

# MTN-FP650

Powered by the latest AMD Ryzen™ 4000 Series(“Zen 2”) Renoir Mobile Processor with Radeon™ Vega Graphics



## Features

- CPU: AMD Ryzen™ Mobile Processors 4000 Series(“Zen 2”)
- Memory: Dual Channel DDR4 for Memory up to 64GB
- Display: AMD Radeon™ Vega Graphics, Dual Displays via HDMI2.0
- I/O Ports: 2xUSB3.2, 2xUSB2.0, 1xLAN, 2xHDMI, USB-C Gen2, Line-out, Mic-in,
- Expansion: M.2 for WiFi and Buletooth
- Storage: SATA3.0, M.2 for 2280 SSD
- Power: 12V/19V DC-in



## Introduction

The Maxtang MTN-FP650 is 4000 Series AMD Ryzen mobile Renoir “Zen 2” processors based compact mini-PC. It can provide you with excellent performance, greater space-saving. Supports dual-channel SO-DIMM DDR4 up to 64GB, dual display via Radeon Vega Graphics through 2xHDMI2.0. Features with one 10/100/1000 Mbps ethernet controller, SATA3.0 and M.2 for storage, additional M.2 for Wi-Fi & Bluetooth. A rich I/O interface includes 2x USB3.2, 2xUSB2.0, 1xLAN, 1x USB-C, Mic-in, and Line-out with standard 12V/19V DC-in caters to most market requirements.

The MTN-FP650 is small, mighty with low power consumption at a TDP rate of 15W. Powerful features offer you an immersive visual experience, increased productivity with stability, reliability. Great for multitasking, perfect for creating, play, work, educate, and entertain. It provides flexible, comprehensive solutions for a wide range of office, retail, digital signage, and hospital applications. Its diminutive size takes up minimal space on a desk and makes it suited for applications where traditional PCs won't fit.



H/W Monitor



Watchdog

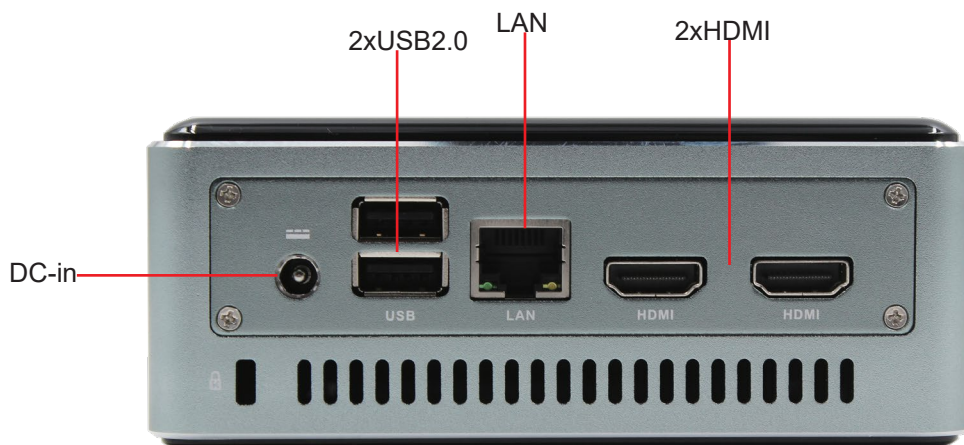
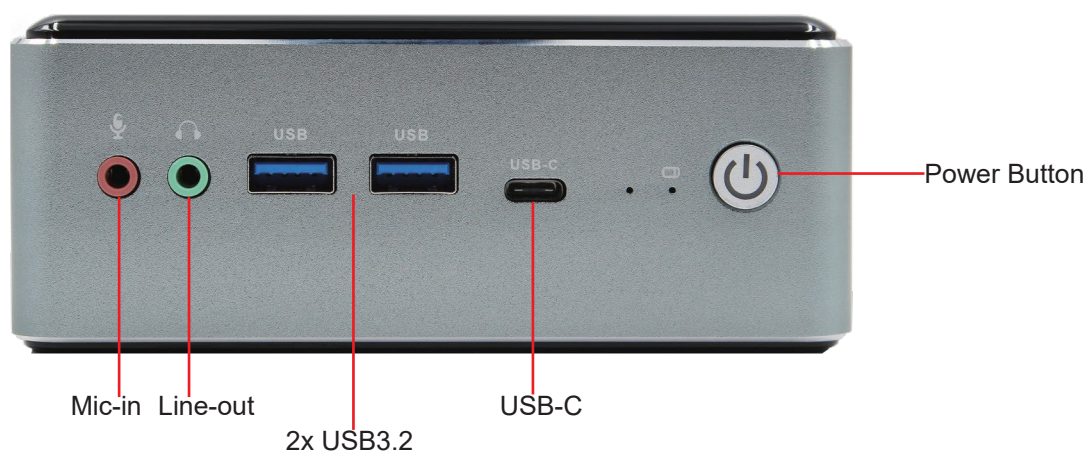


