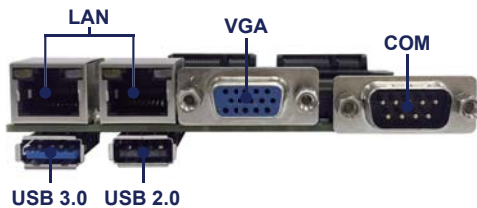


21386EW

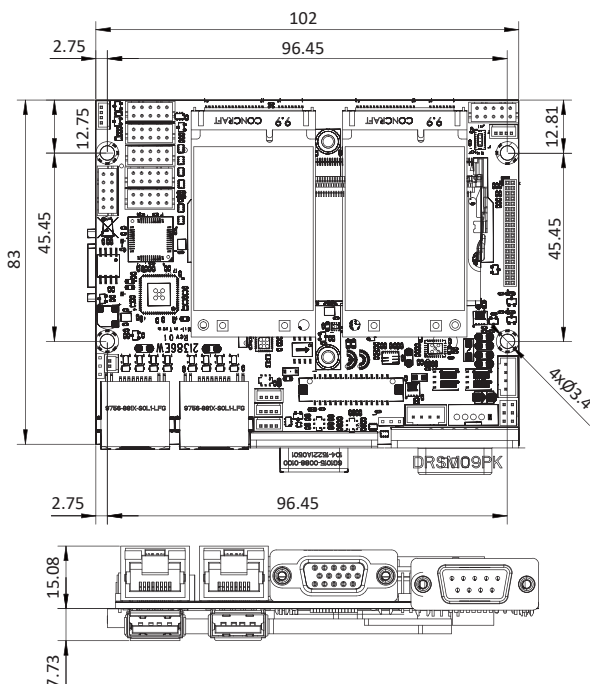
Pico-ITX SBC supports Intel® Bay Trail Atom / Celeron CPU
VGA, 2 x Intel Gb Ethernet, 4 x USB
4DI / 4DO, 4 x COM, 2 x Mini PCIe, LEX eIO, SMBus



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)
- 1 x DDR3L 1066 / 1333 MHz SODIMM, Max . 8 GB
- Independent display: VGA
- 2 x Intel GbE LAN, 1 x USB 3.0, 3 x USB 2.0
- 4 x COM, 4DI / 4DO, 2 x Mini PCIe, SMBus
- LEX eIO expansion

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**
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), Share with mSATA 1
1 x mini card socket for mSATA
- BIOS**
Insyde UEFI BIOS
- Display**
1 x VGA, Dual Channel, 48 bits LVDS (Option)
- Touch**
(Option) 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 / USB)
1 x Full size Mini PCIe (mSATA / USB)
LEX eIO: 2 x PCIe + USB

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), 1 x USB 2.0 (external), 2 x USB 2.0 (internal)

USB Expansion

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

- Serial IO**
1 x RS232 / 422 / 485 (external), 1 x RS232 / 422 / 485 (internal)
2 x RS232 (internal)

*COM1 pin9 5V / 12V selectable by jumper

*COM2 pin9 5V / 12V (Option)

- 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 +9~48V
- Dimension**
Pico-ITX 2.5" (102 x 83 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: TERA, MIRO 2, MIRO-RS
- 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.