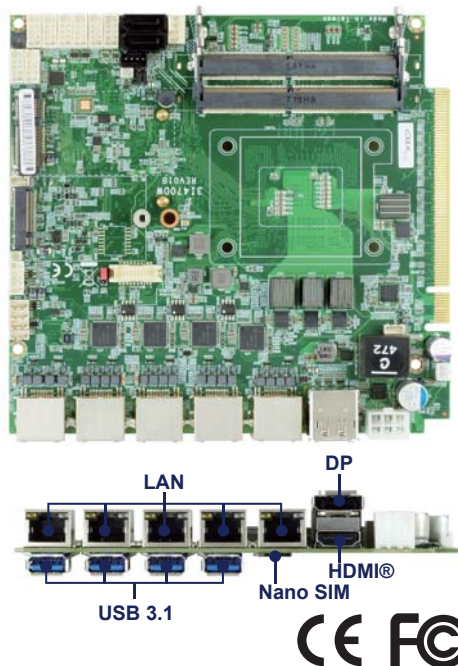


3I470DW

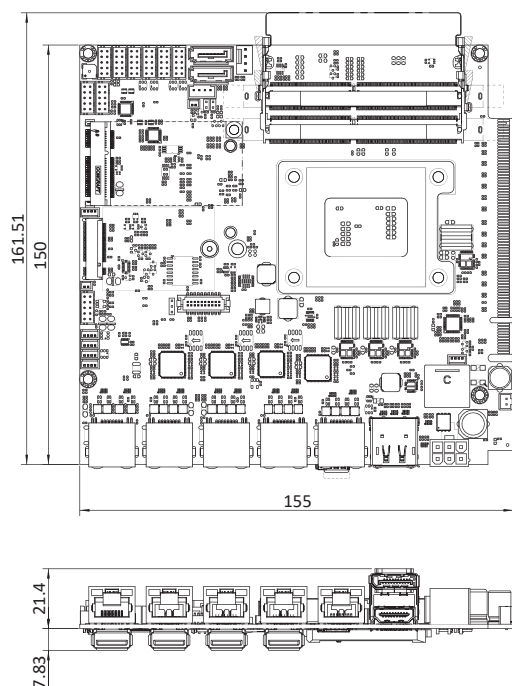
3.5" Plus SBC supports 10th Gen Intel® Core™ Comet Lake S i7 / i5 / i3 CPU, Intel® Q470 chipset DP, HDMI®, eDP, 5 x Intel Gb Ethernet, 8 x USB, 8DI / 8DO 4 x COM, 1 x Mini PCIe, 1 x M.2, 1 x PCIe, 1 x SIM, SMBus



Features:

- 10th Gen Intel® Core™ Comet Lake S i7 / i5 / i3 CPU
- Intel® Q470 chipset
- 2 x DDR4 SODIMM socket, Max. 64GB
- Multiple Independent display: DP, HDMI® & eDP
- 5 x Intel GbE LAN, 4 x USB 3.1, 4 x USB 2.0
- 4 x COM, 1 x Mini PCIe, 1 x PCIe, 1 x M.2, 1 x Nano SIM
- 8DI / 8DO, TPM 2.0, SMBus

Dimensions: (Unit:mm)



Specifications :

- CPU**
10th Gen Intel® Core™ Comet Lake S i7 / i5 / i3 CPU
- MB Chipset**
Intel® Q470
- Graphics**
Intel® UHD Graphics, Support DirectX 12 & OpenGL 4.5
- System Memory**
2 x DDR4 2400 MHz SODIMM, Max. 64GB
- Storage**
2 x SATA port
1 x Mini Card Support mSATA (Shared with SATA2)
1 x M.2 B key Type 2242 / 3042, Support NVMe SSD, SATA SSD
- BIOS**
AMI UEFI BIOS
- Display**
1 x DP, 1 x HDMI®, eDP
- TPM**
TPM 2.0
- LAN**
1 x Intel GbE I219LM
4 x Intel 2.5 GbE I226-V
- Audio (OEM)**
High Definition Audio Specification, Support Line-out / Mic-in / Line-in
- Expansion Interface**
1 x Full size Mini PCIe (PCIe / mSATA / USB 3.0 / USB 2.0)
1 x M.2 B Key, Type 3042 / 3052 (mSATA / PCIe x2 / USB 3.0 / USB 2.0) (Support NVMe)
1 x Nano SIM
1 x PCIe 16x / 8x / 4x / 1x golden finger

Expansion Options

CN064	M.2 B key 2242 to M.2 E Key 2230, WiFi 6 + BT
CN067	M.2 B key 2242 to M.2 B Key 2252, 4G / 5G (3.7V by BOM Control)
CN059	USB to Line-out / Mic-in
CC007	USB to 4 port COM
CIO116G	SMBus to 8DI + 8DO
PW351	1 port PoE PSE
PW352	2 port PoE PSE
PW301	802.3AF / AT PD module
PW205	Wide Range power board (9~36V) with power Ignition on/off delay
PW206	12V / 24V DC to DC Redundant Power Board
PW022	Wide Range power board (24V / 48V)
DP001	eDP to VGA
eDP003	eDP to DVI
eDP004	eDP to HDMI®
eDP001	eDP to LVDS (OEM)

- USB**
4 x USB 3.1 (external) ; 4 x USB 2.0 (internal)
- Serial IO**
4 x RS232 / 422 / 485 (internal) (OEM option to 6 x COM w/o DIO)
*COM1, COM2 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 +12~36V
- Dimension**
161.51 x 155 mm (Memory at Horizontal DIMM Socket)
150 x 155 mm (Memory at Vertical DIMM Socket) ; Weight: 160g
- Operation Temperature (100 % CPU Usage)**
-20°C~70°C (Core i7 10700T)
- Operation Humidity**
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)**
Box PC: APOLLO
- OS Support**
Windows® 10 IOT ; Windows® 11 IOT
Ubuntu 22.04 above, