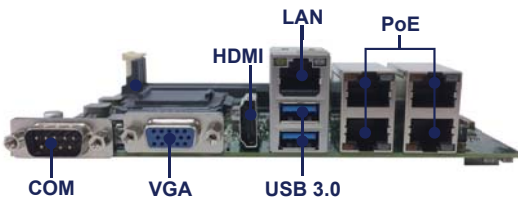


# 3I170NX

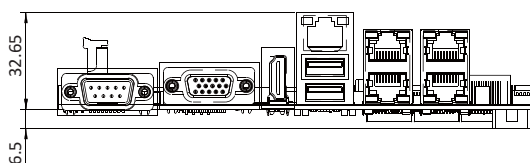
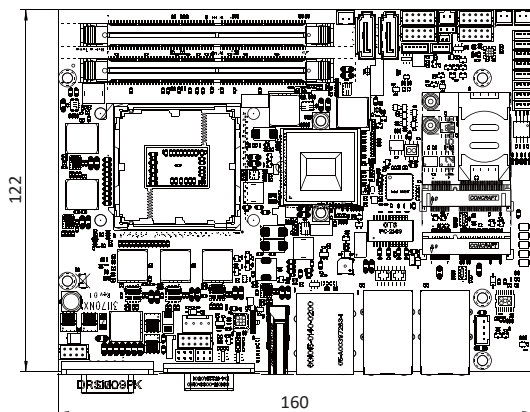
3.5" Plus SBC supports 6th / 7th Gen Intel® Skylake-S / Kaby Lake-S CPU  
VGA, HDMI, 4 x PoE LAN, 1 x Intel Gb Ethernet,  
8DI / 8DO, 10 x USB, 2 x COM, 2 x Mini PCIe, 1 x SIM, SMBus



## Features:

- 6th / 7th Gen Intel® Skylake-S / Kaby Lake-S, i7 / i5 / i3 / Celeron CPU
- Intel® Q170 chipset
- 2 x DDR4 1866 / 2133 MHz SODIMM, Max. 64GB
- Multiple Independent display: VGA & HDMI
- 4 x PoE, 1 x Intel GbE LAN, 2 x USB 3.0, 8 x USB 2.0
- 2 x COM, 8DI / 8DO, 2 x Mini PCIe, 1 x SIM, SMBus
- TPM 2.0

## Dimensions: (Unit:mm)



## Specifications :

- CPU  
6th / 7th Gen Intel® Skylake-S / Kaby Lake-S, i7 / i5 / i3 / Celeron CPU
- MB Chipset  
Intel® Q170 chipset
- Graphics  
Intel® HD Graphics, Support DirectX 12 & OpenGL 4.4 / 4.5
- System Memory  
2 x DDR4 1866 / 2133 MHz SODIMM, Max. 64GB
- Storage  
2 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)  
2 x mini card socket for mSATA
- BIOS  
AMI UEFI BIOS
- Display  
1 x VGA, 1 x HDMI
- TPM  
TPM 2.0
- LAN  
4 x Intel GbE (PoE) (external)  
1 x Intel GbE I219LM (external)
- Audio (OEM)  
High Definition Audio Specification, Support Line-out / Mic-in / Line-in  
Two channel Class D Audio Amplifier
- Expansion Interface  
1 x Full size Mini PCIe (PCIe / mSATA / USB)  
1 x Half size Mini PCIe (PCIe / mSATA / USB)  
1 x SIM

### 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) ; 8 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)  
\*COM1, COM2 pin9 5V / 12V selectable by jumper

- GPIO  
Hardware digital Input & Output, 8 x DI / 8 x DO
- SMBus  
1 x SMBus
- WDT  
Hardware Watch Dog Timer, 0~255 sec programmable
- PS2 KB / MS  
PS2 KB / MS (internal)
- Power Input  
Wide Range +12~36V
- Dimension  
160 x 122 mm
- Operation Temperature (100 % CPU Usage)  
-20°C~70°C (Core i7 6700TE)
- Operation Humidity  
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)  
Box PC: SKY 3
- OS Support

### 7th Generation Intel® Core™ Processor family: Kaby Lake

Windows® 10 IOT (64bit)

Ubuntu 16.04.3 above, Fedora 26 above, CentOS 7.4 above

### 6th Generation Intel® Core™ Processor family: Skylake

Windows® 10 IOT (64bit) / Windows® 8.1 (64bit)

Windows® Embedded 8 Standard (64bit) / Windows® 7 (64bit)

Windows® Embedded Sta 7 (64bit)

Ubuntu 16.04.3 above, Fedora 26 above, CentOS 7.4 above