DATASHEET

MTN-FP650 V2.0

Empowers Your Performance with AMD Ryzen™ 5000H Series Mobile Processors and Radeon™ Graphics

Features

- CPU: AMD Ryzen™ 5000H Mobile Processors
- Memory: Dual Channel DDR4 for Memory up to 64GB
- Display: AMD Radeon™ Graphics, Displays via 2x HDMI2.0 plus DisplayPort1.4(USB-C)
- I/O Ports: 2xUSB3.2, 2xUSB2.0, 1xLAN, USB-C Gen2, Line-out, Mic-in,
- Expansion: M.2 for WiFi and Bluetooth
- Storage: SATA3.0, M.2 for NVMe/SATA SSD
- Power: 19V DC-in

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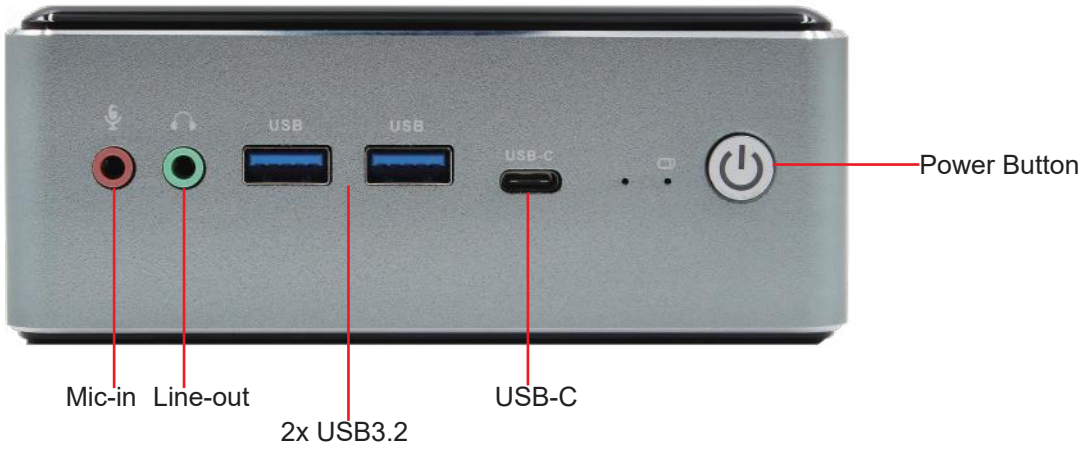
Introduction

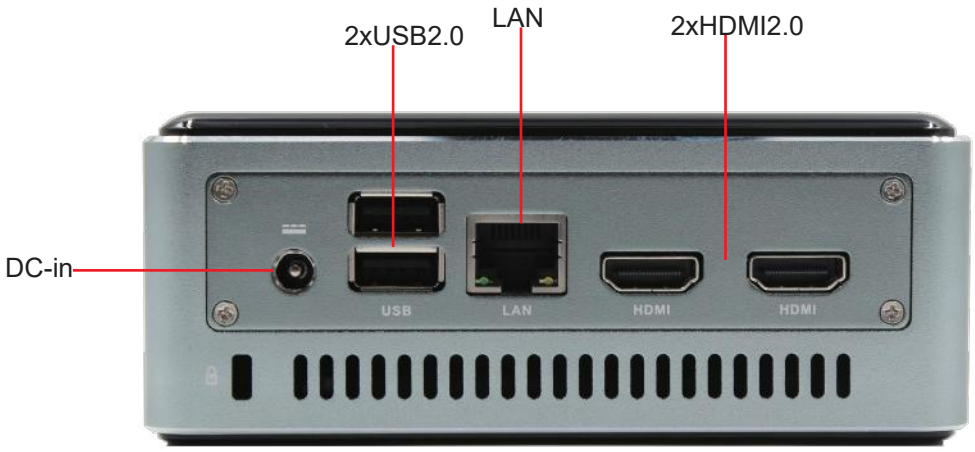
The Maxtang MTN-FP650 is an ultra-compact mini-PC that uses the AMD Ryzen™ 5000H series mobile processor to deliver excellent performance while saving space. With dual-channel SO-DIMM DDR4 support of up to 64GB and dual display through Radeon™ Graphics via 2xHDMI2.0, this mini-PC provides an immersive visual experience. It also features a 10/100/1000 Mbps ethernet controller, SATA3.0, M.2 for storage, and an additional M.2 for Wi-Fi & Bluetooth.

The MTN-FP650 is low on power consumption, making it reliable and stable for multitasking, creating, playing, working, educating, and entertaining. Its rich I/O interface includes 2x USB3.2, 2xUSB2.0, 1xLAN, 1x USB-C, Mic-in, and Line-out with standard 19V DC-in, catering to most market requirements. This mini-PC is perfect for a wide range of applications such as office, retail, digital signage, and hospital use. Its diminutive size ensures it takes up minimal space on a desk and makes it an excellent solution where traditional PCs won't fit.

