

Partaker I38-A

Intel® 14th Gen Core™ Ultra processor
Embedded PC



Features:

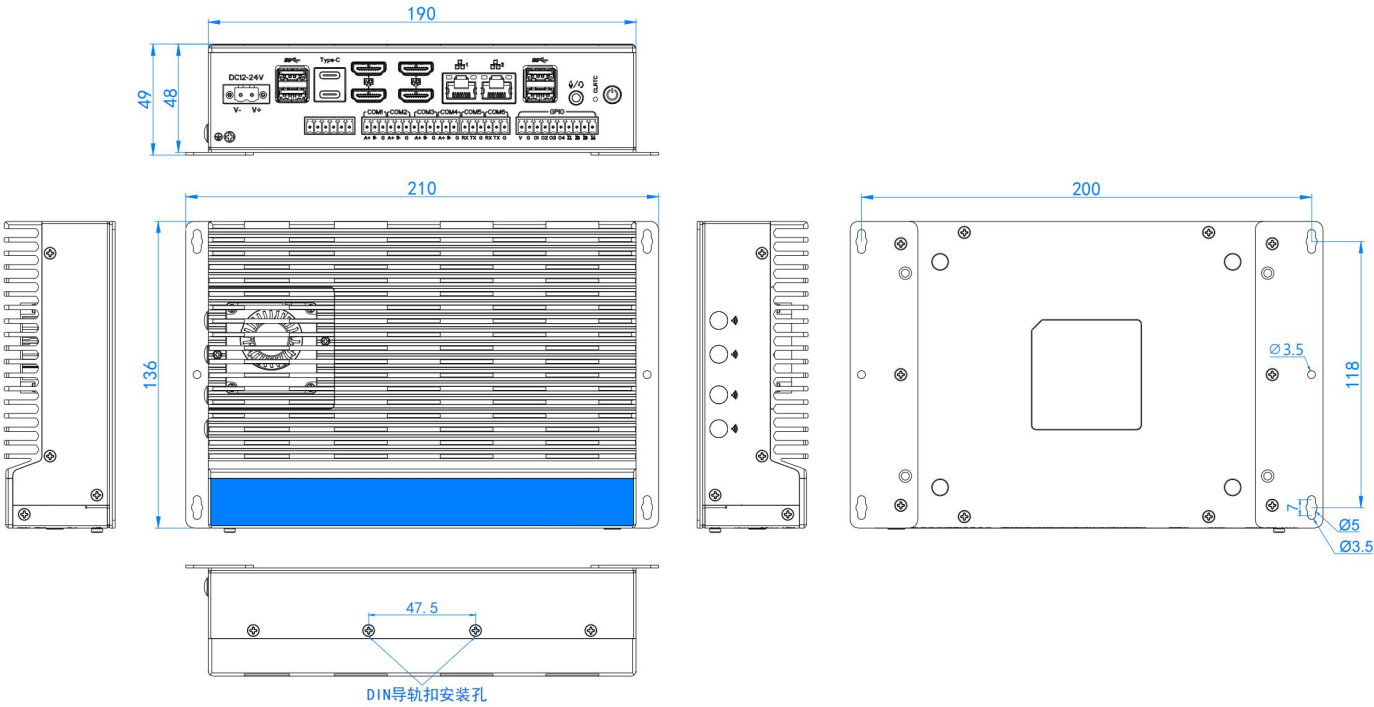
- ◇ Onboard 14th gen Intel Core Ultra processor;
- ◇ 3× M.2 slots , 2× MINI PCIE slots;
- ◇ 2× USB 3.1 , 2× 2.5G Lan (optional 3 Lan);
- ◇ 4× HDMI+2× Type-C, 4 displays;
- ◇ 1× 4-in-4-out GPIO (with optocoupler isolation);
- ◇ 6× COM (4 RS485, 2 RS232);
- ◇ 2P DC 12-24V wide voltage input;
- ◇ Applicable system:



Specification

Model	Partaker I38-A
Material	Premium aluminum alloy + sheet metal structure
Processor	Onboard Intel® Core™ Ultra 5 125U (12C/14T, up to 4.3 GHz) Optional Ultra7 155U, Ultra7 155H, Ultra5 225U
RAM	1× DDR5 4800 MHz SODIMM, up to 32GB
BIOS	AMI EFI BIOS
NPU	Intel® AI Boost (Max Frequency 1.4 GHz)
Display Chip	Intel® Graphics
Display Port	4× HDMI (sync/async quad display, up to 4096×2160 @ 60Hz)
I/O Port	2× Intel 2.5G LAN, 2× USB 3.1, 2× USB 2.0 (optional 1×2.5G LAN) 4× HDMI, 2× Full-function Type-C (DP / USB 3.2 / PD 5V 1A) 1× 2P DC input, power button, 1× audio combo jack, CLRTC button 1× 4-in/4-out GPIO (optically isolated, 9–36V support), 6× COM (COM1–4: RS485, COM5–6: RS232)
Expansion Slot	2× M.2 2280 M-key (NVMe, PCIe 4.0 x4) 2× Mini PCIe (PCIe & USB 2.0, supports 4G/WiFi), 2× onboard SIM slots 1× M.2 2230 E-key (PCIe & USB / CNVio2, supports WiFi/BT) Optional (not populated by default): 8× GPIO
Network	2× Intel I226-V 10/100/1000/2500M Ethernet (optional 3× LAN) LAN1 optional Intel I226-LM with vPro support (not populated by default)
Storage	2× M.2 2280 M-key; optional 1× 2.5" drive bay
Input Voltage	DC 12–24V wide voltage input, 2-pin 5.08mm Phoenix connector
Other Function	Power-on after failure, scheduled power-on, Wake-on-LAN, PXE boot, watchdog (0–255 levels), TPM 2.0
Work Temp	0°C to +40°C (commercial HDD), -20°C to +60°C (industrial SSD), with airflow
Work Humidity	5%–95% (non-condensing)
Certificates	CE、CCC、FCC Class A、RoHS
Dimension	190×136×48 mm (excluding wall-mount bracket)
Net Weight	1.49kg(including wall-mount bracket)
Application	Industrial automation, medical, logistics & warehousing, machine vision, etc.

Drawing



Packing list

Name	Quantity	Note
Power Adapter	1	12V-7.5A
Power Cable	1	CN、US、UK、EU.etc
Wall Mount	2	Standard

Order Information

Configuration 1	I38-A	Intel Ultra5 125U,2LAN/4USB/Type-C/6COM / GPIO	Standard I/O
Configuration 2		Intel Ultra5 125U,3LAN/2USB/Type-C/6COM / GPIO	Standard I/O (Inventory inquiries please contact us)



2 LAN



3 LAN