

# MTN-FP850

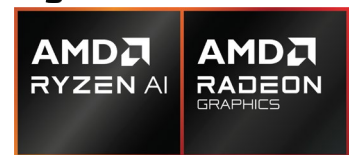
AMD Ryzen™/Ryzen™ AI FP8 200/300 Series Processor  
with Radeon™ Graphics based Ultra-Compact Mini PC



## Features

- CPU: AMD Ryzen™/ Ryzen AI FP8 200/300 Series Processor
- Memory: Dual Channel DDR5 for Memory up to 96GB
- Display: AMD Radeon™ Graphics, Displays via HDMI+DP+USB4
- I/O Ports: 2xUSB-C(1\*USB4+1\*USB3.2\_10Gbps), 2xUSB3.2, 1xUSB2.0, 2xLAN(2.5GbE), Audio
- Storage: 2xM.2\_Key M Slot for 2280 NVMe SSD
- Expansion: 1xM.2\_Key E Slot for 2230 WiFi and Bluetooth
- Power: 19V/20V DC-in

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## Introduction

The Maxtang MTN-FP850 is an ultra-compact mini PC powered by the latest AMD Ryzen™ and Ryzen™ AI 200/300 Series Processors with integrated AMD Radeon™ Graphics. Designed for high-performance computing in a small form factor, it supports up to 96GB DDR5 dual-channel memory, multiple 8K/4K display outputs, and flexible storage with dual NVMe SSDs.

Equipped with USB4, HDMI 2.1, and DP 2.1 interfaces, the MTN-FP850 delivers exceptional graphics performance and supports triple-display setups for immersive visual experiences. Dual 2.5GbE LAN, onboard TPM (optional), and rich I/O connectivity make it suitable for applications ranging from edge computing, digital signage, and AI workloads to enterprise-level productivity.

With its compact 127 x 129 x 55 mm design, reliable active cooling, and wide OS support (Windows 10/11 and Linux), the MTN-FP850 offers a perfect balance of power, versatility, and efficiency in a space-saving form factor.



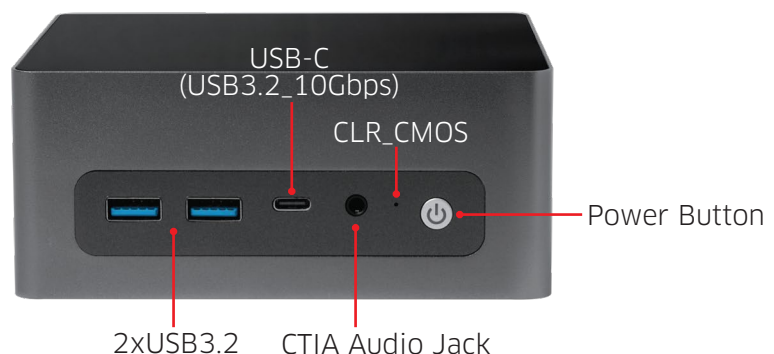
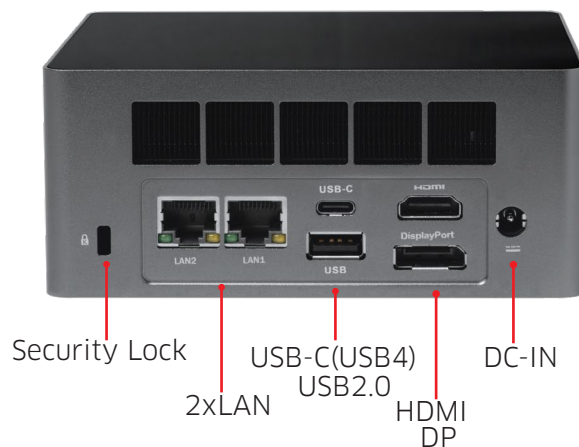
H/W Monitor



