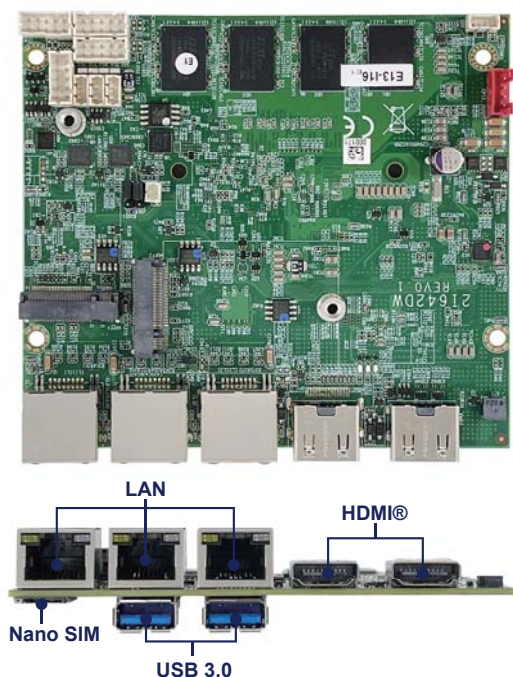


2I642DW

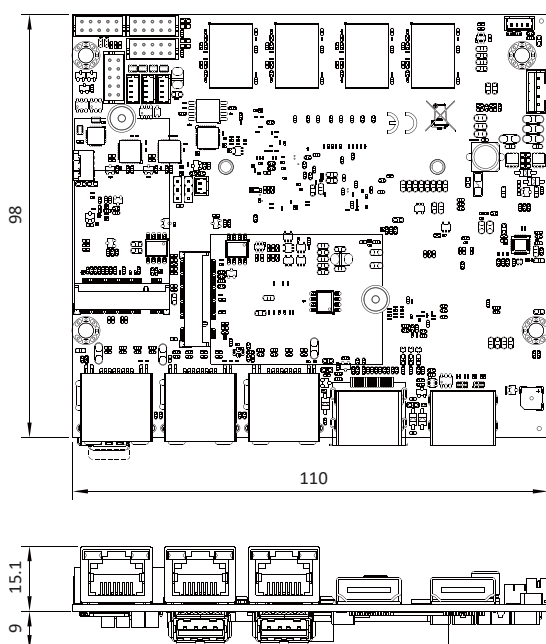
2.5" Plus SBC supports Intel® Elkhart Lake ATOM® x6413E / J6412 CPU, Onboard Memory / Storage, 2 x HDMI®, 3 x Intel 2.5Gb Ethernet, 4DI/4DO, 5 x USB, 2 x COM, 2 x M.2, 1 x Nano SIM



Features:

- Intel®Elkhart Lake ATOM® x6413E / J6412 CPU
- Onboard LPDDR4, 4GB / 8GB / 16GB
- eMMC 5.1 32GB~256GB
- Independent display: 2 x HDMI® (1 can OEM to DP)
- 3 x Intel 2.5 GbE LAN, 2 x USB 3.0, 3 x USB 2.0
- 2 x COM, 4DI/4DO, 2 x M.2, 1 x Nano SIM
- TPM 2.0

Dimensions: (Unit:mm)



Specifications :

- CPU
Intel®Elkhart Lake ATOM® x6413E / J6412 CPU
- MB Chipset
Intel® Elkhart Lake SoC
- Graphics
Intel® HD Graphics, Support DirectX 12.1 & OpenGL 4.5
- System Memory
Onboard LPDDR4 4GB / 8GB / 16GB
- Storage
2 x M.2 NVMe SSD or
1 x M.2 NVMe SSD + 1 x M.2 SATA SSD
eMMC 5.1 32GB~256GB
- BIOS
Insyde UEFI BIOS
- Display
2 x HDMI® (1 can OEM to DP)
- TPM
TPM 2.0
- LAN
3 x Intel 2.5 GbE I226IT (external) / x6413E CPU
Or
3 x Intel 2.5 GbE I226V (external) / J6412 CPU
- Expansion Interface
1 x M.2 B Key Type2242 (PCIe x2 / USB 2.0 / SATA)-NVMe or SATA SSD
1 x M.2 B Key Type2242 / 3042 (PCIe x2 / USB 3.0 / USB 2.0)-NVMe
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)

- USB
2 x USB 3.0 (external) ; 3 x USB 2.0 (internal)
- Serial IO
2 x RS232 / 422 / 485 (internal)
- 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 +9~24V
- Dimension
2.5" Plus (110 x 98 mm) ; Weight: 110g
- Operation Temperature
-20°C~70°C ; -40°C by x6413E CPU
- Operation Humidity
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
Box PC: SKY 2, TERA, NET-III
- OS Support

Windows® 10 IOT ; Windows® 11 IOT

Ubuntu 22.04 above, Fedora 36 above

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