GPIO



Brightness

## I/O Interfaces



Wi-Fi



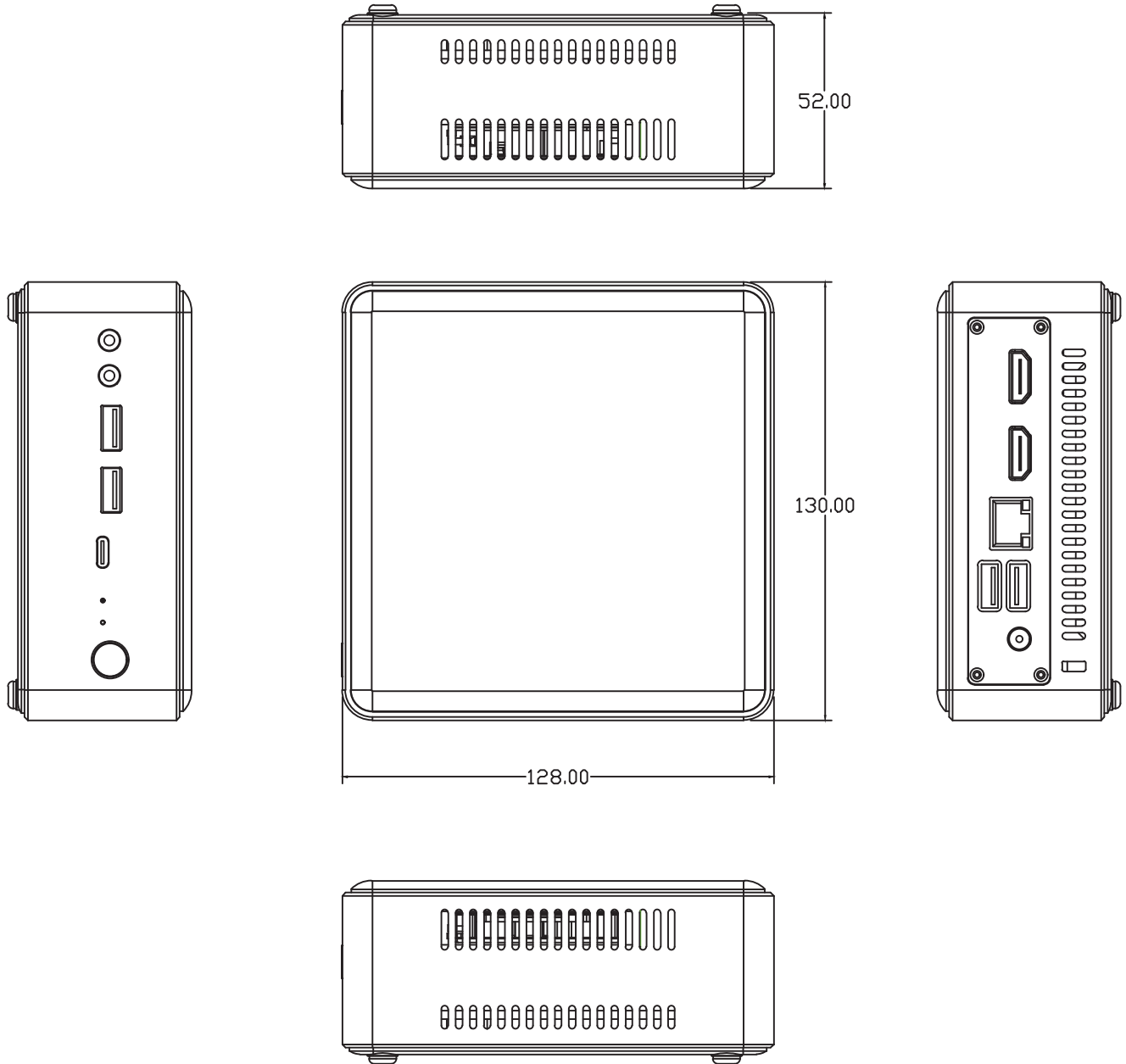
Bluetooth

## Technical Specifications

Processor	CPU:AMD "Zen 2"	Ryzen3 4300U	Ryzen5 4500U	Ryzen7 4700U
	# of CPU Cores	4	6	8
	# of Threads	4	6	8
	Max. Boost Clock	3.7GHz	4.0GHz	4.1GHz
	Base Clock	2.7GHz	2.3GHz	2.0GHz
	Total L2 Cache	2MB	3MB	4MB
	Total L3 Cache	4MB	8MB	8MB
	Default TDP	15W	15W	15W
Processor	CPU:AMD "Zen 2"	Ryzen5 4600U	Ryzen7 4800U	
	# of CPU Cores	6	8	
	# of Threads	12	16	
	Max. Boost Clock	4.0GHz	4.2GHz	
	Base Clock	2.1GHz	1.8GHz	
	Total L2 Cache	3MB	4MB	
	Total L3 Cache	8MB	8MB	
	Default TDP	15W	15W	
Display	BIOS	AMI UEFI BIOS		
	GPU	AMD Radeon™ Vega Graphics		
	Display Port	2x HDMI 2.0		
Memory	Type	Dual Channel SO-DIMM DDR4		
	Max Capacity	64GB		
Ethernet	Speed	10/100/1000 Mbps		
	Controller	RTL8111H		
	Interface	RJ-45		
Audio	Audio Codec	Realtek HD		
	Interface	Line-out, Mic-in, Audio header, Amplifier header		
Hardware	CPU temperature, System temperature, Onboard voltage, Watchdog			
Storage	M.2	1xM.2 f or 2280 SSD, Supports NVMe or SATA		
	SATA3.0	1		
Expansion	M.2	1xM.2 for WiFi and Bluetooth		
I/O Interface	HDMI	2		
	USB2.0	2		
	USB3.2	2		
	LAN	1		
	Audio	1 x Line-out + 1 x Mic-in		
	DC-in	1		
	USB-C	1x Type-C/USB3.2 Gen 2		
	Dimension	Size	128 mm x 130 mm x 52mm (L x W x H)	
Power	Standard Port	12V/19V DC-in		
	Operating Temp.	0°C to 50°C		
Temperature	Storage Temp.	-20°C to 70°C		
	Cooling	Active		
Operating System	Supports Windows 10/11 64bit, Linux 64bit			

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

## Dimension



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