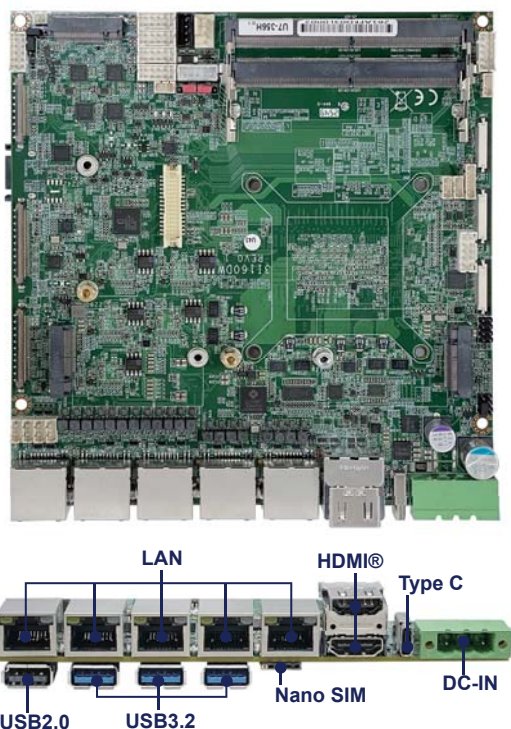


3I160DW

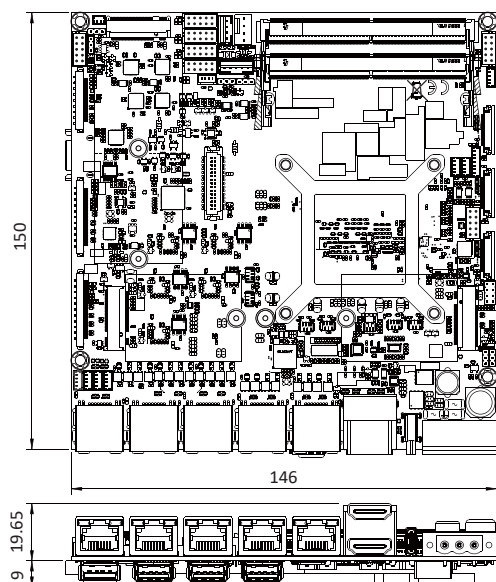
Embedded SBC supports Intel® Core™ Ultra Series 3 (Panther Lake) CPU
2 x HDMI®, 1 x LVDS or eDP (BIOS), 1 x Type C, 5 x Intel 2.5Gb Ethernet, 3 x M.2,
1 x PCIe x 2, 2 x PCIe x 4, 4DI / 4DO, 3 x USB 3.2, 5 USB 2.0, 4 x COM, 1 x Nano SIM,
3 x MIPI-CSI, HD Audio



Features:

- Intel® Core™ Ultra Series 3 (Panther Lake) CPU
- Revamped iGPU and integrated NPU
- 2 x DDR5 SODIMM, Max 128GB
- Multiple Independent display:
2 x HDMI®, 1 x LVDS or eDP (BIOS), 1 x Type C
- 5 x Intel 2.5 GbE LAN, 3 x USB 3.2 Gen 1x1, 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 Series 3 (Panther Lake) CPU
- Graphics
Intel® Arc™ B370 (Core Ultra 336H or 366H) Graphics
Intel® Graphics
- System Memory
2 x DDR5 SODIMM, Max 128GB
- Storage
1 x SATA port
1 x M.2 M key Type 2280 / 3080 (OEM to 2242 / 3042), Support NVMe SSD
1 x M.2 B key Type 2242 / 3042, Support NVMe SSD
- BIOS
AMI UEFI BIOS
- Display
2 x HDMI® ; 1 x LVDS or eDP (BIOS) ; 1 x Type C DP ALT 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 x2), Support NVMe, (OEM to Type 3042)
1 x M.2 B key Type 2242 / 3042 (USB 3.2 / USB 2.0) (OEM to Type 3052)
1 x M.2 B key Type 2242 / 3042 (PCIe x2 / USB 2.0)
1 x Nano SIM, High Speed Connector (1*PCIe x 2, 2*PCIe x 4)

Expansion Module

Converter Card CN064: M.2 B+M 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) ; 202g
- Operation Temperature
-20°C~+60°C (Ultra 7 365)
-40°C (By Ultra 5 335RE/336HRE, Ultra 7 365RE / 336HRE)
- Operation Humidity
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
Box PC: HAWK
- OS Support

Windows 10/11 (64bit)

Ubuntu26.04 LTS, Kernel->7.0.0-14-generic