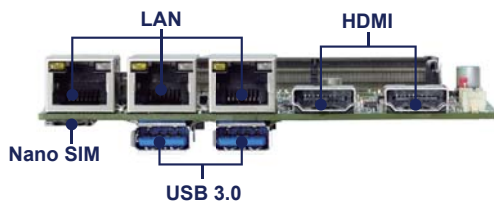


# 2I640DW

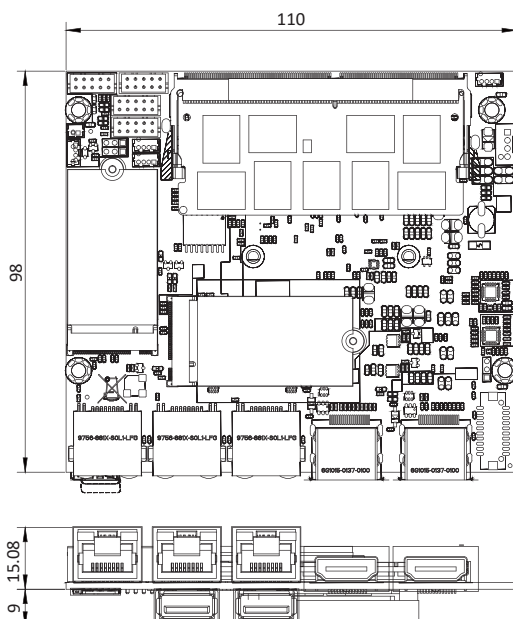
2.5" SBC supports Intel® Elkhart Lake ATOM® x6413E / J6412 CPU  
2 x HDMI, 3 x Intel Gb Ethernet, 4DI / 4DO, 5 x USB, 2 x COM,  
2 x M.2, 1 x Nano SIM



## Features:

- Intel® Elkhart Lake ATOM® x6413E / J6412 CPU
- 1 x DDR4 SODIMM socket, Max. 32GB
- Independent display: 2 x HDMI (OEM to DP), 1 x eDP
- 3 x Intel 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 Quad Core 2.7 GHz CPU
  - Intel® Elkhart Lake Celeron J6412 Quad Core 2.6 GHz CPU
- MB Chipset
  - Intel® Elkhart Lake SoC
- Graphics
  - Intel® HD Graphics, Support DirectX 12.1 & OpenGL 4.5
- System Memory
  - 1 x DDR4 3200 MHz SODIMM, Max. 32GB
- Storage
  - 1 x M.2 B Key Type 3042 / 2242 PCIe-SSD
  - 1 x M.2 B Key Type 2242 SATA-SSD
- BIOS
  - Insyde UEFI BIOS
- Display
  - 2 x HDMI (OEM Option to DP)
- TPM
  - TPM 2.0 (Firmware) ; OEM Optional to Hardware TPM
- LAN
  - 3 x Intel GbE I211AT (external)
- Expansion Interface
  - 1 x M.2 B Key Type 2242 / 3042 (PCIe x2 / USB 3.0 / USB 2.0), 1 x Nano SIM
  - 1 x M.2 B Key Type 2242 (PCIe x2 / USB 2.0 / SATA)

### Expansion Module

M.2 Module 4G / 5G, PCIe

By Cable Bluetooth, Digital I/O, 2 / 4 PoE, 4 x USB mini card

- 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 +9~24V
- Dimension
  - 2.5" (110 x 98 mm)
- Operation Temperature
  - 20°C~70°C (100 % CPU Usage)
- Operation Humidity
  - 5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
  - Box PC: SKY 2, TERA
- OS Support
  - Windows® 10 IOT (64bit)
  - Ubuntu 16.04.3 above, Fedora 26 above, CentOS 7.4 above