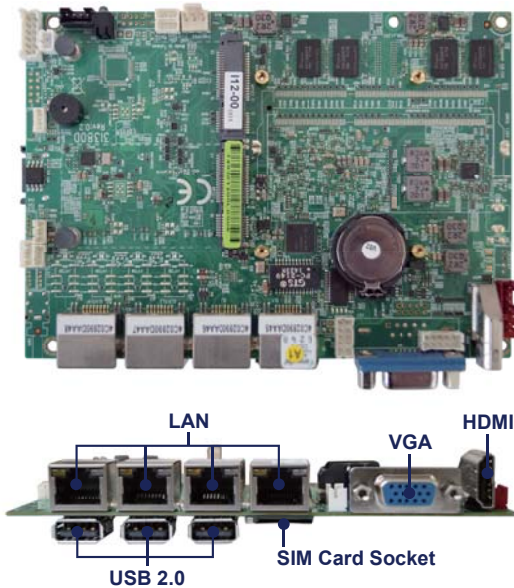


3I380D

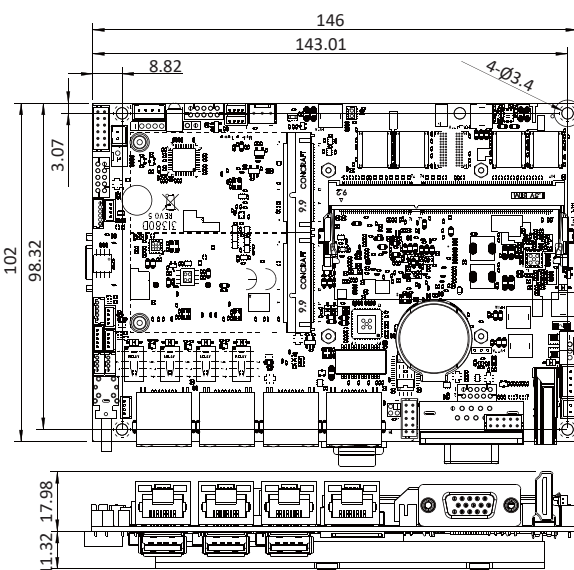
3.5" SBC supports Intel® Bay Trail Atom / Celeron CPU
VGA, HDMI, 4 x Intel Gb Ethernet, 5 x USB
2 x COM, 2 x Mini PCIe, 1 x SIM, SMBus



Features:

- Intel® Bay Trail-H Atom™ E3815 1.46GHz (Single Core)
Intel® Bay Trail-H Atom™ E3845 1.91 GHz (Quad Core)
Intel® Bay Trail-D Celeron® J1900 2.0GHz (Quad Core)
- On Board DDR3L 1066 / 1333 MHz 2GB / 4GB (3I380D-I12)
- 1 x DDR3L SODIMM, Max. 8GB m (3I380D-D90)
- Multiple Independent display: VGA (Optional to COM) & HDMI
- 4 x Intel GbE LAN, 1 x USB 3.0, 4 x USB 2.0
- 2 x COM, 2 x Mini PCIe, 1 x SIM, SMBus

Dimensions: (Unit:mm)



Specifications :

- CPU**
Intel® Bay Trail-H Atom™ E3815 1.46GHz (Single Core)
Intel® Bay Trail-H Atom™ E3845 1.91 GHz (Quad Core)
Intel® Bay Trail-D Celeron® J1900 2.0GHz (Quad Core)
- MB Chipset**
Intel® Bay Trail SoC
- Graphics**
Intel Gen7 graphic engine
DirectX11, OpenGL3.2, OpenCL1.1 ; Full HW acceleration,
decode: H.264, MPEG 2 / 4, VC-1, WMV9. Encode: H.264, MPEG2
- System Memory**
On Board DDR3L 1066 / 1333 MHz 2GB / 4GB (3I380D-I12)
1 x DDR3L SODIMM, Max. 8GB m (3I380D-D90)
- Storage**
1 x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s), Share with mSATA
1 x mini card socket for mSATA
- BIOS**
Insyde UEFI BIOS
- Display**
1 x VGA (optional with COM port), 1 x HDMI
- LAN**
4 x Intel GbE (external)
- Audio**
(Option) High Definition Audio Specification, Support Line-out / Mic-in / Line-in
- Expansion Interface**
1 x Full size Mini PCIe (USB), 1 x Full size Mini PCIe (mSATA / USB), 1 x SIM (push / push)

Expansion Module

Converter Card	CN066: Mini PCIe to M.2 E key 2230, Wifi 6 + BT (OEM Mini PCIe Signal)
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 (internal), 3 x USB 2.0 (external), 1 x USB 2.0 (internal)
2 x USB 2.0 (internal)-share Mini PCIe

USB Expansion

USB to	COM, Mini Card, M.2, Audio board
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- Serial IO**
2 x RS232 (internal) optional to RS422 or RS485
*COM1, COM2 pin9 5V (Option)
- GPIO**
Hardware digital Input & Output, 4 x DI / 4 x DO – optional
- SMBus**
1 x SMBus
- WDT**
Hardware Watch Dog Timer, 0~255 sec programmable
- Power Input**
DC IN +12V
- Dimension**
3.5" (146 x 102 mm)
- Operation Temperature**
-20°C~70°C (100 % CPU Usage)
- Operation Humidity**
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)**
Box PC: TWITTER, TIGER, UNO
- OS Support**
Windows® 10 IOT (64bit), Windows® 8.1 (64bit), Windows® Embedded 8 Standard (64bit),
Windows® 7 (32 / 64bit), Windows® Embedded Standard 7 Runtime,
Ubuntu 14.10 above, Fedora 25 above, Debian 8 above, CentOS 7.3 above,
Mint 18.1 above

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