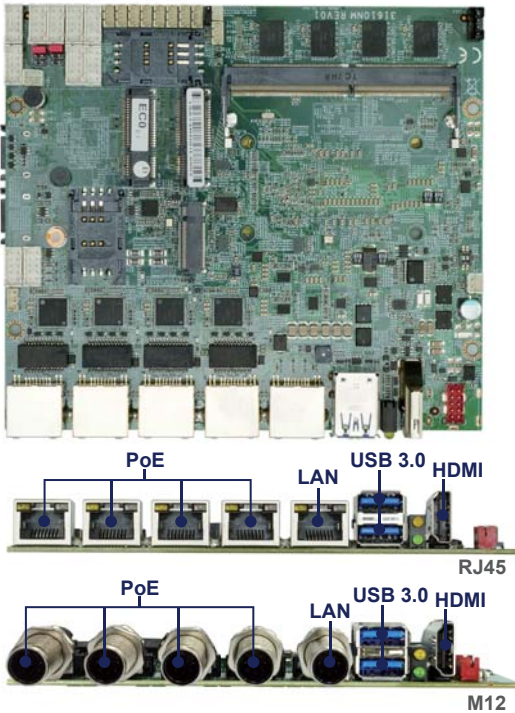


3I610NM

*In-Vehicle NVR w/ 4 x RJ45 / M12 PoE, Ignition Delay on/off control
3.5" Plus SBC supports 6th / 7th Gen Intel® Skylake/ Kaby Lake U CPU
VGA, HDMI, 4 x PoE, 1 x Intel Gb Ethernet, 7 x USB
16DI / 16DO, 2 x COM, 2 x Mini PCIe, 2 x SIM, M.2, SMBus*

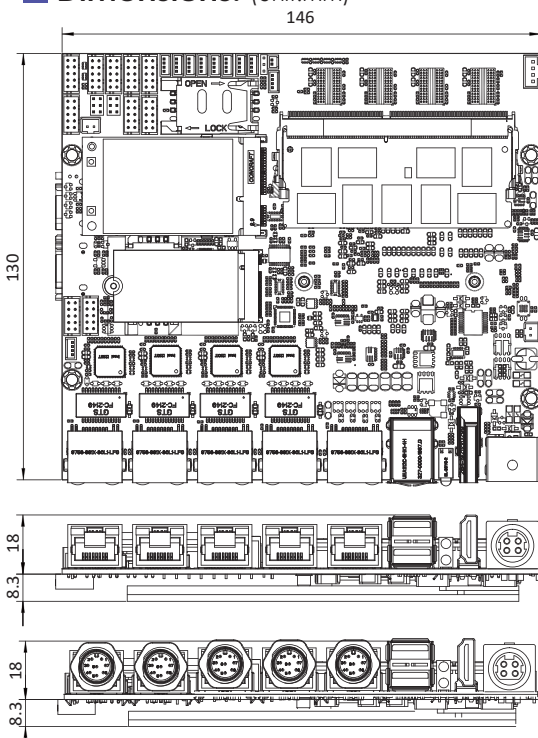


Features:

- 6th / 7th Gen Intel® Skylake / Kaby Lake U, i7 / i5 / i3 / Celeron CPU
- On board DDR4 (OEM) expand extra 32GB (max) via SODIMM
- Multiple Independent display: VGA & HDMI
- 4 x PoE, 1 x Intel GbE LAN, 2 x USB 3.0, 5 x USB 2.0
- 2 x COM, 16DI / 16DO, 2 x Mini PCIe, 2 x SIM, 1 x NVME M.2
- Wide Range 9~48V DC Input, Ignition delay on/off Control
- TPM 2.0 (Optional), SMBus



Dimensions: (Unit:mm)



Specifications :

- CPU
6th / 7th Gen Intel® Skylake-U / Kaby Lake-U, i7 / i5 / i3 / Celeron CPU
- MB Chipset
Intel® Skylake-U / Kaby Lake-U SoC
- Graphics
Intel® HD Graphics, Support DirectX 12 & OpenGL 4.4 / 4.5
- System Memory
On board DDR4 (OEM), expand extra 32GB (max) via SODIMM
- Storage
1 x mini card socket for mSATA
2 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)
1 x M.2 B key Type 3042 (PCIe x 2 / mSATA / USB 2.0 / USB 3.0)
- BIOS
Insyde UEFI BIOS
- Display
1 x VGA, 1 x HDMI
- TPM
TPM 2.0 (Option)
- 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 / USB 2.0), 1 x Half size Mini PCIe (PCIe / mSATA / USB) 2 x SIM
1 x M.2 B key Type 3042 (PCIe x 2 / mSATA / USB 2.0 / USB 3.0)

Expansion Module

Converter Card	CN064: M.2 B key 2242 to M.2 E Key 2230, WiFi 6 + BT 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) ; 5 x USB 2.0 (internal)

USB Expansion

USB to COM, Mini Card, M.2, Audio board

Serial IO

2 x RS232 / 422 / 485 (internal)
*COM1, COM2 pin9 5V / 12V selectable by jumper

GPIO

Hardware digital Input & Output, 16 x DI / 16 x DO

SMBus

1 x SMBus

WDT

Hardware Watch Dog Timer, 0~255 sec programmable

Power Input

Wide Range 9~48V DC Input, Ignition delay on/off Control

Dimension

3.5" Plus (146 x 130 mm)

Operation Temperature (100 % CPU Usage)

-20°C~70°C (Core i7 6600U)

Operation Humidity

5~95%, non-condensing

Chassis (OEM I/O Expansion by request)

Box PC: SKY 3, TASK(L)

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