Watchdog



## I/O Interfaces

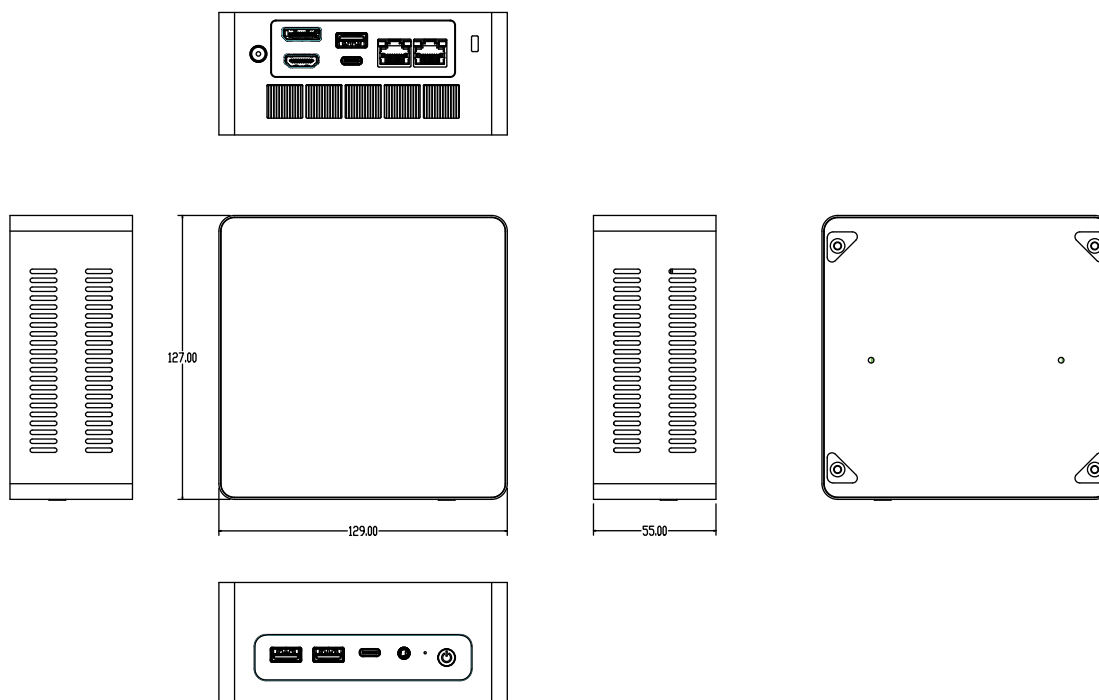


## Technical Specifications

|                  |                        |                                                                |          |           |
|------------------|------------------------|----------------------------------------------------------------|----------|-----------|
| Processor        | AMD Ryzen™/Ryzen™ AI   | H255                                                           | 260      | HX370     |
|                  | # of Cores/Threads     | 8C/16T                                                         | 8C/16T   | 12C/24T   |
|                  | Max. Boost Clock       | 4.9GHz                                                         | 5.1GHz   | 5.1GHz    |
|                  | Base Clock             | 3.8GHz                                                         | 3.8GHz   | 2GHz      |
|                  | L2/L3 Cache            | 8MB/16MB                                                       | 8MB/16MB | 12MB/24MB |
|                  | Default TDP            | 45W                                                            | 45W      | 45W       |
| GPU              | AMD Radeon™Graphics    | 780M                                                           | 780M     | 890M      |
| NPU              | AI Engine Capabilities | N/A                                                            | YES      | YES       |
|                  | BIOS                   | AMI UEFI BIOS                                                  |          |           |
| Memory           | Type                   | Dual Channel SO-DIMM DDR5                                      |          |           |
|                  | Max. Capacity          | 96GB                                                           |          |           |
| Display          | GPU                    | Integrated AMD Radeon™ Graphics. Support multiple displays.    |          |           |
|                  | Max. Resolution        | 7680x4320@60Hz/3840x2160@240Hz                                 |          |           |
| Ethernet         | Interface              | 1xDP2.1, 1xHDMI2.1, 1xUSB4                                     |          |           |
|                  | Controller             | 2xRealtek RTL8125                                              |          |           |
|                  | Speed                  | 10/100/1000/2500Mbps                                           |          |           |
| Audio            | Interface              | 2xRJ45                                                         |          |           |
|                  | Audio Codec            | Realtek HD ALC897                                              |          |           |
| Hardware         | Interface              | 1xCTIA 2in1 Audio Jack, supports Line-out+Mic-in               |          |           |
|                  |                        | CPU temperature, System temperature, Onboard voltage, Watchdog |          |           |
| Storage          | M.2_N1/N2              | 2xM.2 Key M Slot for 2280 NVMe SSD                             |          |           |
| Expansion        | M.2_E                  | 1xM.2 Key E Slot for 2230 Wi-Fi&Bluetooth Module               |          |           |
| Other I/O        | USB3.2                 | 2xUSB3.2                                                       |          |           |
|                  | USB2.0                 | 1xUSB2.0                                                       |          |           |
|                  | USB-C                  | 2xUSB-C(Front:1*USB 3.2_10Gbps.Rear:1*USB4 full-funcationed.)  |          |           |
|                  | TPM                    | Optional                                                       |          |           |
| Dimension        | Size                   | 127 mm x 129 mm x 55mm (L x W x H)                             |          |           |
|                  | Weight                 | N.W. Barebone: 0.685KG                                         |          |           |
| 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 | H255/260               | Windows10/11 64bit, Linux 64bit.                               |          |           |
|                  | HX370                  | Windows11 64bit, Linux 64bit.                                  |          |           |

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

## Dimension



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