

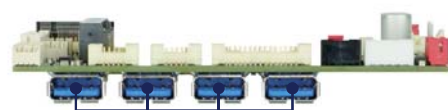
2I130HW

2.5" Plus Embedded SBC supports

13th Gen Intel® Core™ Raptor Lake P / Raptor Lake U i7 / i5 / i3 CPU

12th Gen Intel® Core™ Alder Lake P / Alder Lake U i7 / i5 / i3 CPU

1 x HDMI®, 1 x eDP, 1 x LVDS, 2 x Intel 2.5Gb Ethernet, 1 x M.2,
1 x Mini PCIe, 4DI / 4DO, 4 x USB 3.2, 4 x USB 2.0, 2 x COM, Audio



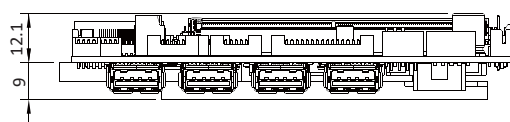
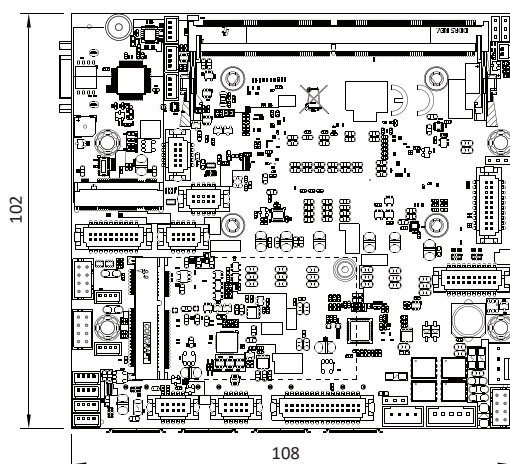
USB 3.2 Gen 1 x 1



Features:

- 13th Gen Intel® Core™ Raptor Lake P / Raptor Lake U i7 / i5 / i3 CPU
- 12th Gen Intel® Core™ Alder Lake P / Alder Lake U i7 / i5 / i3 CPU
- 1 x DDR5 SODIMM (Max. 32GB)
- Multiple Independent display: HDMI®, eDP, LVDS
- 2 x Intel 2.5 GbE LAN, 4 x USB 3.2 Gen 1 x 1 (type A), 4 x USB 2.0
- 2 x COM, 4DI / 4DO, HD Audio
- 1 x Mini PCIe, 1 x M.2 B Key
- TPM 2.0

Dimensions: (Unit:mm)



Specifications :

- CPU**
13th Gen Intel® Core™ Raptor Lake P / Raptor Lake U i7 / i5 / i3 CPU
12th Gen Intel® Core™ Alder Lake P / Alder Lake U i7 / i5 / i3 CPU
- MB Chipset**
Intel® Raptor Lake / Alder Lake SoC
- Graphics**
Intel UHD Graphics
- System Memory**
1 x DDR5 5200 / 4800 MHz SODIMM, Max 32GB
- Storage**
1 x SATA port
1 x Mini Card Support mSATA
1 x M.2 B key Type 2242, Support NVMe SSD
- BIOS**
AMI UEFI BIOS
- Display**
1 x HDMI®, 1 x eDP, 1 x Dual Channel, 48 bit LVDS
Touch Screen controller
- TPM**
TPM 2.0
- LAN**
2 x Intel 2.5GbE I226-IT (internal)
- Audio**
High Definition Audio Specification, Support Line-out / Mic-in / Line-in
Two channel Class D Audio Amplifier
- Expansion Interface**
1 x Full Size Mini PCIe (PCIe / SATA / USB 2.0),
1 x M.2 B key Type 2242 (PCIe x2 / USB 2.0), Support NVMe

Expansion Options

CN064	M.2 B key 2242 to M.2 E Key 2230, WiFi 6 + BT
CN059	USB to Line-out / Mic-in
CC007	USB to 4 port COM
CIO116G	SMBus to 8DI + 8DO
PW351	1 port PoE PSE
PW352	2 port PoE PSE
PW301	802.3AF / AT PD module
PW205	Wide Range power board (9~36V) with power Ignition on/off delay
PW206	12V / 24V DC to DC Redundant Power Board
PW022	Wide Range power board (24V / 48V)
DP001	eDP to VGA
eDP003	eDP to DVI
eDP004	eDP to HDMI®
eDP001	eDP to LVDS (OEM)

- USB**
4 x USB 3.2 Gen 1 x 1 (Type A-external)
4 x USB 2.0 (internal)
- Serial IO**
2 x RS232 / 422 / 485 (internal)
*COM1, COM2 pin9 5V / 12V (Option)
- GPIO**
Hardware digital Input & Output, 4 x DI / 4 x DO
- SMBus / I²C**
1 x SMBus / 1 x I²C
- WDT**
Hardware Watch Dog Timer, 0~255 sec programmable
- Power Input**
Wide Range DC IN +9~36V
- Dimension**
2.5" Plus (108 x 102 mm) ; Weight: 105g
- Operation Temperature (100% CPU Usage)**
-20°C ~ +70°C (under specific environmental & CPU power consumption conditions)
-40°C ~ +70°C (1315URE / 1345URE / 1365URE)
- Operation Humidity**
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)**
Waterproof SYSTEM / Panel PC, OEM Chassis
- OS Support**
Windows® 10 IOT ; Windows® 11 IOT
Ubuntu 22.04.3 LTS, kernel 6.2.0-36-generic

Specification are subject to change without prior notice. ODM / OEM is available.