

# MTN-FP50

AMD® Ryzen™ Mobile Processor Based Compact Mini PC with Radeon™ Graphics



## Features

- Based on the AMD® R1305G, 2500U, 3500U
- Dual channel DDR4 for memory up to 64GB
- AMD Radeon™ Graphics via HDMI2.0
- Rich I/O ports: 3x USB3.0, 2x USB2.0, 1x LAN, 2x HDMI, 1x Line-out, 1x Mic-in, 1x DC-in
- Built-in Wi-Fi and Bluetooth
- Compact design and low power consumption
- Ready to use



## Introduction

Maxtang MTN-FP50 is a small form factor PC with a tiny footprint based on the AMD Ryzen mobile processors, R1305G (SATA ONLY), 2500U, and 3500U. This mini PC squeeze a powerful processor, fast memory, and massive storage comparable to the full-size desktop PCs into the smallest form factors we can engineer. It puts full-sized PC power in the palm of your hand.

The MTN-FP50 supports dual channel DDR4 up to 64GB to add higher bandwidth and lower latencies for processes. It is also designed with rich interfaces including 3x USB3.0, 2x USB2.0, 2x HDMI, 1x LAN, 1x mic-in, and 1x line-out. It's also equipped with built-in Wi-Fi and Bluetooth for better connectivity. Its rich interfaces make it an ideal choice to realize all your requirements. With our fine manufacturing technology and rich industrial design experience, our MTN-FP50 would be an quality and cost-effective mini PC series.



H/W Monitor



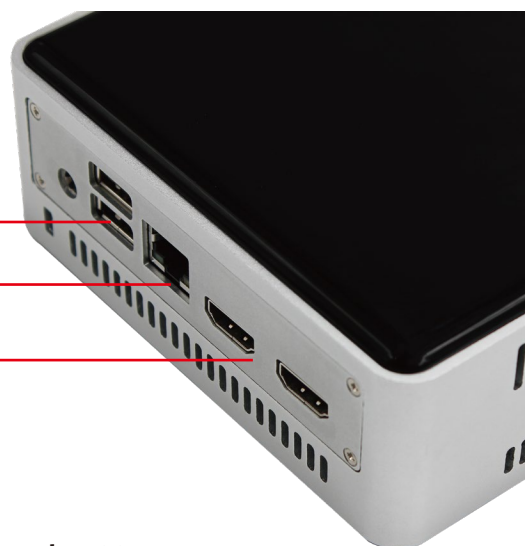
Watchdog

## I/O Interfaces

2x USB2.0

1x LAN

2x HDMI



Audio

3x USB3.0

Power button



Wi-Fi



Bluetooth

## Technical Specifications

Processor	CPU	R1305G	2500U	3500U
	Max boost clock	2.8 GHz	3.6 GHz	3.7 GHz
	Base clock	1.5 GHz	2.0 GHz	2.1 GHz
	Cache	L2 1MB	L2 2MB	L2 2MB
	TDP	8-10 W	15 W	15 W
	BIOS	AMI 8MB UEFI BIOS		
Memory	Type	2x DDR4		
	Max capacity	64GB		
Display	GPU	Radeon™ Vega Graphics		
	Display Port	2x HDMI2.0		
Ethernet	Speed	1 GbE		
	Controller	RTL8111H		
	Interface	RJ-45		
WLAN	Interface	M.2		
	Wi-Fi Certified	802.11 a, b/g, n, ac		
Bluetooth	Blueooth	Supported		
Audio	Audio codec	Realtek HD ALC662 (Line-out, Mic-in)		
	Interface	Line-out, mic-in, audio header, amplifier header		
Hardware		CPU temperature, system temperature, onboard voltage, watchdog		
Storage	M.2	1xM.2 for NVMe 2280 SSD		
	SATA	1xSATA (2.5 inch)		
External I/O	HDMI	2		
	USB	2 x USB2.0 + 3 x USB3.0		
	LAN	1		
	Audio	1 x line-out + 1 x mic-in		
	DC-in	1		
Dimension	Size	130 mm x 128 mm x 52 mm		
Power	Standard port	12V DC-in		
Temperature	Operating Temp.	0°C to 50°C		
	Storage Temp.	-40°C to 80°C		
Cooling		Active		
Operating System		Win10 64bit, Linux 64bit		

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

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