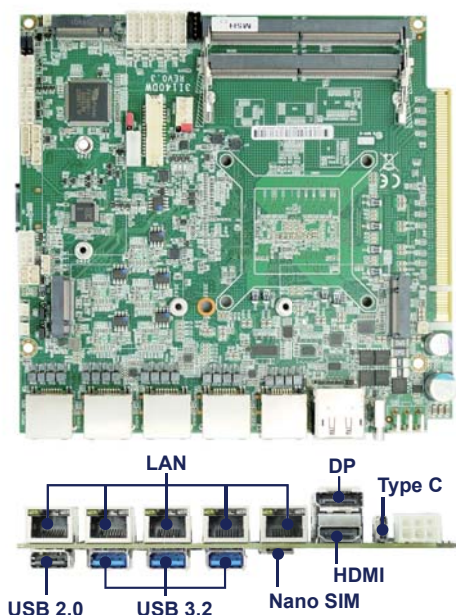


# 3I140DW

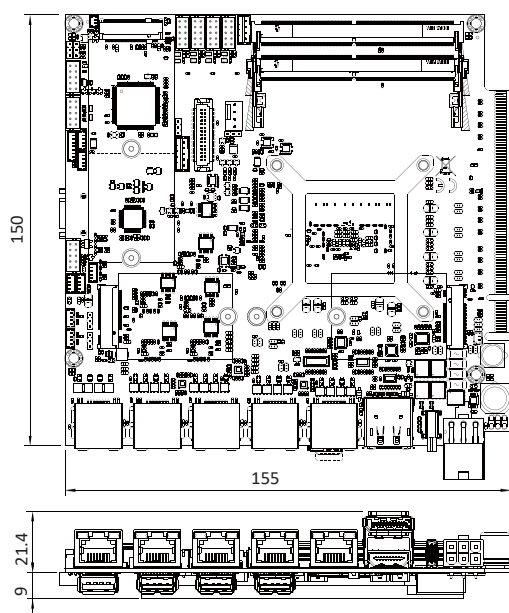
**3.5" Embedded SBC supports Intel® Core™ Ultra processors (14th Gen Meteor Lake-U/H) (15th Gen Arrow Lake)**  
**1 x HDMI®, 1 x DP, 1 x LVDS, 1 x Type C 5 x Intel 2.5Gb Ethernet, 3 x M.2, 1 x PCIe x 16 golden Finger, 4DI/4DO, 3 x USB 3.2, 3 x USB 2.0, 4 x COM, 1 x Nano SIM, 2 x CANBus, Audio**



## Features:

- Intel® Core™ Ultra 7/5 processors
- 2 x DDR5 SODIMM (Max. 64GB)
- Multiple Independent display:
  - 1 x HDMI®, 1 x DP, 1 x LVDS, 1 x Type C DP ALT
- 5 x Intel 2.5 GbE LAN, 3 x USB 3.2 Gen 1x1, 3 x USB 2.0
- 1 x M.2 M Key, 2 x M.2 B Key, 1 x Nano SIM, 1 x PCIe x16
- 4 x COM, 2 x CANBus 4DI/4DO, Audio
- TPM 2.0, SMBus, I2C, I2S

## Dimensions: (Unit:mm)



## Specifications :

- CPU
  - Intel® Core™ Ultra 7/5 Series processors
- Graphics
  - Intel® Arc™ graphics ; Intel® UHD Graphics
- System Memory
  - 2 x DDR5 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
- BIOS
  - AMI UEFI BIOS
- Display
  - 1 x HDMI® ; 1 x DP ; 1 x Type C DP ALT,
  - 1 x LVDS / eDP (eDP for OEM)
- TPM
  - 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 M.2 M key Type 2280 (PCIe x 4), Support NVMe, (OEM to Type 3042)
  - 1 x M.2 B key Type 3042 (USB 3.2 Gne 1x1 / USB 2.0) (OEM to Type 3052)
  - 1 x M.2 B key Type 3042 (PCIe x 2 / USB 2.0)
  - 1 x Nano SIM
  - 1 x PCIe x 16 golden finger with PCIe x 8, PCIe x 4 signal-LEX definition

### Expansion Module

#### Converter Card:

**CN064:** M.2 B Keyto M.2 E Key 2230, WiFi 6 + BT

- USB
  - 3 x USB 3.2 Gen 1x1 (external), 1 x Type C USB 3.2
  - 1 x USB 2.0 (external) ;
  - 2 x USB 2.0 (internal)
- Serial IO
  - 4 x RS232 / 422 / 485 (internal) ; eSPI
  - \*COM1~COM4 pin9 5V / 12V (Option)
- CANBus
  - 2 x CANBus
- SMBus / I2C / I2S
  - 1 x SMBus ; 1 x I2C ; 1 x I2S
- GPIO
  - Hardware digital Input & Output, 4 x DI / 4 x DO
- WDT
  - Hardware Watch Dog Timer, 0~255 sec programmable
- Power Input
  - Wide Range DC IN +9~36V
- Dimension
  - 3.5" Plus (155 x 150 mm)
- Operation Temperature (100% CPU Usage)
  - 40°C~70°C
  - (under specific environmental & CPU power consumption conditions)
- Operation Humidity
  - 5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
  - HAWK
- OS Support
  - Windows 10 / 11 (64bit)
  - Linux Ubuntu 22.04 / Kernel 5.15

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