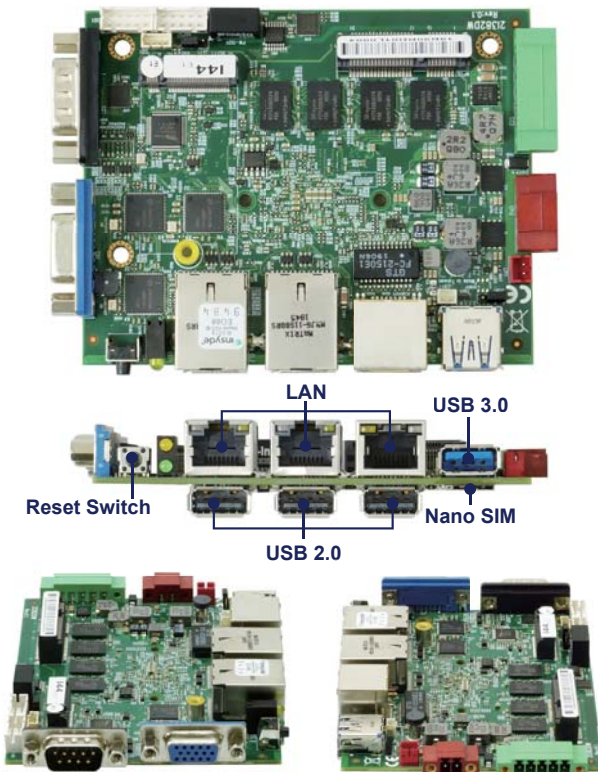


# 2I382DW

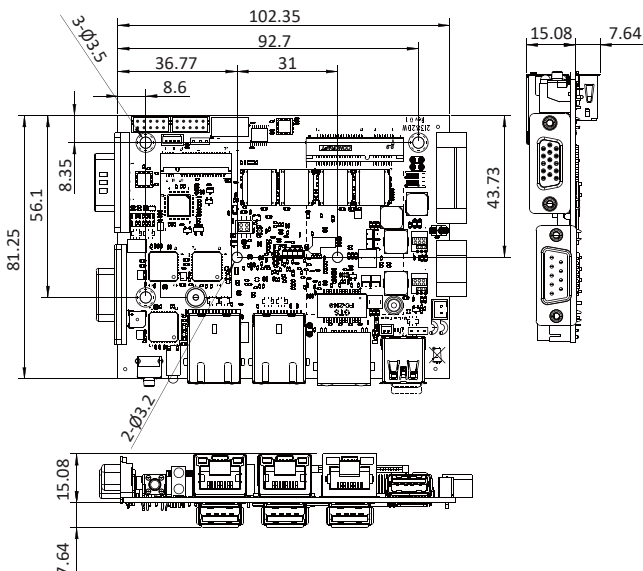
*Pico-ITX SBC supports Intel® Bay Trail Atom / Celeron CPU  
3 x Intel Gb Ethernet, VGA, 4 x USB,  
2 x COM, 1 x Mini PCIe, 1 x M.2, 1 x Nano SIM (option), SMBus*



## 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
- Independent display: VGA
- 3 x Intel GbE LAN, 1 x USB 3.0, 3 x USB 2.0
- 2 x COM, 1 x Mini PCIe, 1 x M.2, 1 x Nano SIM (option), SMBus
- 4 DI / 4DO

## 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, MPEG2 / 4, VC-1, WMV9. Encode: H.264, MPEG2
- System Memory**  
On Board DDR3L 1066 / 1333 MHz 2GB / 4GB
- Storage**  
1 x M.2 B Key, Type 2242 (mSATA)  
1 x mini card socket for mSATA
- BIOS**  
Insyde UEFI BIOS
- Display**  
1 x VGA
- LAN**  
3 x Intel GbE I210IT (external)
- Expansion Interface**  
1 x Full size Mini PCIe (PCIe / mSATA / USB)  
1 x Nano SIM (option)  
1 x M.2 B Key, Type 2242 (SATA)

### Expansion Module

<b>Converter Card</b>	CN066: Mini PCIe to M.2 E key 2230, WiFi 6 + BT
<b>Mini Card</b>	GPS, 3G / 4G, WI-FI, 2 / 4 x LAN, 4 x COM, CANBus, SDI / AHD Video
<b>By Cable</b>	Bluetooth, Digital I/O, 2 / 4 PoE, 4 x USB mini card

### USB

- 1 x USB 3.0 (external)-share Mini PCIe USB 2.0,
- 3 x USB 2.0 (external)

### USB Expansion

<b>USB to</b>	COM, Mini Card, M.2, Audio board
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### Serial IO

- 1 x RS232 / 422 / 485 (DB9)
- 1 x RS232 / 422 / 485 (phoenix isolation)

### GPIO

- Hardware digital Input & Output, 4 x DI / 4 x DO

### SMBus

- 1 x SMBus

### WDT

- Hardware Watch Dog Timer, 0~255 sec programmable

### Power Input

- Wide Range +12~36V

### Dimension

- 102.35 x 81.25 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: NET-II

### 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.