Linux
ubuntu
Windows
H/W Monitor
Watchdog

I/O Interfaces





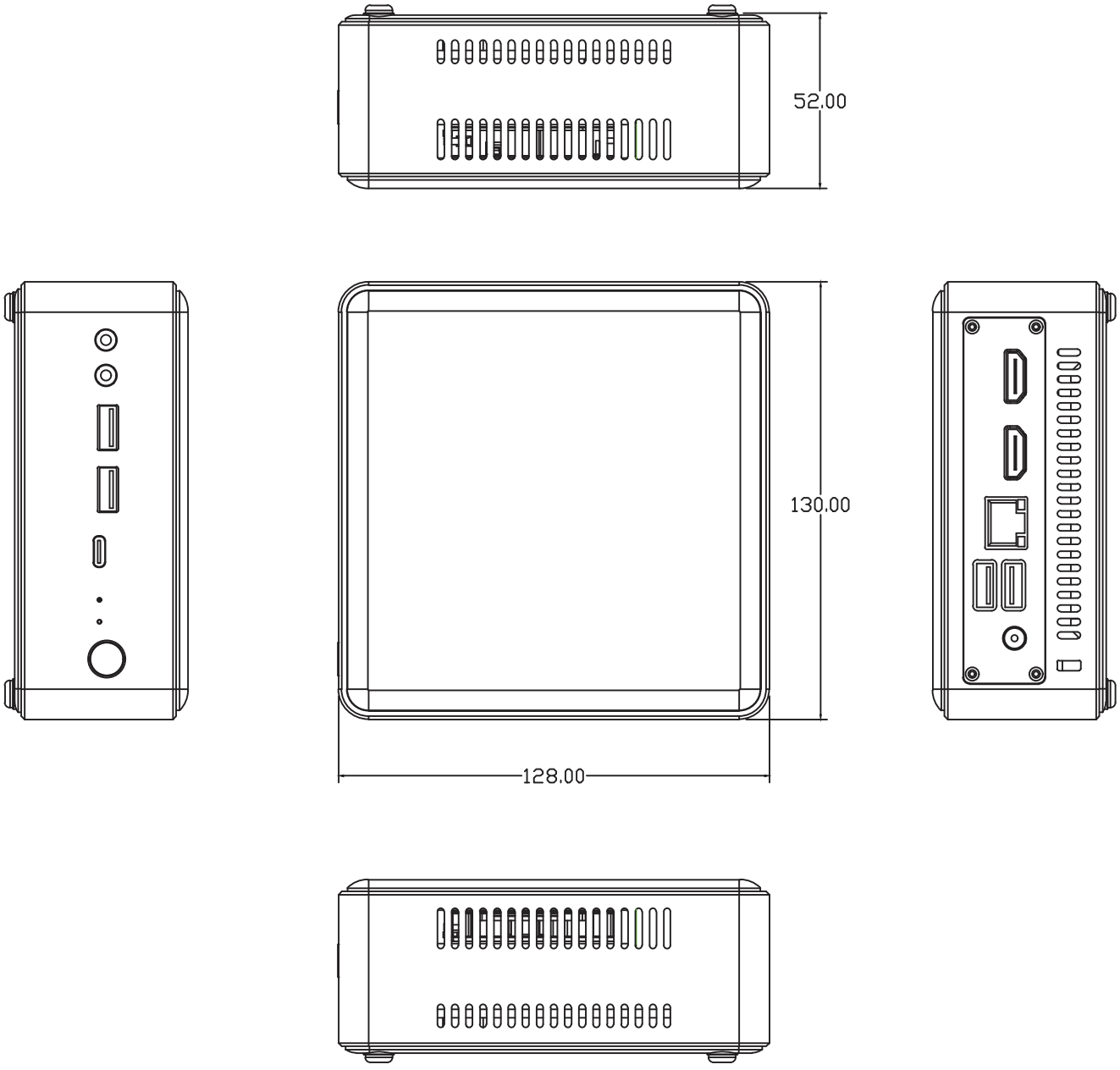
Wi-Fi
Bluetooth

Technical Specifications

Processor	CPU:AMD “Zen 3”	Ryzen™ 7 5800H	Ryzen™ 5 5600H
	# of CPU Cores	8	6
	# of Threads	16	12
	Max. Boost Clock	4.4GHz	4.2GHz
	Base Clock	3.2GHz	3.3GHz
	Total L2 Cache	4MB	3MB
	Total L3 Cache	16MB	16MB
	BIOS	AMI UEFI BIOS	
Display	GPU	AMD Radeon™ Graphics	
	Interface	2xHDMI2.0 plus DisplayPort 1.4 through USB-C	
Memory	Type	Dual Channel SO-DIMM DDR4	
	Max Capacity	64GB	
Ethernet	Speed	10/100/1000 Mbps	
	Controller	RTL8111H	
	Interface	1x RJ-45	
Audio	Audio Codec	Realtek HD	
	Interface	1xLine-out, 1xMic-in	
Hardware		CPU temperature, System temperature, Onboard voltage, Watchdog	
Storage	M.2	1xM.2 for NVMe/SATA SSD	
	SATA3.0	1	
Expansion	M.2	1xM.2 for WiFi and Bluetooth	
Other I/O	USB2.0	2	
	USB3.2	2	
	USB-C	1x USB-C: Support USB3.2 Gen 2/Display Port1.4	
Dimension	Size	128 mm x 130 mm x 52mm (L x W x H)	
Power	Standard Port	19V DC-in	
Temperature	Operating Temp.	0°C to 50°C	
	Storage Temp.	-20°C to 70°C	
Cooling		Active	
Operating System		Support Windows 10/11 64bit, Linux 64bit	

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

Dimension



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