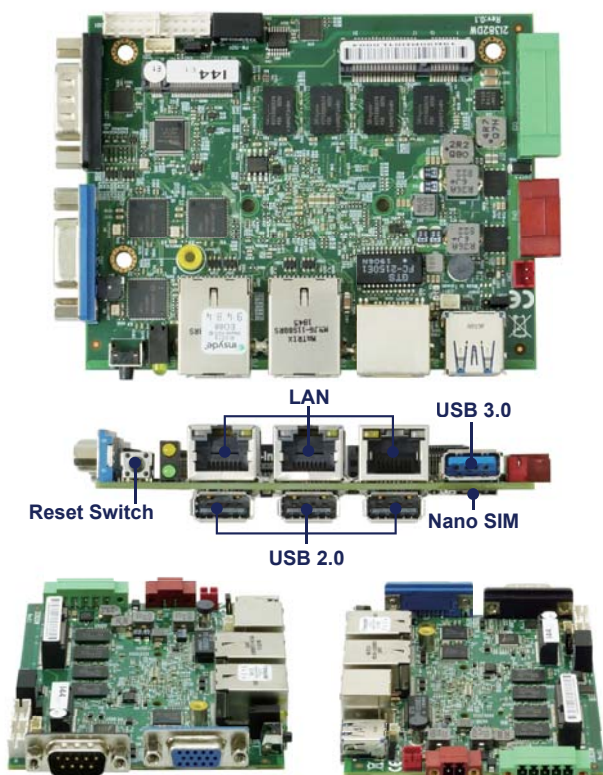


# 2I382DW

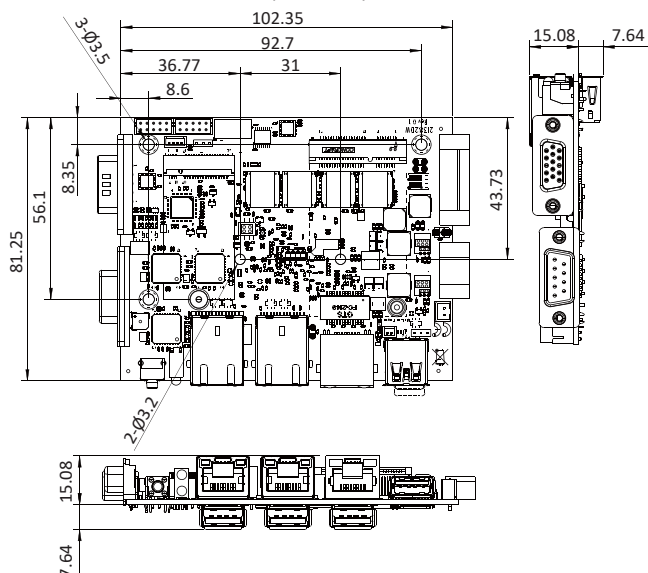
Pico-ITX SBC supports Intel® Bay Trail Atom / Celeron CPU  
3 x Intel Gb Ethernet, VGA, 4 x USB,  
2 x COM, 1 x Mini PCIe, 1 x M.2, 1 x Nano SIM (option), SMBus



## 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
- 4DI / 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 (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 |
|---------------|----------------------------------|

- 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.