

2I130HW

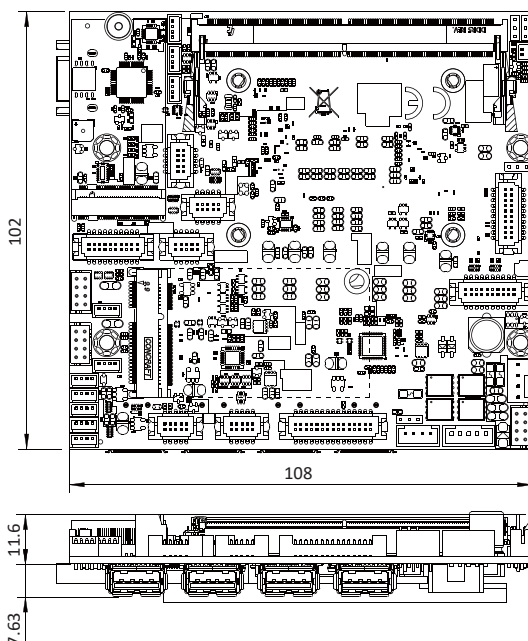
2.5" Embedded SBC supports
 Intel® 13th Gen Raptor Lake-U / ;
 Intel® 12th Gen Alder Lake-U i7 / i5 / i3, Celeron Pentium CPU
 1 x HDMI, 1 x eDP, 1 x LVDS, 2 x Intel 2.5Gb Ethernet, 1 x M.2,
 1 x Mini PCIe, 4DI / 4DO, 4 x USB 3.0, 5 x USB 2.0, 2 x COM, Audio



Features:

- Intel® 13th Gen Raptor Lake-U
Intel® 12th Gen 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 3.0 (type A), 5 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® 13th Gen Raptor Lake-U i7 / i5 / i3, Pentium CPU
Intel® 12th Gen Alder Lake-U i7 / i5 / i3, Celeron CPU
- MB Chipset
Intel® Raptor Lake / Alder Lake SoC
- Graphics
Intel UHD Graphics
- 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
- 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 / 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
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)
5 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" (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