



FEATURES

- 4 x Intel 1GbE LAN controller
- 2 x USB3.0, 2 x USB2.0
- 1 x RS232, 1 x RS485
- 1 x miniPCle expansion slot, support WiFi, 3G/4G modules
- 2 x Programmable LEDs
- Support wall-mounted or DIN-Rail fixing style

SPECIFICATIONS

System

CPU	Intel® N97, 4 cores, 6MB Intel Smart Cache
Memory	1 x SO-DIMM, DDR4 3200MHz(Up to 16GB)
Storage	1 x M.2 SSD 2242 M-Key
Display	1 x DP, Support to 4096x2160 @60Hz 1 x HDMI, Support to 3840x2160 @30Hz
USB	2 x USB3.0 2 x USB2.0
COM	1 x RS232(COM1), 1 x RS485(COM2)
LAN	4 x Intel i210-AT 1GbE LAN
Audio	1 x Mic in/line out(ALC897,3.5mm Audio port)
Expansion	1 x Full-size PCIe Mini slot with SIM card holder
TPM	TPM2.0
Watchdog	1~255 levels programmable

OS

OS Support	Windows 10, Ubuntu
------------	--------------------

Power

Input Voltage	DC 12-24V, overcurrent, overvoltage and polarity inverse protection
Power Consumption	Max. 90W

Mechanical

Structure	Aluminum-magnesium alloy box, overvoltage and polarity inverse protection
Dimensions	170x112x48mm (6.7x4.4x1.9in)
Net Weight	1.25kg (2.8lb)

Environment

Operating Temperature	-20~60°C (-4~140°F)with air flow(SSD)
Storage Temperature	-40~80°C (-40~176°F)with air flow(SSD)
Relative Humidity	5~95%(no condensing)
Vibration	5~500Hz, 1.5Grms@with SSD, Follow IEC60068-2-64
Shock	20G peak acceleration(11ms duration) with SSD, Follow IEC60068-2-27
EMC	CE/FCC

OPTIONS

System

Memory	SO-DIMM DDR4-3200MHz, support 4GB, 8GB, 16GB
Storage	M.2 2242 SSD, support 64GB, 128GB, 256GB, 512GB, 1TB

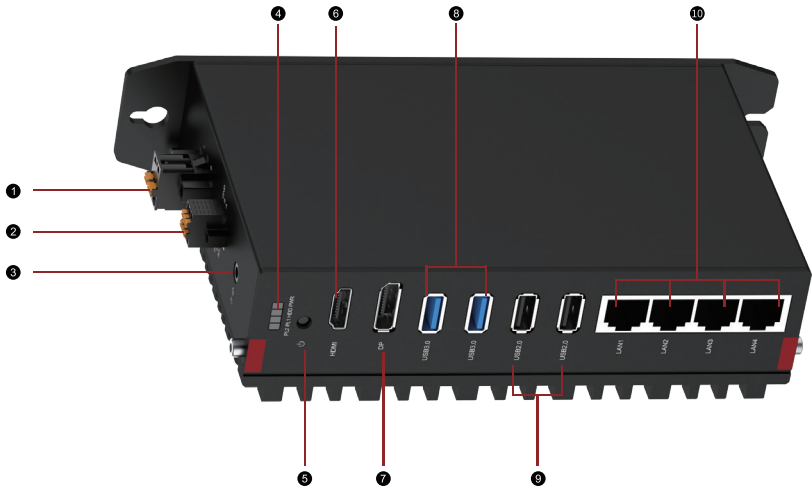
Communications

3G/4G	mini PCIe, EC20, EG25, EC25
WiFi & Bluetooth	mini PCIe, Intel 7260

Expansion

Mount Option	DIN rail that complies with IEC 60715(width:35mm, thickness: 1mm)
--------------	---

I/O LAYOUT



- | | | | | |
|----------------|------------------------|--------------|--------------|-------------------|
| 1 DC IN 12-24V | 2 1 x RS232, 1 x RS485 | 3 1 x Audio | 4 LEDs | 5 Power On Button |
| 6 HDMI | 7 DP | 8 2 x USB3.0 | 9 2 x USB2.0 | 10 4 x GbE LAN |

PRODUCT DIMENSIONS

(unit: mm)

