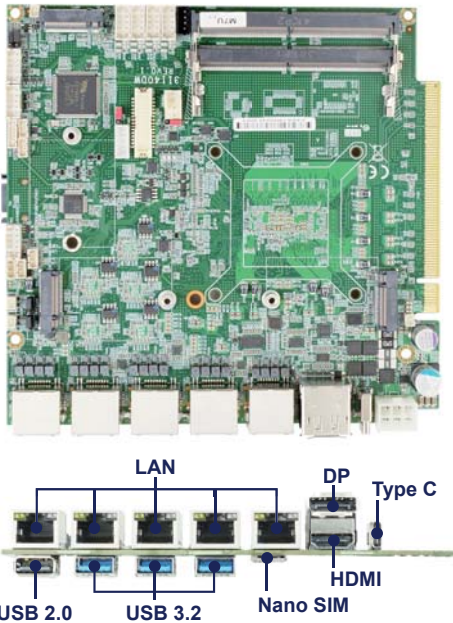


3I140DW

3.5" Embedded SBC supports Intel® Core™ Ultra processors
(14th Gen Meteor Lake-U/H)

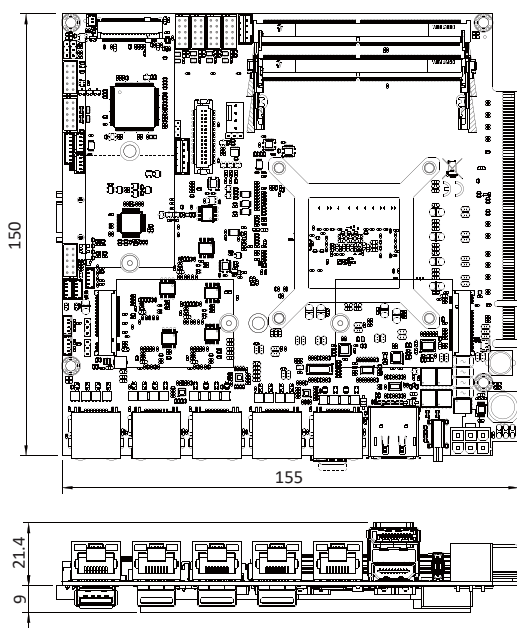
1 x HDMI®, 1 x DP, 1 x LVDS, 1 x Type C 5 x Intel 2.5Gb Ethernet,
3 x M.2, 1 x PCIe x 16 golden Finger, 4DI/4DO, 3 x USB 3.2, 3 x USB 2.0,
4 x COM, 1 x Nano SIM, 2 x CANBus, Audio



Features:

- Intel® Core™ Ultra 7/5 100 Series 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 7/5 100 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 x2 / 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 Key to 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