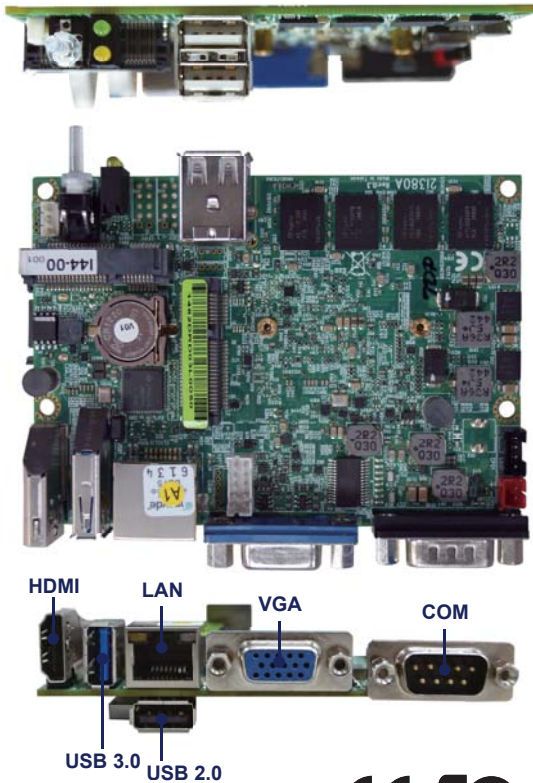


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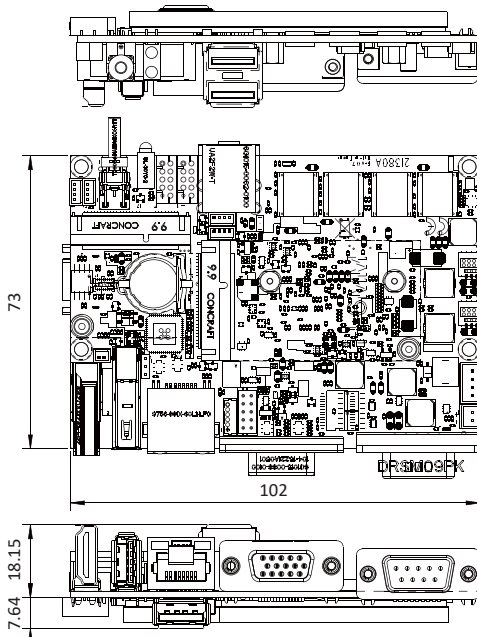
Pico-ITX SBC supports Intel® Bay Trail Atom / Celeron CPU  
VGA, HDMI, 1 x Intel Gb Ethernet  
5 x USB, 1 x COM, 2 x Mini PCIe, SMBus



## Features:

- Intel® Bay Trail-Atom™ E3825 1.33GHz (Dual Core)
- Intel® Bay Trail-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
- Multiple Independent display: VGA & HDMI
- 1 x Intel GbE LAN, 1 x USB 3.0, 4 x USB 2.0, 1 x COM
- 2 x Mini PCIe, SMBus

## Dimensions: (Unit:mm)



## Specifications :

- CPU**
  - Intel® Bay Trail-Atom™ E3825 1.33GHz (Dual Core)
  - Intel® Bay Trail-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
- Storage**
  - 2 x mini card socket for mSATA
  - 1 x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s), Share with mSATA 1
- BIOS**
  - Insyde UEFI BIOS
- Display**
  - 1 x VGA, 1 x HDMI
- LAN**
  - 1 x Intel GbE (external)
- Audio (OEM)**
  - High Definition Audio, Line-out / Mic-in
- Expansion Interface**
  - 1 x Full size Mini PCIe (PCIe / mSATA / USB)
  - 1 x Half size Mini PCIe (mSATA / USB)

### 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), 3 x USB 2.0 (external), 1 x USB 2.0 (internal)

### USB Expansion

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

- 1 x RS232 (external) optional to RS422 or RS485
- \*COM1 pin9 5V / 12V (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 ; optional +9~36V

### Dimension

- Pico-ITX (102 x 73 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: TWIN

### 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.