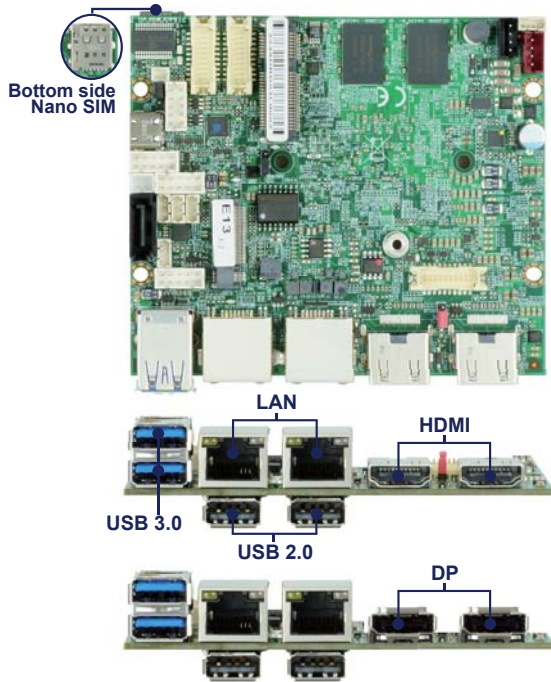


2I640CW

2.5" Embedded IPC Board supports
 Intel® Elkhart Lake ATOM® x6000E Series
 2 x HDMI, eDP, 2 x Intel 2.5 Gb Ethernet, 7 x USB, Touch Screen,
 4 x COM, 1 x M.2, 1 x Mini PCIe, 1 x Nano SIM, 4DI / 4DO, SMBus

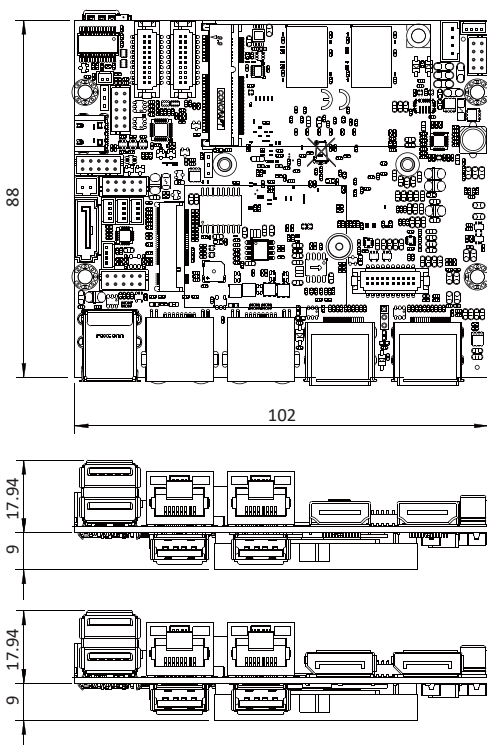


Features:

- Intel® Elkhart Lake ATOM® x6413E / J6412 CPU
- On Board LPDDR4 up to 8GB
- Independent display: 2 x HDMI (DP), 1 x eDP
- 2 x Intel 2.5 GbE LAN, 2 x USB 3.0, 5 x USB 2.0
- 4 x COM, 1 x Mini PCIe, 1 x M.2, 1 x Nano SIM, SMBus
- Touch Screen, 4DI / 4DO
- 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
On Board LPDDR4 4 / 8GB
- Storage
1 x M.2 B Key Type 3042 SATA-SSD
1 x SATA
- BIOS
Insyde UEFI BIOS
- Display
2 x HDMI (or DP), 1 x eDP
- Touch
USB interface Touch Screen controller
- TPM
TPM 2.0 (Firmware)
- LAN
2 x Intel 2.5 GbE I225 / I226 (external)
- Audio (Option)
High Definition Audio Specification, Support Line-out / Mic-in / Line-in Two channel Class D Audio Amplifier (OEM)
- Expansion Interface
1 x M.2 B Key Type3042 (USB 2.0 / SATA / USB 3.0-optional to PCIe x2)
1 x Mini PCIe (USB 2.0 / PCIe)
1 x Nano SIM

Expansion Module

Converter Card	CN066: Mini PCIe to M.2 E key 2230, WiFi 6 + BT
Mini Card	GPS, 3G / 4G, WI-FI, 2 / 4 x LAN, 4 x COM, CANBus, SDI / AHD Video
By Cable	Bluetooth, Digital I/O, 2 / 4 PoE, 4 x USB mini card

- USB
2 x USB 3.0 (external) ; 2 x USB 2.0 (external) ; 3 x USB 2.0 (internal)

USB Expansion

USB to	COM, Mini Card, M.2, Audio board
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- Serial IO
1 x RS232 / 422 / 485 (internal)
3 x RS232 (internal)
*COM1~COM4 pin9 5V / 12V (Option)
- GPIO
Hardware digital Input & Output, 4 x DI / 4 x DO
- SMBus
1 x SMBus
- WDT
Hardware Watch Dog Timer, 0~255 sec programmable
- SMBus
1 x SMBus
- Power Input
Wide Range +9~24V
- Dimension
2.5" (102 x 88 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: TEGA, TERA, SKY 2
- OS Support
Windows® 10 IOT (64bit),
Ubuntu 16.04.3 above, Fedora 26 above, CentOS 7.4 above

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