

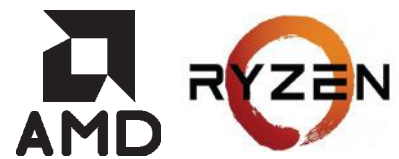
# MTN-FP750

AMD Ryzen™ 6000/7000 Series Mobile Processors with Radeon™ Graphics based Ultra-Compact Mini PC



## Features

- CPU: AMD Ryzen™ 6000/7000 Series Mobile Processors
- Memory: Dual Channel DDR5 for Memory up to 64GB
- Display: AMD Radeon™ Graphics, Displays via 2xHDMI2.0 and DisplayPort1.4(USB-C)
- I/O Ports: 3xUSB3.2, 1xUSB2.0, 1xLAN(2.5GbE), 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™ 6000/7000 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

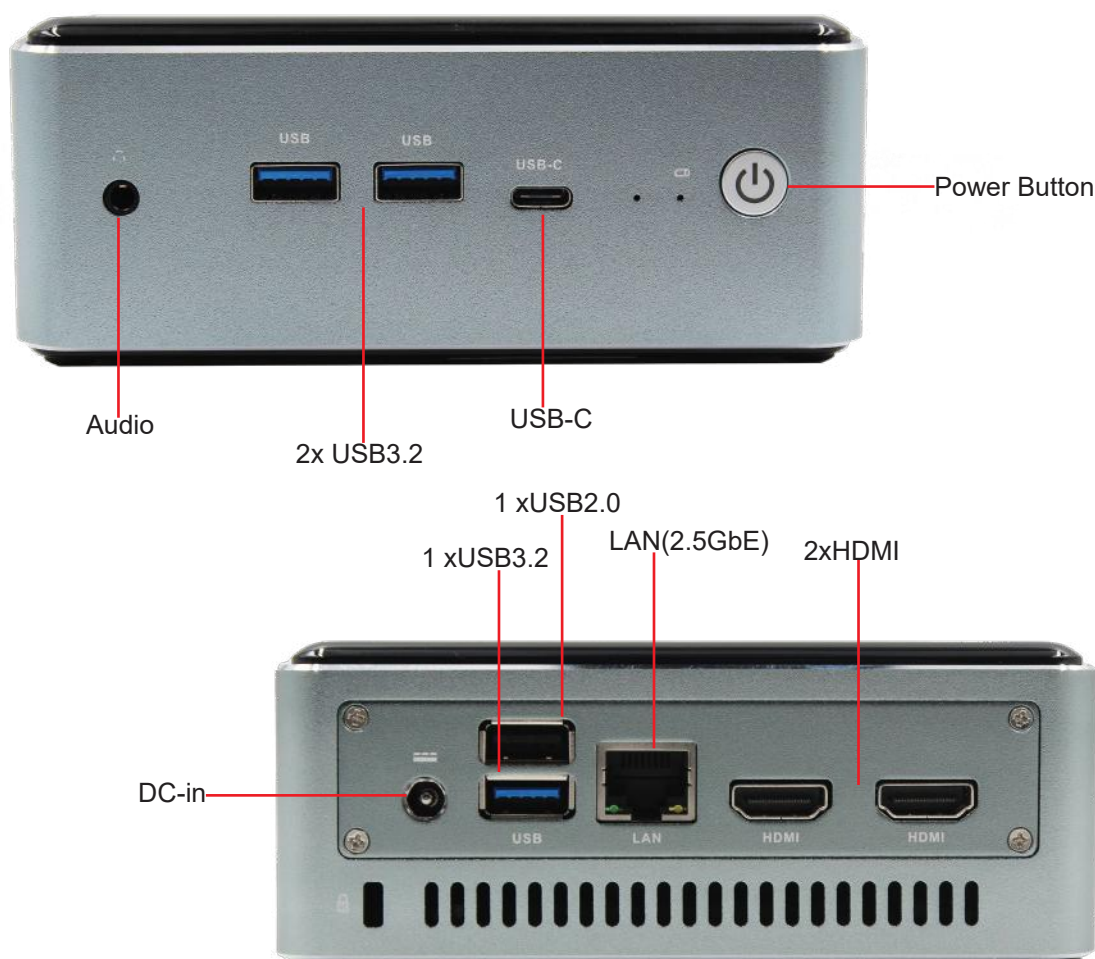


GPIO



Brightness

## I/O Interfaces



Wi-Fi



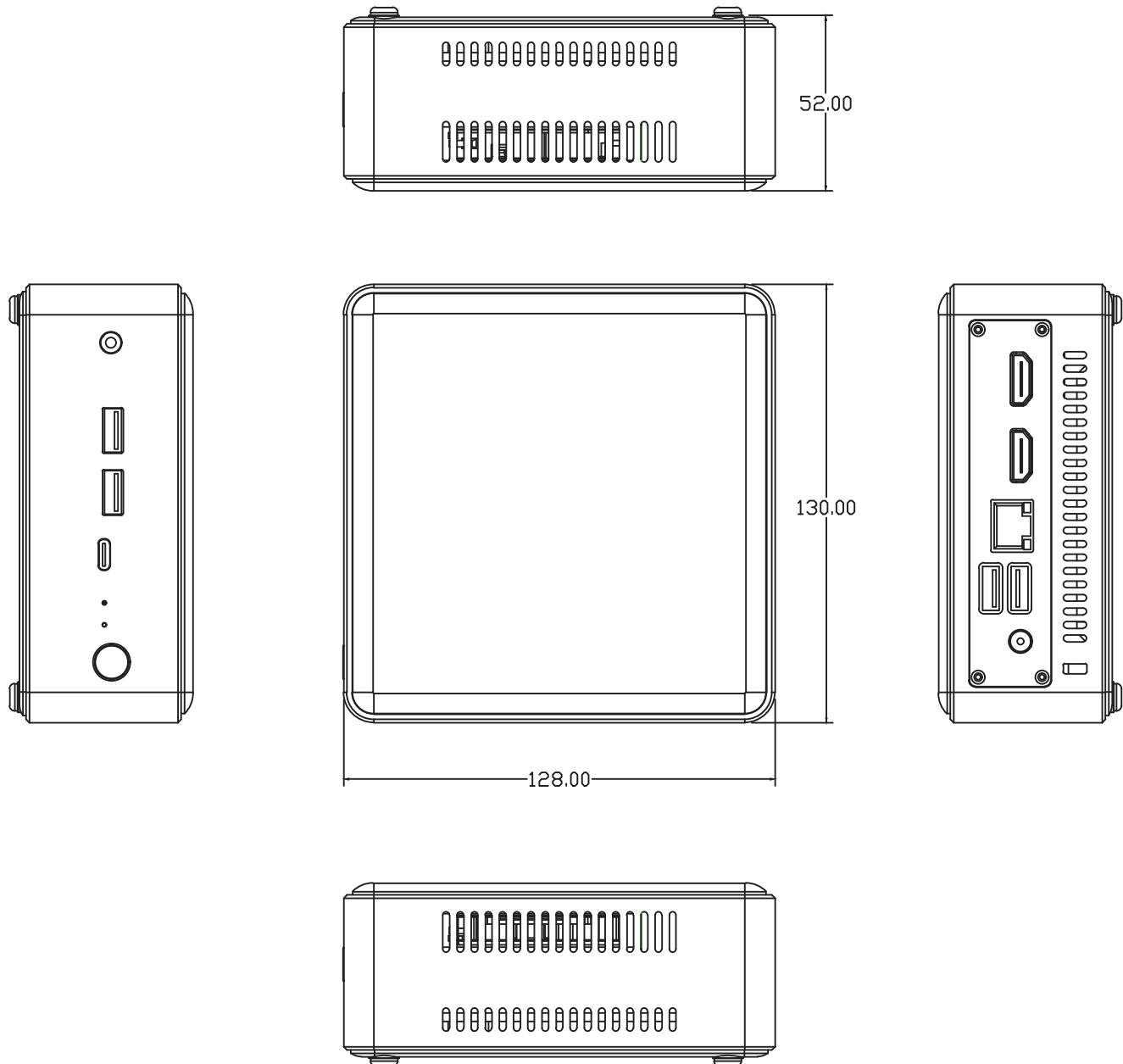
Bluetooth

## Technical Specifications

|                  |                  |                                                                |                |
|------------------|------------------|----------------------------------------------------------------|----------------|
| Processor        | AMD Ryzen™       | Ryzen™ 7 7735HS                                                | Ryzen™ 5 6600H |
|                  | # of CPU Cores   | 8                                                              | 6              |
|                  | # of Threads     | 16                                                             | 12             |
|                  | Max. Boost Clock | 4.75GHz                                                        | 4.5GHz         |
|                  | Base Clock       | 3.2GHz                                                         | 3.3GHz         |
|                  | L1 Cache         | 512KB                                                          | 384KB          |
|                  | L2 Cache         | 4MB                                                            | 3MB            |
|                  | L3 Cache         | 16MB                                                           | 16MB           |
|                  | AMD Radeon™      | 680M                                                           | 660M           |
| Graphics         | Display via      | 2xHDMI2.0 plus DisplayPort 1.4 through USB-C                   |                |
|                  | 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 Full Functioned                                        |                |
|                  |                  | Support USB 3.2 Gen 2 upstream/DisplayPort 1.4 Alt Mode        |                |
|                  | Wired Control    | Optional                                                       |                |
|                  | TPM              | Optional                                                       |                |
|                  | Size             | 128 mm x 130 mm x 52mm (L x W x H)                             |                |
|                  | Standard Port    | 19V/20V DC-in                                                  |                |
|                  | 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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