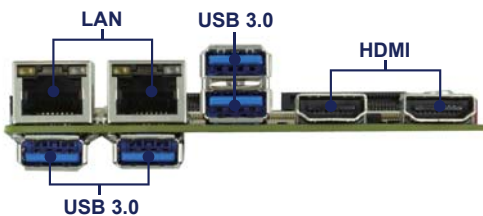


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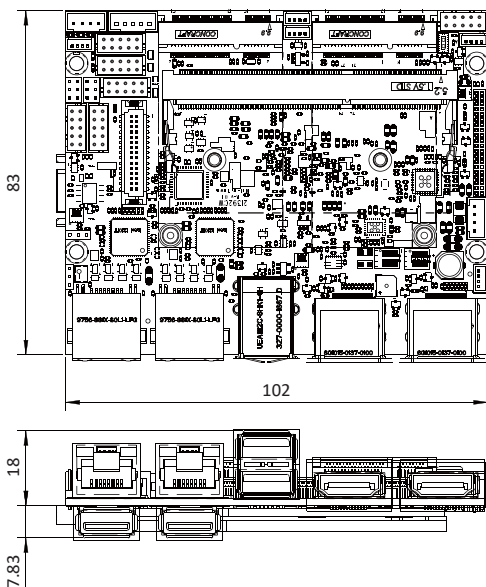
Pico-ITX SBC supports Intel® Apollo Lake Pentium / Celeron / Atom CPU
 2 x HDMI, LVDS, Touch, 2 x Intel Gb Ethernet
 4DI / 4DO, 6 x USB, 2 x COM, 2 x Mini PCIe, LEX eIO, SMBus



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)
- 1 x DDR3L 1600 MHz SODIMM, Max . 8GB
- Multiple Independent display: 2 x HDMI (OEM to DP) & LVDS
- 2 x Intel GbE LAN, 4 x USB 3.0, 2 x USB 2.0
- 2 x COM, 4DI / 4DO, 2 x Mini PCIe, SMBus
- LEX eIO expansion
- TPM (Optional)

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
 1 x DDR3L 1600 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
 2 x HDMI (OEM to DP), Dual Channel, 48 bits LVDS
- Touch
 USB touch screen controller
- TPM
 TPM 2.0 (Option)
- LAN
 2 x Intel GbE (external)
- Audio (OEM)
 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
 4 x USB 3.0 (external), 2 x USB 2.0 (internal)-share Mini PCIe

USB Expansion

USB to	COM, Mini Card, M.2, Audio board
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- Serial IO
 2 x RS232 / 422 / 485 (internal)
 *COM1, COM2 pin9 5V / 12V selectable by jumper
- 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 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: MIRO 2-eIO, MIRO-RS, TERA
- OS Support
 Windows® 10 IOT (64bit), Ubuntu 16.04.1 above, Fedora 25 above

Specification are subject to change without prior notice. ODM / OEM is available.