

3I810HW/BW

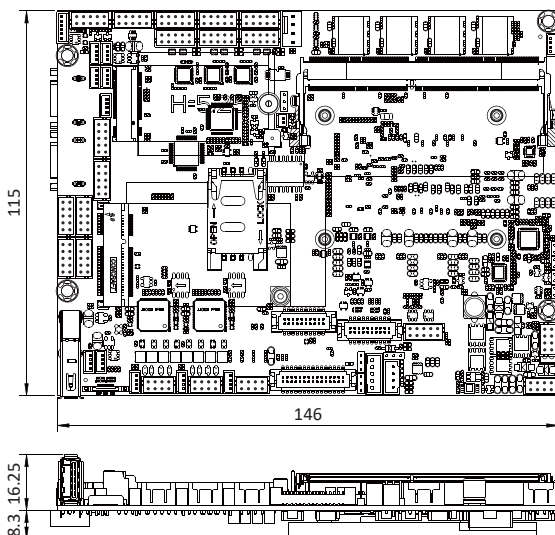
3.5" SBC supports Intel® 8th Gen Whiskey Lake-U i7 / i5 / i3, Pentium / Celeron CPU, VGA, HDMI, LVDS, 3 x Intel Gb Ethernet, 1 x M.2 16DI / 16DO, 7 x USB, 6 x COM, 1 x Mini PCIe, 1 x SIM, Battery Charger



Features:

- 8th Gen Intel® Whiskey Lake-U, i7 / i5 / i3 / Pentium / Celeron CPU
- 1 x DDR4 SODIMM (Max. 32GB) ; On board memory (OEM)
- Multiple Independent display: VGA, HDMI, LVDS
- 3 x Intel GbE LAN, 3 x USB 3.0, 4 x USB 2.0
- 6 x COM, 16DI / 16DO, 1 x Mini PCIe, 1 x SIM
- 1 x M.2 B Key, TPM 2.0 (Optional)
- Battery Charger Function (3I810BW)

Dimensions: (Unit:mm)



Specifications :

- CPU
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 SODIMM (Max. 32GB) ; On board memory (OEM)
- Storage
2 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s) (2nd SATA-OEM)
1 x M.2 B key Type 3042 / 2242 (PCIe x 2 / mSATA / USB 3.0 / USB 2.0)
1 x mini card socket for mSATA (Share SATA2)
- BIOS
AMI UEFI BIOS
- Display
1 x VGA, 1 x HDMI, Dual Channel, 48 bits LVDS
- Touch
USB touch screen controller
- TPM
TPM 2.0 (Option)
- LAN
1 x Intel GbE I219LM (internal)
2 x Intel GbE I210IT (internal)
- Audio (OEM)
High Definition Audio Specification, Support Line-out / Mic-in / Line-in
Two channel Class D Audio Amplifier
- Expansion Interface
1 x Full size Mini PCIe (PCIe / mSATA / USB 3.0 / USB 2.0)
1 x M.2 B key Type 3042 / 2242 (PCIe x 2 / mSATA / USB 3.0 / USB 2.0)
1 x SIM

Expansion Module

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
1 x USB 3.0 (external) ; 2 x USB 3.0 (internal)
4 x USB2.0 (internal)
- Serial IO
6 x RS232 / 422 / 485 (internal)
- GPIO
Hardware digital Input & Output, 16 x DI / 16 x DO
- WDT
Hardware Watch Dog Timer, 0~255 sec programmable
- Power Input
Wide Range +9~36V (3I810HW)
Battery Charger function, DC +19V or +24V (3I810BW)
- Dimension
3.5" (146 x 115 mm)
- Operation Temperature
-20°C~70°C (100 % CPU Usage)
- Operation Humidity
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
Waterproof System ; Waterproof PPC
- OS Support
Windows® 10 IOT (64bit), Ubuntu 18.04.2 above, Fedora 29 above, CentOS 7.8