

# MTN-FP750

AMD Ryzen™ 6000 Series Mobile Processor with Radeon™ Graphics based Ultra-Compact Mini PC



## Features

- CPU: AMD Ryzen™ 6000 Series Mobile Processors
- Memory: Dual Channel DDR5 for Memory up to 64GB
- Display: AMD Radeon™ Graphics, Dual Displays via HDMI2.0
- I/O Ports: 3xUSB3.2, 1xUSB2.0, 1xLAN(2.5GbE), 2xHDMI, USB-C, Audio
- Expansion: M.2 for WiFi and Bluetooth
- Storage: SATA(FPC), M.2 for 2280 SSD
- Power: 19V/20V DC-in



## Introduction

The Maxtang MTN-FP750 is an ultra-compact mini-PC that is equipped with AMD Ryzen™ 6000 Series mobile processors for excellent performance while great on saving space. It supports dual-channel SO-DIMM DDR5 memory up to 64GB and offers dual display capabilities through Radeon™ Graphics using 2xHDMI2.0. The MTN-FP750 has a 10/100/1000/2500 Mbps ethernet controller, SATA and M.2 for storage, and an additional M.2 for Wi-Fi & Bluetooth. Its rich I/O interface includes 3x USB3.2, 1x USB2.0, 1x LAN(2.5GbE), 1x USB-C, and a 2 in 1 CTIA Audio Jack.

It has low power consumption despite its powerful features. The MTN-FP750 provides an immersive visual experience, increased productivity, stability, and reliability, making it perfect for multitasking, creating, playing, working, educating, and entertaining. It is ideal for a wide range of applications, including office, retail, digital signage, and hospitals, due to its flexible and comprehensive solutions. Its diminutive size takes up minimal desk space and makes it ideal for applications where traditional PCs are unsuitable.



