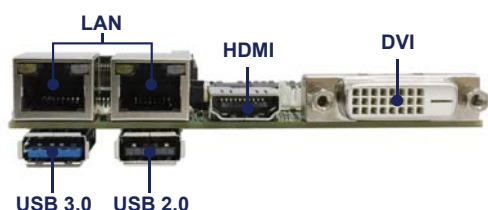


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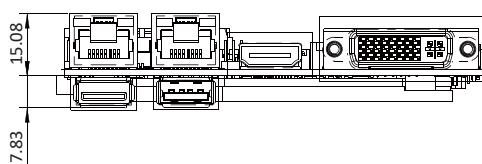
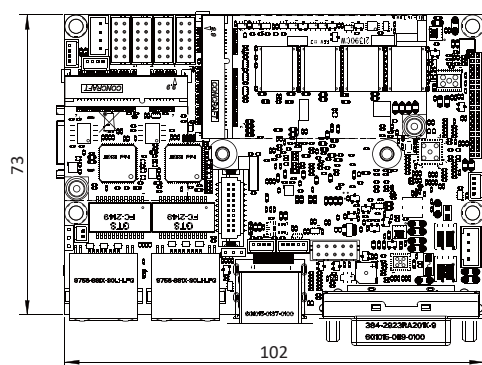
Pico-ITX SBC supports Intel® Apollo Lake Pentium / Celeron / Atom CPU
DVI, HDMI, eDP, 2 x Intel Gb Ethernet
4DI / 4DO, 5 x USB, 2 x COM, 2 x Mini PCIe, LEX eIO, SMBus



Features:

- Intel® Apollo Lake Pentium® N4200 2.5 GHz (Quad Core)
Celeron® N3350 2.4 GHz (Dual Core)
Atom™ E3950 2.0 GHz (Quad Core)
- On Board DDR3L 1600 MHz 2GB / 4GB
- Multiple Independent display: DVI, HDMI & eDP
- 2 x Intel GbE LAN, 2 x USB 3.0, 3 x USB 2.0
- 2 x COM, 4DI / 4DO, 2 x Mini PCIe, SMBus
- LEX eIO expansion

Dimensions: (Unit:mm)



Specifications :

- CPU**
Intel® Apollo Lake Pentium® N4200 2.5 GHz (Quad Core)
Celeron® N3350 2.4 GHz (Dual Core)
Atom™ E3950 2.0 GHz (Quad Core)
- MB Chipset**
Intel® Apollo Lake SoC
- Graphics**
Intel Gen9 Graphic engine
DirectX11, OpenGL3.2, OpenCL1.2, Full HW acceleration,
decode: H.264, MPEG 2 / 4, VC-1, WMV9. Encode: H.264, MPEG2
- System Memory**
On Board DDR3L 1600 MHz 2GB / 4GB
- Storage**
1 x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s), Share with mSATA 1
2 x mini card socket for mSATA
- BIOS**
Insyde UEFI BIOS
- Display**
1 x DVI, 1 x HDMI, 1 x eDP
- LAN**
2 x Intel GbE (external)
- Audio (OEM)**
High Definition Audio Specification, Support Line-out / Mic-in / Line-in
- Expansion Interface**
1 x Full size Mini PCIe (PCIe / mSATA / USB)
1 x Half 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 3.0 (internal)
1 x USB 2.0 (external), 2 x USB 2.0 (internal)

USB Expansion

USB to	COM, Mini Card, M.2, Audio board
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- Serial IO**
2 x RS232 / 422 / 485 (internal)
*COM1 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 +9~36V
- Dimension**
Pico-ITX 2.5" (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: MIRO 2-eIO, MIRO-RS, TERA
- OS Support**
Windows® 10 IOT (64bit), Ubuntu 16.04.1 above, Fedora 25 above