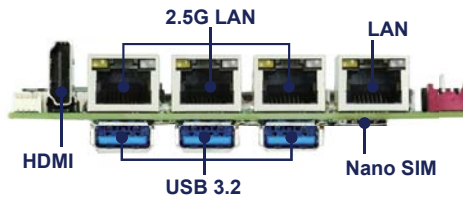
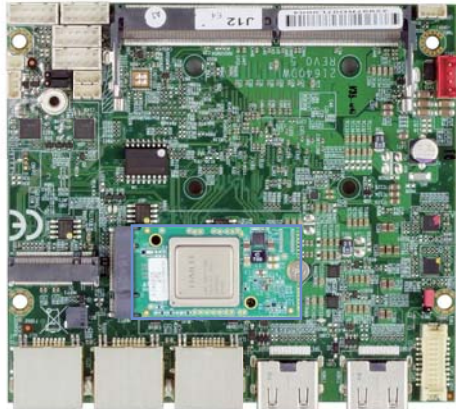


# 2I110D + Hailo-8™ AI module

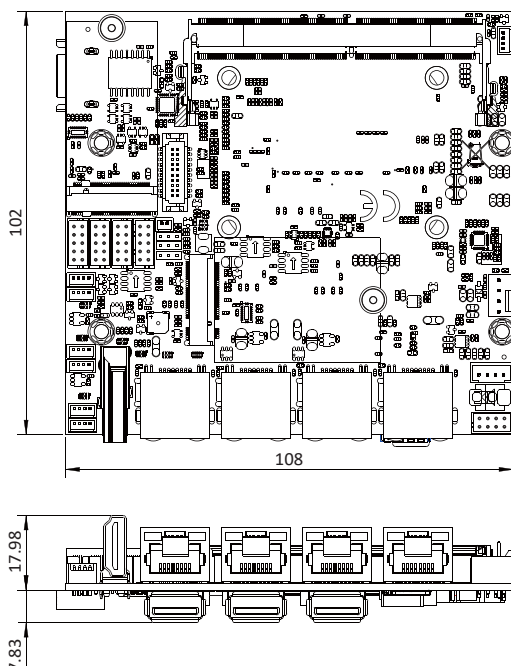
2.5" Plus SBC supports Intel® 11th Gen Tiger Lake-UP3 i7 / i5 / i3, Celeron CPU, HDMI, eDP, 4 x Intel Gb Ethernet, 2 x M.2, 1 x Nano SIM, 4DI / 4DO, 3 x USB 3.2, 6 x USB 2.0, 2 x COM, SMBus  
Pre-installed M.2 Hailo-8™ AI Accelerator



## Features:

- 11th Gen Intel® Tiger Lake-UP3, i7 / i5 / i3 / Celeron CPU
- Pre-installed M.2 Hailo-8™ AI Accelerator
- 1 x DDR4 SODIMM (Max. 32GB)
- Multiple Independent display: HDMI, eDP
- 4 x Intel GbE LAN, 3 x USB 3.2 (type A), 6 x USB 2.0
- 2 x COM, 4DI / 4DO, 1 x Nano SIM
- 1 x M.2 B Key, 1 x M.2 M Key
- TPM 2.0, SMBus

## Dimensions: (Unit:mm)



## Specifications :

- CPU  
Intel® Tiger Lake-UP3, i7 / i5 / i3 / Celeron CPU
- MB Chipset  
Intel® Tiger Lake-UP3 SoC
- Graphics  
Intel® UHD Graphics, Support DirectX 12 & OpenGL 4.5
- System Memory  
1 x DDR4 3200 MHz SODIMM, Max 32GB
- Storage  
1 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)  
1 x M.2 B key Type 3042 (PCIe x2 / USB 3.0 / 2.0)  
1 x M.2 M key Type 2242 (PCIe x4 / SATA), Support NVMe
- BIOS  
AMI UEFI BIOS
- Display  
1 x HDMI, eDP
- TPM  
TPM 2.0 (Firmware) ; OEM Optional to Hardware TPM
- LAN  
1 x Intel GbE I219LM (external)  
3 x Intel 2.5 GbE I225-IT (external) w/Core CPU or 3X I225-V w/Celeron CPU
- Expansion Interface  
1 x M.2 B key Type 3042 (PCIe x2 / USB 3.2 / 2.0), 1 x Nano SIM  
1 x M.2 M key Type 2242 (PCIe x4 / SATA), Support NVMe

### 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)
DP001	eDP to VGA
eDP003	eDP to DVI
eDP004	eDP to HDMI
eDP001	eDP to LVDS (OEM)

- USB  
3 x USB 3.2 (Type A)  
6 x USB 2.0 (internal)
- Serial IO  
2 x RS232 / 422 / 485 (internal) ; eSPI  
\*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)  
-40°C~+70°C (Core i GRE series CPU)  
-20°C~+70°C (Core i G7E / G7 series CPU)
- Operation Humidity  
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)  
Box PC: SKY 2
- OS Support  
Windows® 10 IOT ; Windows® 11 IOT  
Ubuntu 22.04 above, Ubuntu 22.04 host OS, Hailo SW via Ubuntu container

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