

12th Gen Intel® i7-1255U 2 LAN, 2 COM, 8 USB, Wifi/4G WWAN Fanless Industrial Appliance

https://www.pondesk.com/product/MNHO-117

Features

- High-performance mini Fanless Industrial Appliance
- Powered by Intel® Core™ i7-1255U (10 Core, 4.7 GHz, 15W)
- Supports up to 32GB DDR4 SODIMM Memory
- Dual Intel® i210-AT GbE ports
- 2x COM (RS-232/485) ports
- Support M.2 2280 NVMe SSD & 2.5" SATA SSD/HDD
- 1x mini PCIe slot for Wi-Fi, Bluetooth, GNSS, or 4G WWAN networks
- 4x USB3.0 & 4x USB2.0 Type-A ports
- HDMI HD display
- Support Windows/Linux etc
- Designed with enhanced structural durability, making it an excellent choice for industrial applications



I/O Interfaces



Specifications

Processor

11th Gen Intel Core™ i7-1255U processor

Memory

2x SO-DIMM DDR4 up to 32GB

Storage

1x 2.5" SATA HDD/SSD
1x NVMe 2280 SSD

Display

1x HDMI

Expansion Slots

1x Full length Mini PCIe

I/O Interfaces

2x USB 2.0, 4x USB 3.0
6x COM (2x RS-232/485)
2x RJ45 GbE Intel I210AT
1x SIM card slot (inside)
2x SMA antenna holes

RF Communication

Wi-Fi: Mini PCIe expansion (optional)
Cellular: Mini PCIe expansion (optional)
Bluetooth: PCIe expansion (optional)
GNSS: Mini PCIe expansion (optional)

Audio

Mic, line out

OS

Support Windows 10/11
Support Linux, Ubuntu

Power

DC Input: 12VDC
Input Type: AT/ATX

Environment

Operating Temperature: -10 to 50° C
Storage Temperature: 20 to 60° C
Relative Humidity: 10% to 95% @ 40°C (104°F), non-condensing

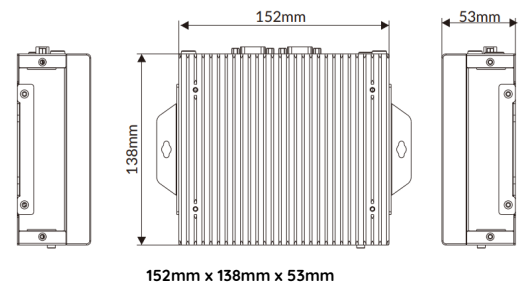
Mechanical

Dimensions (W x D x H): 152x 138x 53mm
Material: Aluminum alloy
Mounting: Wall mount

Certification

CE, FCC, RoHS, UKCA

Dimensions



Optional Accessories

8GB/16GB/32GB SO-DIMM DDR4 Memory
128GB/256GB/512GB/1TB/2TB 2.5" SSD/HDD
256GB/512GB/1TB/2TB NVMe SSD
802.11 b/g/n/AX 4G LTE