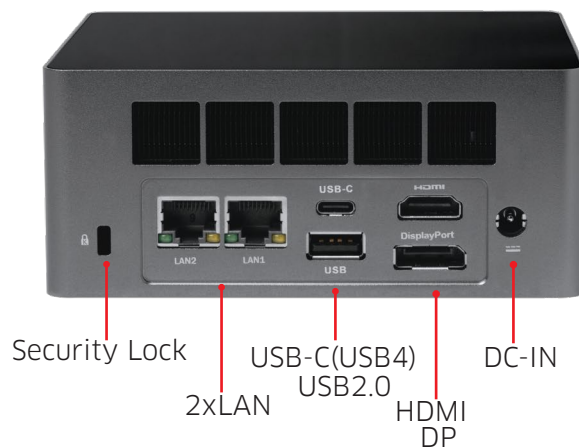
H/W Monitor



Watchdog



I/O Interfaces

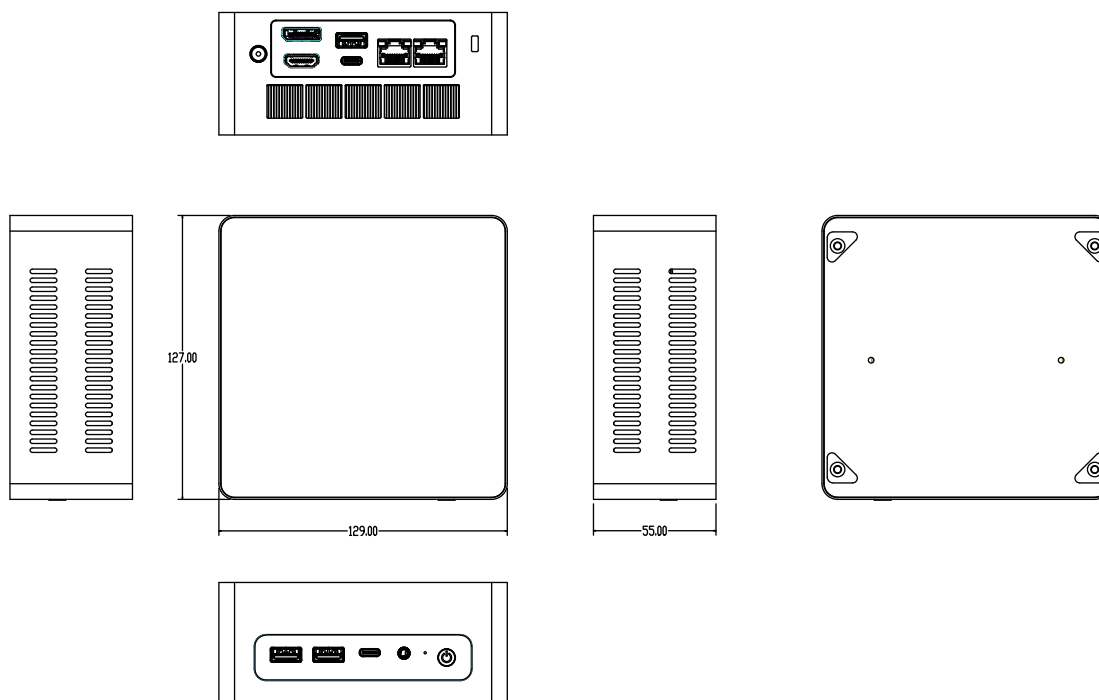


Technical Specifications

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



Copyright © 2025 Maxtang Technology Co., Ltd. All rights reserved. All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate however, no responsibility is assumed for inaccuracies. Maxtang and the Maxtang logo and all other trademarks or registered trademarks are the property of their respective owners and are recognized. The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress, and HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.