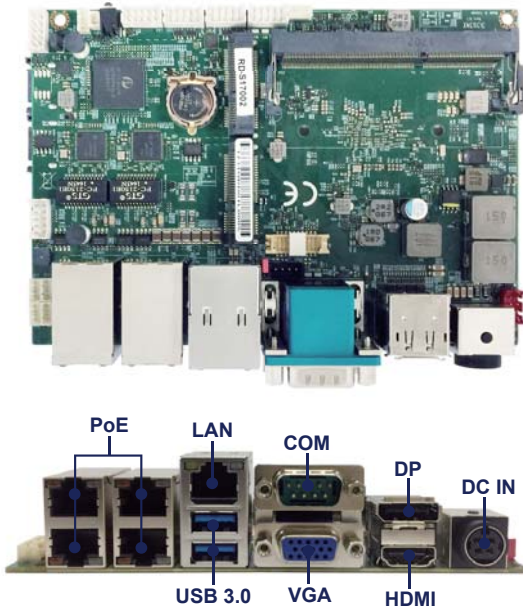


# 3I393NX

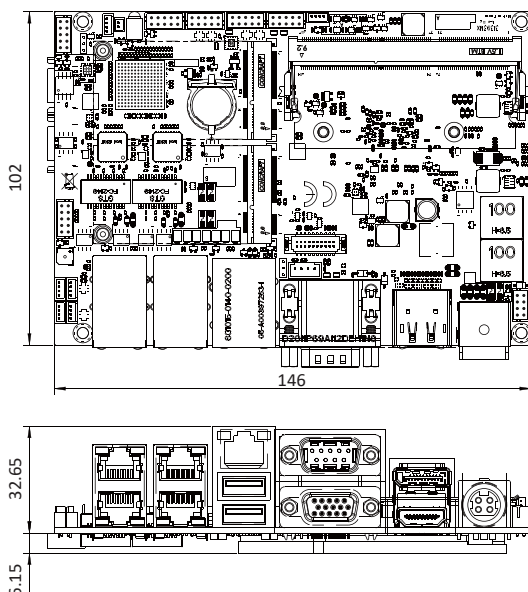
3.5" SBC supports Intel® Apollo Lake Pentium / Celeron / Atom CPU  
 VG / DP, HDMI, eDP, 4 x PoE, 1 x Intel Gb Ethernet  
 6 x USB, 8DI / 8DO, 2 x COM, 2 x Mini PCIe



## 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
- 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 I210IT (PoE) (external), 1 x Intel GbE I210IT (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 |  |
|------------------|--|
| 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)
  - Serial IO
    - 1 x RS232 / 422 / 485 (external)
    - 1 x RS232 / 422 / 485 (internal)
  - GPIO
    - Hardware digital Input & Output, 8 x DI / 8 x DO
  - 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