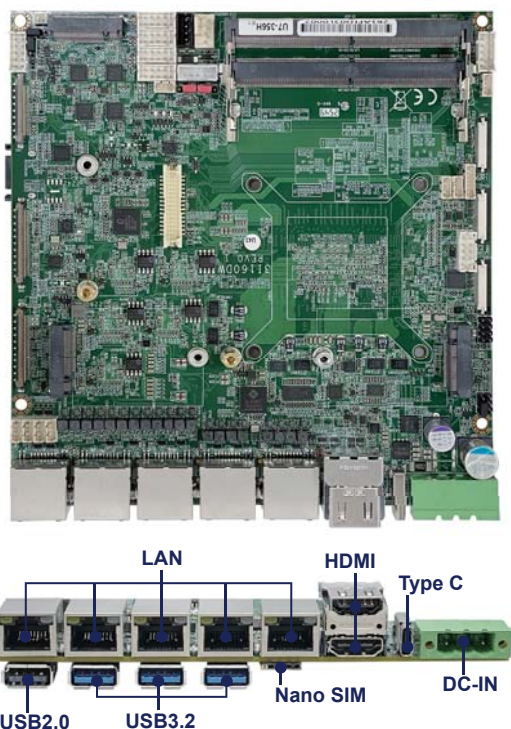


3I160DW

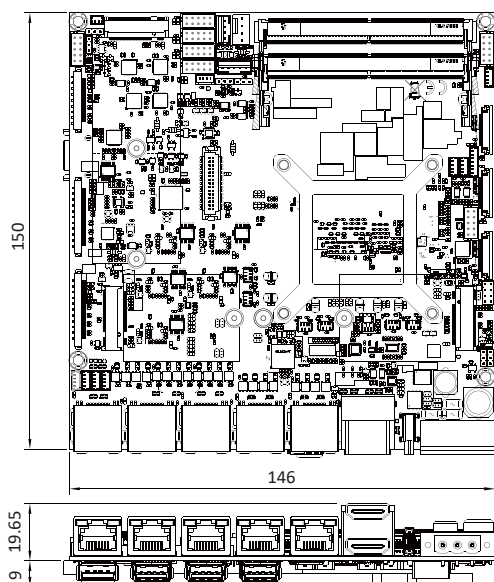
Embedded SBC supports Intel® Core™ Ultra 300 Series (Panther Lake) processors
2 x HDMI®, LVDS / eDP, 1 x Type C, 5 x Intel 2.5Gb Ethernet, 3 x M.2, 1 x PCIe x 2,
2 x PCIe x 4, 4DI / 4DO, 3 x USB 3.2, 5 USB 2.0, 4 x COM, 1 x Nano SIM,
3 x MIPI-CSI, HD Audio



Features:

- Intel® Core™ Ultra 300 Series (Panther Lake) processors
- Revamped iGPU and integrated NPU
- 2 x DDR5 SODIMM, Max 64GB
- Multiple Independent display:
2 x HDMI®, LVDS / eDP, 1 x Type C
- 5 x Intel 2.5 GbE LAN, 3 x USB 3.2 Gen1x1, 5 x USB 2.0,
- 1 x M.2 M Key, 2 x M.2 BKey, 1 x Nano SIM,
1 x PCIe x2, 2 x PCIe x 4
- 4 x COM, 4DI / 4DO, 3 x MIPI-CSI, HD Audio
- TPM 2.0, SMBus, I2C, I2S

Dimensions: (Unit:mm)



Specifications :

- CPU**
Intel® Core™ Ultra 300 Series (Panther Lake) processors
- Graphics**
Intel® Arc™ B370 (Core Ultra 338H) Graphics
Intel® Graphics
- System Memory**
2 x DDR5 SODIMM, Max 64GB
- Storage**
1 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)
1 x M.2 M key Type 3080 (PCIe x4), Support NVMe
- BIOS**
AMI UEFI BIOS
- Display**
2 x HDMI® ; 1 x LVDS / eDP ; 1 x Type C DP ALC Mode
- TPM**
TPM 2.0
- LAN**
5 x Intel 2.5GbE I226-IT (external)
- Expansion Interface**
1 x M.2 M key Type 3080 (PCIe x 4), Support NVMe, (OEM to Type 3042)
1 x M.2 B key Type 3042 (USB 3.2 / USB 2.0) (OEM to Type 3052)
1 x M.2 B key Type 3042 (PCIe x2 / USB 2.0)
1 x Nano SIM, 1 x PCIe x 2, 2 x PCIe x 4

Expansion Module

Converter Card CN064: M.2 B Key to M.2 E Key 2230, WiFi 6 + BT

- USB**
3 x USB 3.2 Gen 1 (external), 1 x Type C, USB 3.2 (external)
1 x USB 2.0 (external) ; 4 x USB 2.0 (internal)
- Serial IO**
4 x RS232 / 422 / 485 (internal)
- Camera interface**
3 x MIPI-CSI
- Audio**
Mic-IN, Line-in / Line-out with AMP
- SMBus / I2C / I2S**
1 x SMBus ; 2 x I2C ; 1 x I2S
- GPIO**
Hardware digital Input & Output, 4 x DI / 4 x DO
- WDT**
Hardware Watch Dog Timer, 0~65535 sec programmable
- Power Input**
Wide Range DC IN +9~36V (Typ: +12V)
- Dimension**
3.5" Plus SBC (146 x 150 mm)
- Operation Temperature**
-20°C~45°C
- Operation Humidity**
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)**
Box PC: SKY 3
- OS Support**
Windows 10/11 (64bit)
Linux Ubuntu 22.04 / Kernel 5.15