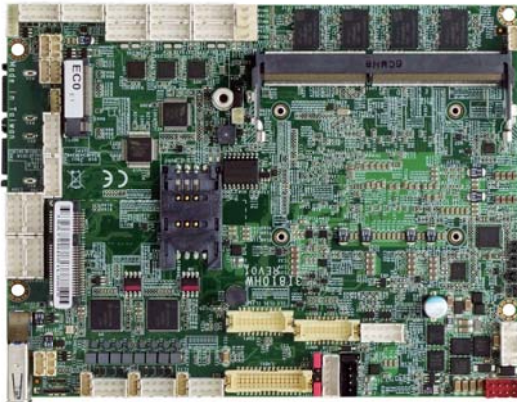


3I810HW/BW

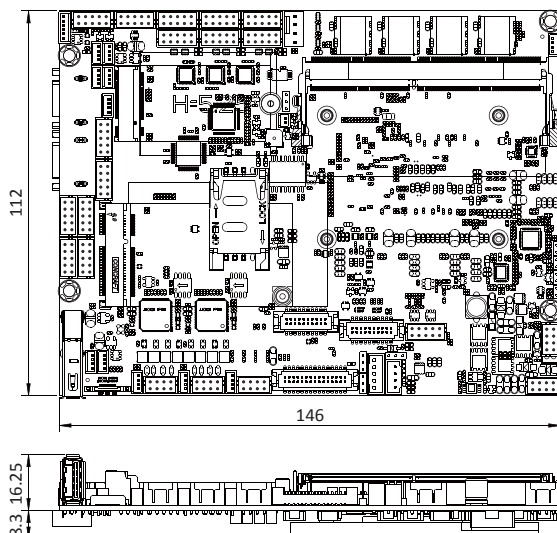
3.5" SBC supports Intel® 8th Gen Whiskey Lake-U i7 / i5 / i3, Pentium / Celeron CPU, VGA, HDMI, LVDS, 3 x Intel Gb Ethernet, Audio, 1 x M.2 16DI / 16DO, 7 x USB, 6 x COM, 1 x Mini PCIe, 1 x SIM, Battery Charger



Features:

- 8th Gen Intel® Whiskey Lake-U, i7 / i5 / i3 / Pentium / Celeron CPU
- On board 8GB DDR4 + 1 x DDR4 SODIMM (Max.16GB)
- 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
On board 8GB DDR4 & 1 x DDR4 SODIMM, Max 16GB
 - Storage
2 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)
1 x M.2 B key Type 2242 (PCIe / 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
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 2242 (PCIe / 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 ; Battery Charger function (3I810BW)
 - Dimension
3.5" (146 x 112 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

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