

# MTN-FP650 V1.0

Powered by the AMD Ryzen™ 5000 Series Mobile Processor  
with Radeon™ Graphics



## Features

- CPU: AMD Ryzen™ Mobile Processors 5000 Series
- Memory: Dual Channel DDR4 for Memory up to 64GB
- Display: AMD Radeon™ 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 Bluetooth
- Storage: SATA3.0, M.2 for 2280 SSD
- Power: 12V/19V DC-in



## Introduction

The Maxtang MTN-FP650 is AMD Ryzen™ 5000 Series mobile 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™ 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

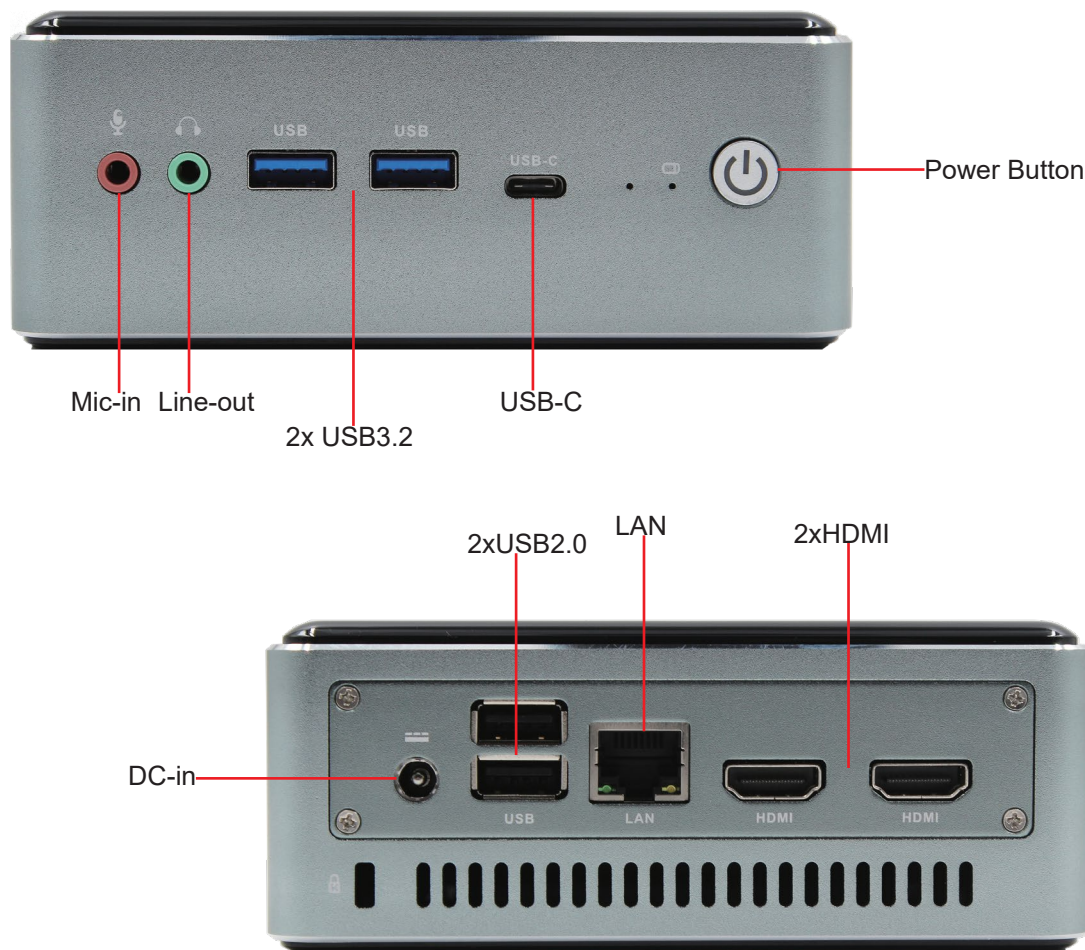


GPIO



Brightness

## I/O Interfaces



Wi-Fi



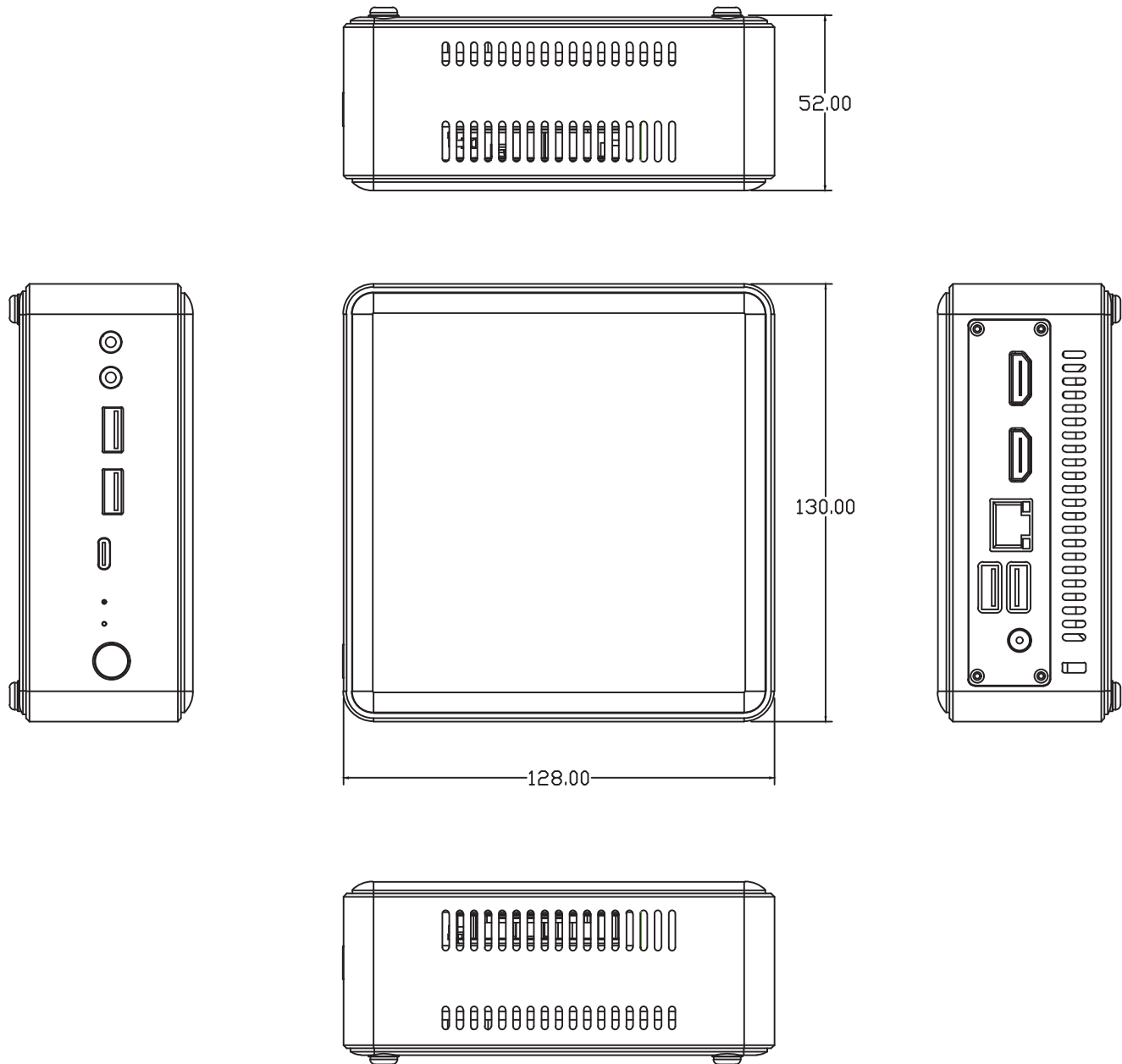
Bluetooth

## Technical Specifications

Processor	CPU:AMD “Zen 2”	Ryzen3 5300U	Ryzen5 5500U	Ryzen7 5700U
	# of CPU Cores	4	6	8
	# of Threads	8	12	16
	Max. Boost Clock	3.8GHz	4.0GHz	4.3GHz
	Base Clock	2.6GHz	2.1GHz	1.8GHz
	Total L2 Cache	2MB	3MB	4MB
	Total L3 Cache	4MB	8MB	8MB
	Default TDP	15W	15W	15W
	CPU:AMD “Zen 3”	Ryzen3 5400U	Ryzen5 5600U	Ryzen7 5800U
	# of CPU Cores	4	6	8
	# of Threads	8	12	16
	Max. Boost Clock	4.0GHz	4.2GHz	4.4GHz
	Base Clock	2.6GHz	2.3GHz	1.9GHz
	Total L2 Cache	2MB	3MB	4MB
	Total L3 Cache	8MB	16MB	16MB
	Default TDP	15W	15W	15W
Display	BIOS	AMI UEFI BIOS		
	GPU	AMD Radeon™ 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		
	Size	128 mm x 130 mm x 52mm (L x W x H)		
Power	Standard Port	12V/19V DC-in		
Temperature	Operating Temp.	0°C to 50°C		
	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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