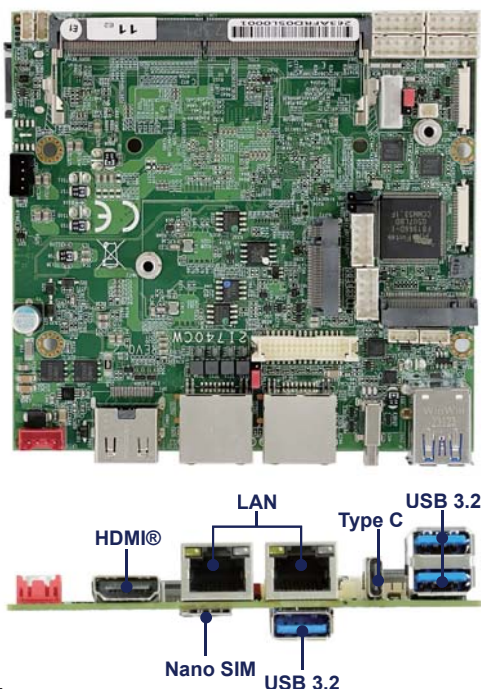


2I740CW

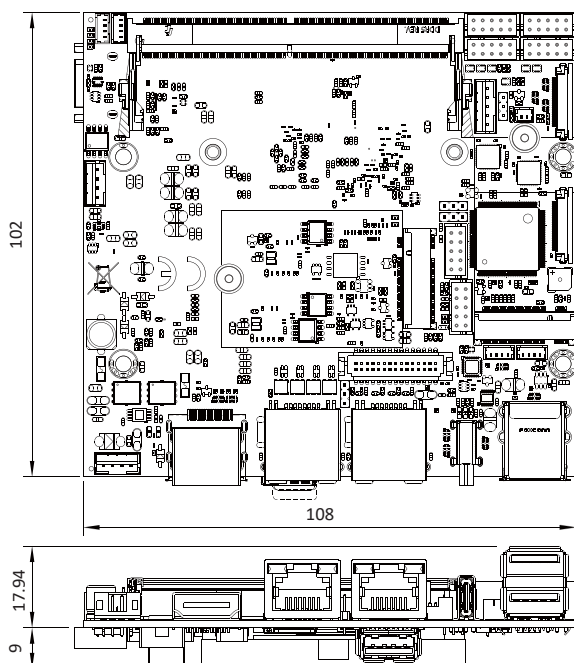
2.5" SBC supports Intel® Amston Lake ATOM® x7000 series CPU
1 x HDMI® ; 1 x USB 3.2 Type C DP ALT ; 1 x LVDS or eDP (BIOS),
2 x Intel 2.5Gb Ethernet, 6 x USB, 4 x COM, 2 x M.2, 1 x Nano SIM,
2 x MIPI-CSI, DI/O



Features:

- Intel® Amston Lake ATOM® x7000 series CPU
- 1 x DDR5 SODIMM, Max. 16GB
- Independent display: 1 x HDMI® ;
1 x USB 3.2 Type C DP ALT ; 1 x LVDS or eDP (BIOS)
- 2 x Intel 2.5 GbE LAN, 3 x USB 3.2 (Type A),
1 x USB 3.2 (Type C) 2 x USB 2.0
- 4 x COM, 2 x M.2, 1 x Nano SIM, 2 x MIPI-CSI
- TPM 2.0, 4DI/4DO

Dimensions: (Unit:mm)



Specifications :

- CPU
Intel® Amston Lake ATOM® x7000 series CPU
- MB Chipset
Intel® Amston Lake SoC
- Graphics
Intel® HD Graphics, Support DirectX 12.1 & OpenGL 4.6
- System Memory
1 x DDR5 SODIMM, Max. 16GB
- Storage
1 x M.2 B Key Type 3042 / 2242 SATA-SSD
1 x M.2 B Key Type 2242 PCIe-SSD
1 x SATA
- BIOS
Insyde UEFI BIOS
- Display
1 x HDMI® ; 1 x USB 3.2 Type C DP ALT Mode ; 1 x LVDS or eDP (BIOS)
- TPM
Hardware TPM 2.0 ; OEM Optional to Firmware TPM 2.0
- LAN
2 x Intel 2.5 GbE I226 (external)
- Expansion Interface
1 x M.2 B Key Type2242 / 3042 (SATA / USB 3.2 / USB 2.0)
1 x M.2 B Key Type2242 (PCIe x2 / USB 2.0)
1 x Nano SIM

Expansion Module

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)

- USB
3 x USB 3.2 Gen 1 (Type A / external) ; 2 x USB 2.0 (internal)
1 x USB 3.2 Type C (Type C / external)
- Serial IO
4 x RS232 / 422 / 485 (internal, BIOS configurable ; Default: RS232)
COM1~COM4 Pin9 with 5V / 12V power output (optional)
- Camera Interface
2 x MIPI-CSI (internal)
- SMBus / I2C
1 x SMBus, 1 x I2C
- GPIO
Hardware digital Input & Output, 4 x DI / 4 x DO
- WDT
Hardware Watch Dog Timer, 0~255 sec programmable
- Power Input
Wide Range +9~36V
- Dimension
2.5" Plus (108W x 102D mm) ; Weight: 100g
- Operation Temperature
-20°C~70°C (100 % CPU Usage)
- Operation Humidity
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
Box PC: NET-II, Panel PC
- OS Support
Windows® 10 IOT ; Windows® 11 IOT
Ubuntu 22.04 above, Fedora 36 above