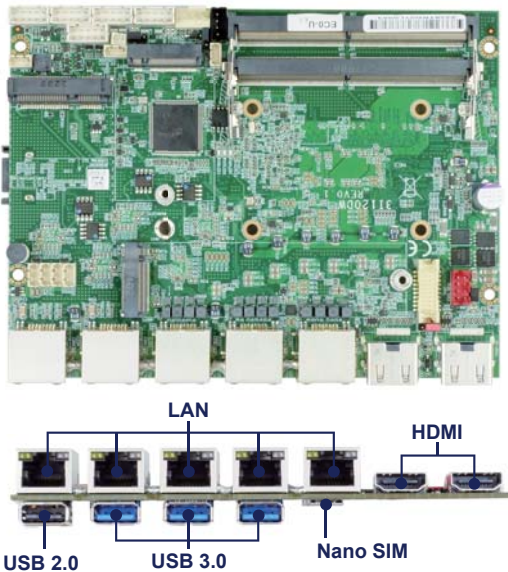


# 3I130DW

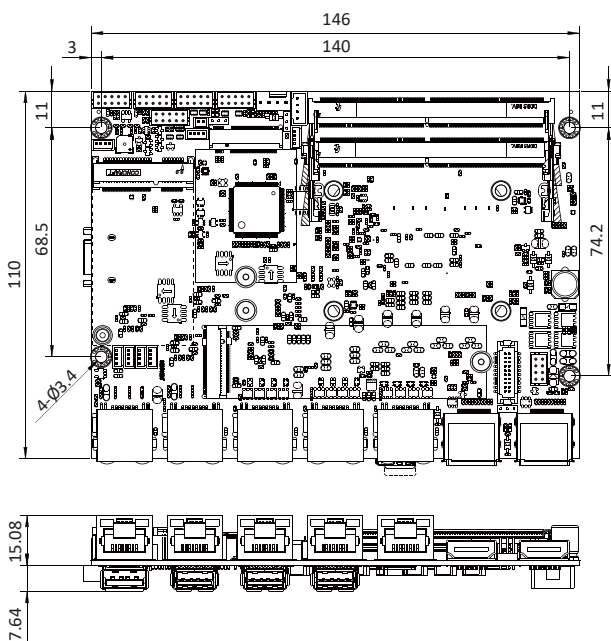
3.5" Plus Embedded SBC supports  
 Intel® 12th Gen Alder Lake-P / Alder Lake-U i7 / i5 / i3, Celeron CPU,  
 Intel® 13th Gen Raptor Lake-P/ Raptor Lake-U i7 / i5 / i3, Celeron CPU,  
 2 x HDMI, 1 x eDP, 5 x Intel 2.5Gb Ethernet, 2 x M.2, 1 x Mini PCIe  
 4DI / 4DO, 3 x USB 3.0, 5 x USB 2.0, 2 x COM, 1 x Nano SIM



## Features:

- Intel® 12th Gen Alder Lake-P / Alder Lake-U  
Intel® 13th Gen Raptor Lake-P/ Raptor Lake-U  
i7 / i5 / i3, Celeron CPU
- 2 x DDR5 SODIMM (Max. 64GB)
- Multiple Independent display: 2 x HDMI, eDP
- 5 x Intel 2.5 GbE LAN, 3 x USB 3.0, 5 x USB 2.0
- 1 x Mini PCIe, 1 x M.2 M Key, 1 x M.2 B Key, 1 x Nano SIM
- 2 x COM, 4DI / 4DO
- TPM 2.0, SMBus, I<sup>2</sup>C

## 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**  
2 x DDR5 4800 MHz SODIMM, Max 64GB
- 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 2280 (PCIe x4), Support NVMe  
1 x M.2 B key Type 3042 (SATA)
- BIOS**  
AMI UEFI BIOS
- Display**  
2 x HDMI (OEM to DP), 1 x eDP
- TPM**  
TPM 2.0 (Firmware) ; OEM Optional to Hardware TPM 2.0
- LAN**  
5 x Intel 2.5GbE I226-IT (external)
- 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 2280 (PCIe x4), Support NVMe,  
1 x M.2 B key Type 3042 / 3052 (mSATA / USB 3.2 / USB 2.0)  
1 x Nano SIM

### 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**  
3 x USB 3.0 (external)  
1 x USB 2.0 (external) ; 4 x USB 2.0 (internal)
- Serial IO**  
2 x RS232 / 422 / 485 (internal)  
\*COM1, COM2 pin9 5V / 12V (option)
- 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**  
3.5" Plus (146 x 110 mm)
- Operation Temperature**  
-20°C~70°C  
(100% CPU Usage, not-underclocking)
- Operation Humidity**  
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)**  
Box PC: SKY 3
- OS Support**  
Windows® 10 IOT ; Windows® 11 IOT  
Ubuntu 22.04 above, Fedora 36 above