

3I170HW

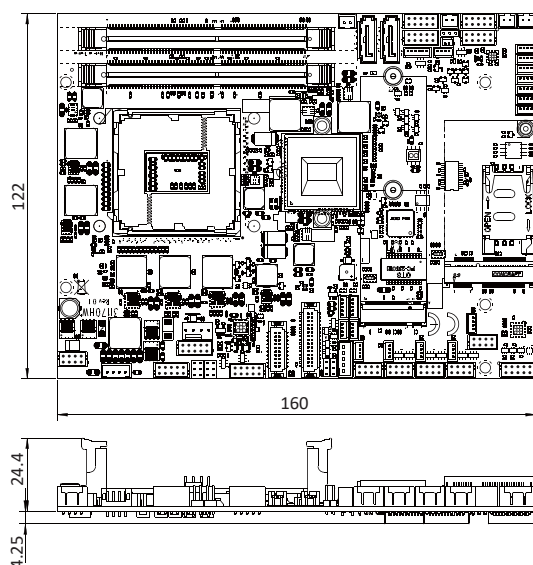
3.5" Plus SBC supports 6th / 7th Gen Intel® Skylake-S / Kaby Lake-S CPU
VGA, HDMI, LVDS, 5 x Intel Gb Ethernet, 9 x USB
8DI / 8DO, 2 x COM, 1 x Mini PCIe, 1 x SIM, 1 x M.2, SMBus



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 & LVDS
- 5 x Intel GbE LAN, 2 x USB 3.0, 7 x USB 2.0
- 2 x COM, 8DI / 8DO, 1 x Mini PCIe, 1 x SIM, 1 x M.2, 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)
1 x mini card socket for mSATA
1 x M.2 B Key, Type 2242 (SATA / PCIe)
- BIOS
AMI UEFI BIOS
- Display
1 x VGA, 1 x HDMI, Dual Channel, 48 bits LVDS
- Touch
USB touch screen controller
- TPM
TPM 2.0
- LAN
1 x Intel GbE I219LM (internal), 4 x Intel GbE (internal)
- 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 M.2 B Key, Type 2242 (SATA / PCIe)
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 (internal) ; 7 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, 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 +9~36V
- 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)
IP66 / 67 waterproof Box PC, IP66 / 67 waterproof PPC
- 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

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