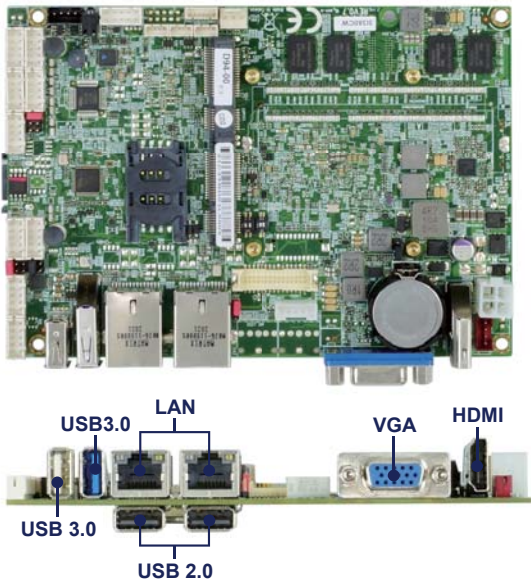


3I380A/CW

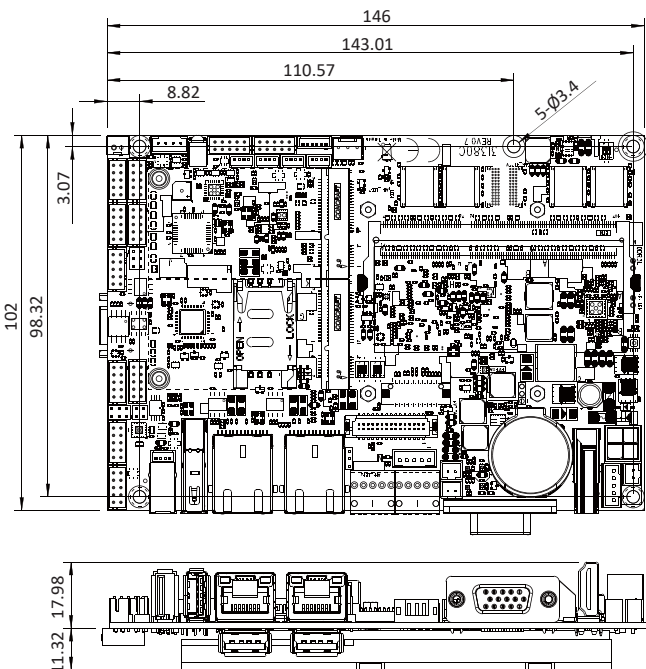
3.5" SBC supports Intel® Bay Trail Atom / Celeron CPU
VGA, HDMI, LVDS, Touch, 2 x Intel Gb Ethernet,
8DI / 8DO, 4 x USB, 6 x COM, 2 x Mini PCIe, 1 x SIM, SMBus



Features:

- Intel® Bay Trail-H Atom™ E3825 1.33GHz (Dual 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
- 1 x DDR3L SODIMM, Max. 8GB (OEM)
- Multiple Independent display: VGA, HDMI, & LVDS
- 2 x Intel GbE LAN, 1 x USB 3.0, 3 x USB 2.0, Touch Screen
- 6 x COM, 8DI / 8DO, 2 x Mini PCIe, 1 x SIM, SMBus

Dimensions: (Unit:mm)



Specifications :

- CPU**
Intel® Bay Trail-H Atom™ E3825 1.33GHz (Dual 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
1 x DDR3L 1066 / 1333 MHz SODIMM, Max. 8GB (OEM)
- Storage**
1 x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s), Share with mSATA 1
1 x mini card socket for mSATA
- BIOS**
Insyde UEFI BIOS
- Display**
1 x VGA, 1 x HDMI, Dual Channel, 48 bits LVDS (3I380C)
- Touch**
USB touch screen controller (3I380C)
- LAN**
2 x Intel GbE (external)
- Audio (OEM)**
High Definition Audio, Line-out / Mic-in (Option)
(Option) Two channel Class D Audio Amplifier
- Expansion Interface**
1 x Full size Mini PCIe (PCIe / mSATA / USB)
1 x Full size Mini PCIe (PCIe / USB)
1 x SIM

Expansion Module

Converter Card CN066: Mini PCIe to M.2 E key 2230, WiFi 6 + BT

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), 3 x USB 2.0 (external)
- 2 x USB 2.0 (internal)-share Mini PCIe

USB Expansion

USB to COM, Mini Card, M.2, Audio board

Serial IO

- 5 x RS232 (internal)
- 1 x RS422 / 485 (internal)
- *COM1, COM3 pin9 5V / 12V selectable by jumper

GPIO

Hardware digital Input & Output, 8 x DI / 8 x DO

SMBus

1 x SMBus

WDT

Hardware Watch Dog Timer, 0~255 sec programmable

PS2 KB / MS

PS2 KB/ MS (internal)

Power Input

DC IN+12V (3I380A)
Wide Range +9~36V (3I380CW)
CPC-Car Power Control (Optional)

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, MIRO 3

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.