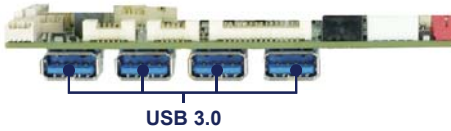


# 2I130HW

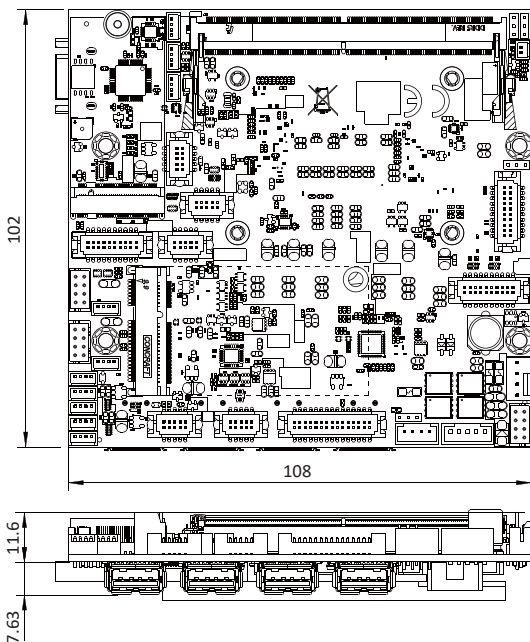
2.5" Embedded SBC supports  
**Intel® 12th Gen Alder Lake-P / Alder Lake-U i7 / i5 / i3, Celeron CPU,**  
**Intel® 13th Gen Raptor Lake-P/ Raptor Lake-U i7 / i5 / i3, Celeron CPU,**  
 1 x HDMI, 1 x eDP, 1 x LVDS, 2 x Intel 2.5Gb Ethernet, 1 x M.2,  
 1 x Mini PCIe, 4DI / 4DO, 4 x USB 3.0, 6 x USB 2.0, 2 x COM, Audio



## Features:

- Intel® 12th Gen Alder Lake-P / Alder Lake-U  
 Intel® 13th Gen Raptor Lake-P/ Raptor Lake-U  
 i7 / i5 / i3, Celeron CPU
- 1 x DDR5 SODIMM (Max. 32GB)
- Multiple Independent display: HDMI, eDP, LVDS
- 2 x Intel 2.5 GbE LAN, 4 x USB 3.0 (type A), 6 x USB 2.0
- 2 x COM, 4DI / 4DO, HD Audio
- 1 x Mini PCIe, 1 x M.2 M Key
- TPM 2.0

## Dimensions: (Unit:mm)



## Specifications :

- CPU  
 Intel® 12th Gen Alder Lake-P / Alder Lake-U i7 / i5 / i3, Celeron CPU  
 Intel® 13th Gen Raptor Lake-P/ Raptor Lake-U i7 / i5 / i3, Celeron CPU
- MB Chipset  
 Intel® Alder Lake-P / Alder Lake-U SoC  
 Intel® Gen Raptor Lake-P/ Raptor Lake-U SoC
- Graphics  
 Intel Iris Xe Graphics (i7, i5), Intel UHD Graphics (i3, Celeron)
- System Memory  
 1 x DDR5 4800 MHz SODIMM, Max 32GB
- Storage  
 1 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)  
 1 x M.2 M key Type 2242 (PCIe x4 / SATA), Support NVMe  
 1 x M.2 B key Type 3042 (SATA)
- 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 (Firmware) ; OEM Optional to Hardware 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 / USB 2.0),  
 1 x M.2 M key Type 2242 (PCIe x4 / SATA), Support NVMe

### Expansion Options

CN064	M.2 B key 2242 to M.2 E Key 2230, WiFi 6 + BT
CN067	M.2 B key 2242 to M.2 B Key 2252, 4G / 5G (3.7V by BOM Control)
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 3.0 (Type A-external)  
 6 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 / I<sup>2</sup>C  
 1 x SMBus / I<sup>2</sup>C
- WDT  
 Hardware Watch Dog Timer, 0~255 sec programmable
- Power Input  
 Wide Range DC IN +9~36V
- Dimension  
 2.5" (108 x 102 mm)
- Operation Temperature (100% CPU Usage)  
 -20°C~70°C (100% CPU Usage, not-underclocking)
- 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 above, Fedora 36 above

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