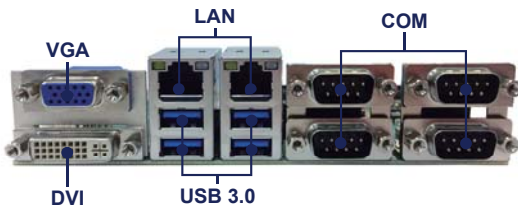


# 3I385CW

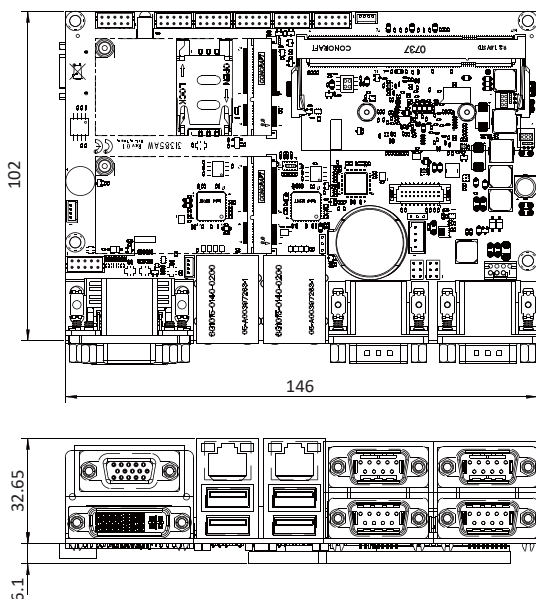
3.5" SBC supports Intel® Bay Trail Atom / Celeron CPU  
VGA, DVI, LVDS, Touch, 2 x Intel Gb Ethernet,  
8DI / 8DO, 4 x USB, 6 x COM, 2 x Mini PCIe, 1 x SIM



## 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)
- 1 x DDR3L SODIMM, Max. 8 GB
- Multiple Independent display: VGA, DVI, & LVDS
- 2 x Intel GbE LAN, 4 x USB 3.0, Touch Screen
- 6 x COM, 8DI / 8DO, 2 x Mini PCIe, 1 x SIM

## 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**  
1 x DDR3L 1066 / 1333 MHz SODIMM, Max. 8GB
- Storage**  
1 x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s)  
1 x mini card socket for mSATA
- BIOS**  
Insyde UEFI BIOS
- Display**  
1 x VGA, 1 x DVI, Dual Channel, 48 bits LVDS
- Touch**  
USB touch screen controller
- LAN**  
2 x Intel GbE (external)
- Audio**  
(Option) High Definition Audio Specification, Support Line-out / Mic-in / Line-in  
(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

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

- 4 x USB 3.0 (external)
- 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

- 4 x RS232 / 422 / 485 (external)
- 2 x RS232 (internal) optional to RS422 / 485
- \*COM1, COM3 pin9 5V / 12V selectable by jumper
- \*COM2, COM4 pin9 5V / 12V (Option)

### GPIO

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

### WDT

- Hardware Watch Dog Timer, 0~255 sec programmable

### PS2 KB / MS

- PS2 KB/ MS (internal)

### Power Input

- Wide Range +9~36V

### 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  
SUPER 7" / 10.1" / 10.4" / 15.1" PPC  
VITA 10.1" / 15" / 21.5" / 23.8" PPC

### 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.