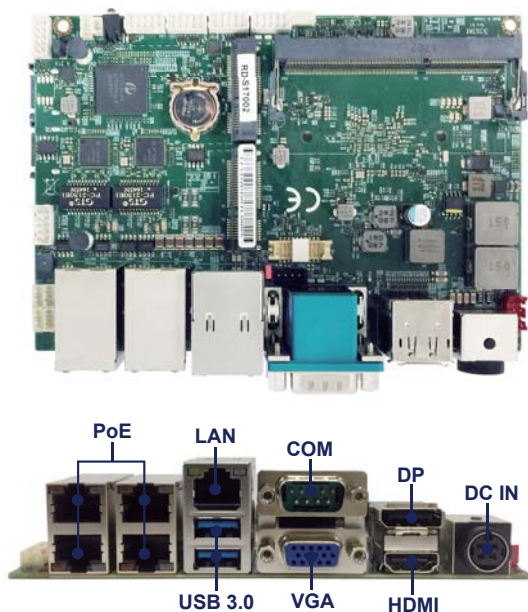


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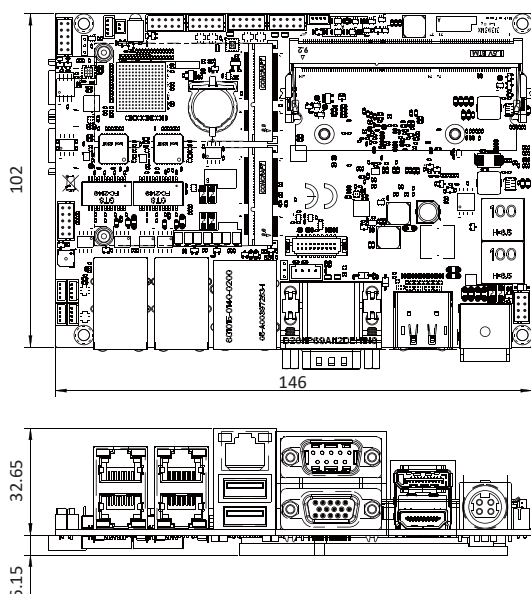
3.5" SBC supports Intel® Apollo Lake Pentium / Celeron / Atom CPU
VG / DP, HDMI, eDP, 4 x PoE, 1 x Intel Gb Ethernet
6 x USB, 8DI / 8DO, 2 x COM, 2 x Mini PCIe, SMBus



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 SODIMM socket, Max. 8GB
- Multiple Independent display:
VGA / DP (share same signal), HDMI & eDP
- 4 x PoE LAN, 1 x Intel GbE, 2 x USB 3.0, 4 x USB 2.0
- 2 x COM, 8DI / 8DO, 2 x Mini PCIe, SMBus
- TPM 2.0 (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**
2 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)
1 x mini card socket for mSATA
- BIOS**
Insyde UEFI BIOS
- Display**
1 x VGA, 1 x DP (share VGA signal), 1 x HDMI, eDP
- TPM**
TPM 2.0 (Option)
- LAN**
4 x Intel GbE (PoE) (external), 1 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 / mSATA / USB)
1 x Full size Mini PCIe (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**
2 x USB 3.0 (external) ; 4 x USB 2.0 (internal)

USB Expansion

USB to	COM, Mini Card, M.2, Audio board
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- Serial IO**
1 x RS232 / 422 / 485 (external)
1 x RS232 / 422 / 485 (internal)
*COM1 pin9 5V / 12V (Option)
- GPIO**
Hardware digital Input & Output, 8 x DI / 8 x DO
- SMBus**
1 x SMBus
- WDT**
Hardware Watch Dog Timer, 0~255 sec programmable
- Power Input**
Wide Range +9~36V
- Dimension**
3.5" (146 x 102 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: TIGER, TASK, MIRO 3
- 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.