H/W Monitor



Watchdog

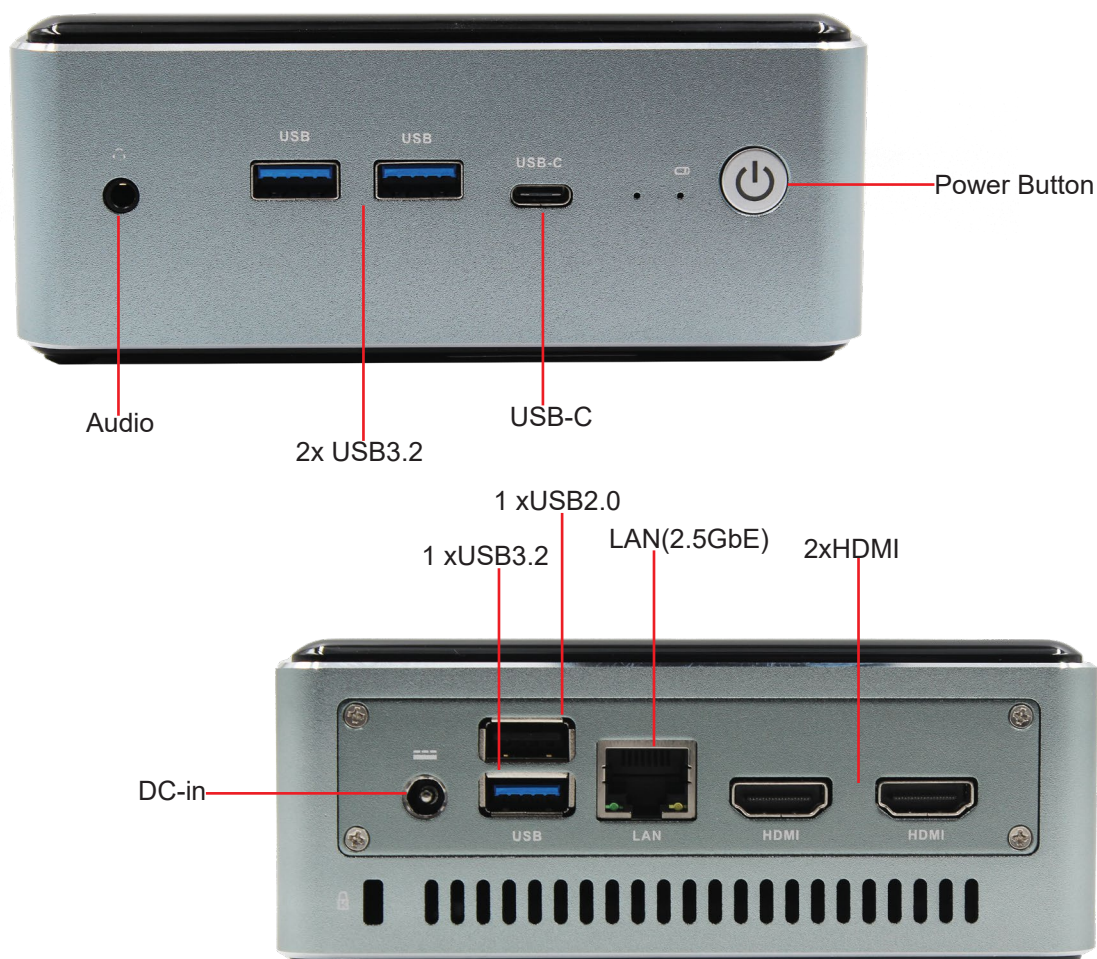


GPIO



Brightness

## I/O Interfaces

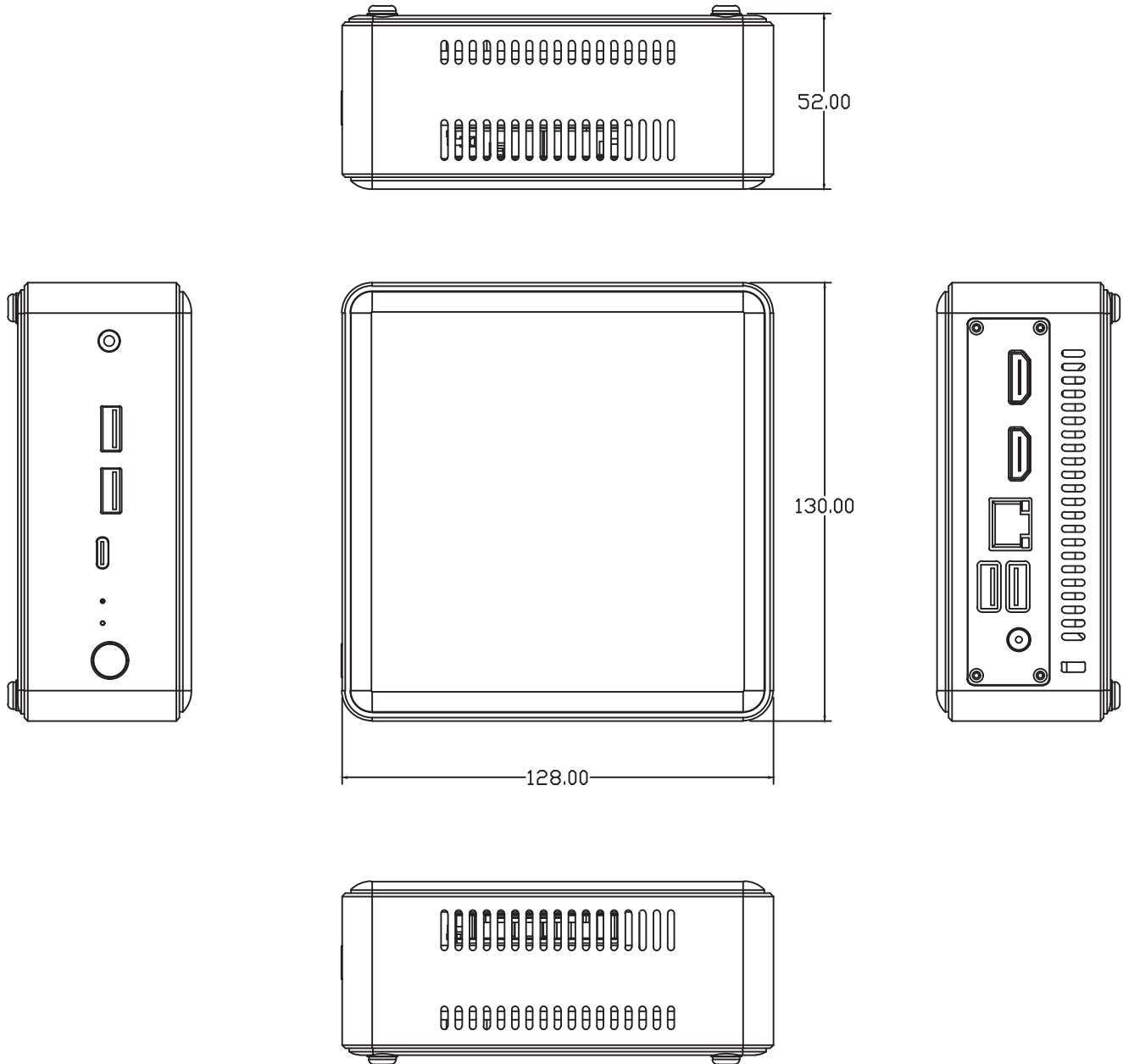


## Technical Specifications

Processor	AMD Ryzen™	Ryzen™ 7 6800H	Ryzen™ 5 6600H	
	# of CPU Cores	8	6	
	# of Threads	16	12	
	Max. Boost Clock	4.7GHz	4.5GHz	
	Base Clock	3.2GHz	3.3GHz	
	L1 Cache	512KB	384KB	
	L2 Cache	4MB	3MB	
	L3 Cache	16MB	16MB	
Graphics	AMD Radeon™	680M	660M	
	Display via	2x HDMI 2.0		
	BIOS	AMI UEFI BIOS		
Memory	Type	Dual Channel SO-DIMM DDR5		
	Max Capacity	64GB		
Ethernet	Speed	10/100/1000/2500 Mbps		
	Controller	RTL8125BG		
	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 for 2280 NVMe SSD		
	SATA	1x FPC SATA interface		
Expansion	M.2	1xM.2 for WiFi, Support PCIe&USB		
I/O Interface	HDMI	2		
	USB2.0	1		
	USB3.2	3		
	LAN	1		
	Audio	1 x CTIA 2in1 Audio Jack		
	DC-in	1		
	USB-C	1xUSB-C		
		Support USB 3.2 Gen 2 upstream/DisplayPort 1.4 Alt Mode		
	Wired Control	Optional		
	TPM	Optional		
	Dimension	Size	128 mm x 130 mm x 52mm (L x W x H)	
	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	Supports Windows 10/11 64bit, Linux 64bit			

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

## Dimension



Copyright ©2023 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.