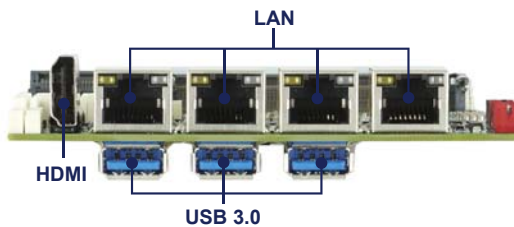


# 2I810D

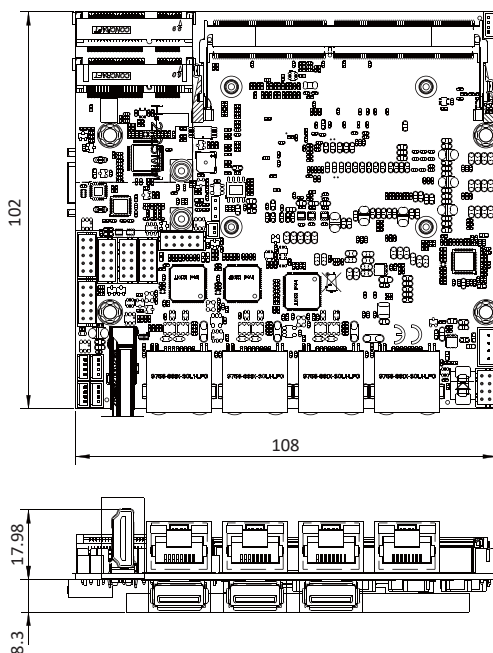
2.5" Plus SBC supports 8th Gen Intel® Whiskey Lake-U CPU, VGA, HDMI, 4 x Intel Gb Ethernet, 4DI / 4DO, 7 x USB, 2 x COM, 2 x Mini PCIe, SMBus



## Features:

- 8th Gen Intel® Whiskey Lake-U, i7 / i5 / i3 / Pentium / Celeron CPU
- 1 x DDR4 SODIMM socket, Max. 32GB
- Multiple Independent display: VGA & HDMI
- 4 x Intel GbE LAN, 3 x USB 3.0, 4 x USB 2.0
- 2 x COM, 4DI / 4DO, 2 x Mini PCIe, SMBus
- TPM 2.0 (Optional)

## Dimensions: (Unit:mm)



## Specifications :

- CPU  
8th Gen Intel® Whiskey Lake-U, i7 / i5 / i3 / Pentium / Celeron CPU
- MB Chipset  
Intel® Whiskey Lake-U SoC
- Graphics  
Intel® UHD Graphics, Support DirectX 12 & OpenGL 4.5
- System Memory  
1 x DDR4 2400 MHz SODIMM, Max. 32GB
- Storage  
1 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)  
2 x mini card socket for mSATA
- BIOS  
AMI UEFI BIOS
- Display  
1 x VGA, 1 x HDMI
- TPM  
TPM 2.0 (Option)
- LAN  
1 x Intel GbE I219LM (external)  
3 x Intel 2.5 GbE I225-V (external)
- Audio (OEM)  
High Definition Audio Specification, Support Line-out / Mic-in / Line-in
- Expansion Interface  
1 x Full size Mini PCIe (PCIe / mSATA / USB 3.0 / USB 2.0)  
1 x Half size Mini PCIe (PCIe / mSATA / USB 3.0 / USB 2.0)

### 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  
3 x USB 3.0 (external) ; 4 x USB 2.0 (internal)
- Serial IO  
2 x RS232 / 422 / 485 (internal)  
\*COM1, COM2 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
- Power Input  
DC IN +12V
- Dimension  
2.5" Plus (108 x 102 mm)
- Operation Temperature (100 % CPU Usage)  
-20°C~70°C (Core i7 8665UE)
- Operation Humidity  
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)  
Box PC: SKY 2, TERA(L)
- OS Support  
Windows® 10 IOT ; Windows® 11 IOT (i7 CPU only)  
Ubuntu 22.04 above, Fedora 36 above

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