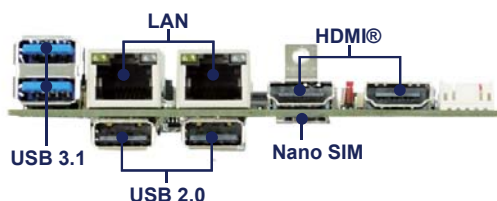


2I640SW

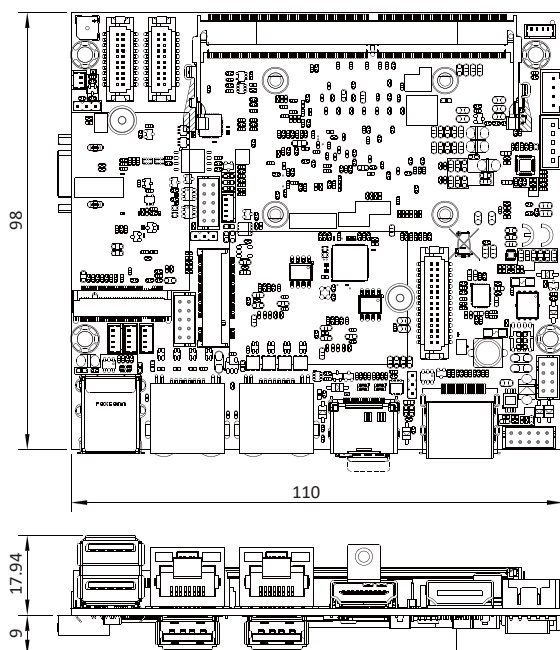
2.5" Embedded IPC Board supports
Intel® Elkhart Lake ATOM® x6413E / J6412 CPU
2 x HDMI®, LVDS, 2 x Intel 2.5 Gb Ethernet, 7 x USB, Touch Screen,
4 x COM, 2 x M.2, 1 x Nano SIM, 4DI/4DO



Features:

- Intel® Elkhart Lake ATOM® x6413E / J6412 CPU
- 1 x DDR4 SODIMM Max 32GB
- Independent display: 2 x HDMI®, LVDS / eDP
- 2 x Intel 2.5 GbE LAN, 2 x USB 3.1, 5 x USB 2.0
- 4 x COM, 2 x M.2, 1 x Nano SIM
- Touch Screen, 4DI/4DO
- TPM 2.0 (Firmware)

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
1 x DDR4 SODIMM Max 32GB
- Storage
1 x SATA
1 x M.2 B Key Type 2242 / 3042 (PCIe / SATA-SSD / USB 2.0), Support NVMe SSD
- BIOS
Insyde UEFI BIOS
- Display
2 x HDMI® (1 can OEM to DP), 1 x LVDS / eDP
- Touch Screen
USB interface Touch Screen controller
- TPM
TPM 2.0 (Firmware) ; OEM Optional to Hardware TPM
- LAN
2 x Intel 2.5 GbE I226 (external)
- Expansion Interface
1 x M.2 B Key Type 2242 / 3042 (PCIe x2 / USB 3.1 / USB 2.0)
1 x M.2 B Key Type 2242 / 3042 (PCIe / SATA / USB 2.0)
1 x Nano SIM

Expansion Options

Mini Card	GPS, 3G / 4G, Wi-Fi, 2 / 4 x LAN, 4 x COM, CANBus, SDI / AHD Video
M.2 Module	4G / 5G, SATA, PCIe
By Cable	Bluetooth, Digital I/O, 2 / 4 PoE, 4 x USB mini card

- USB
2 x USB 3.1 (external) ; 2 x USB 2.0 (external) ; 3 x USB 2.0 (internal)
- Serial IO
4 x RS232 / 422 / 485 (internal)
- GPIO
Hardware digital Input & Output, 4 x DI / 4 x DO
- SMBus
1 x SMBus
- WDT
Hardware Watch Dog Timer, 0~255 sec programmable
- Power Input
Wide Range +9~36V
- Dimension
2.5" plus (110 x 98 mm) ; Weight: 105g
- Operation Temperature (100% CPU Usage)
-20°C~70°C (100 % CPU Usage) ; -40°C by x6413E CPU
- Operation Humidity
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
TERA ; SKY 2 ; NET-II
- OS Support
Windows® 10 IOT (64bit), Windows® 11
Ubuntu 16.04.3 above, Fedora 26 above, CentOS 7.4 above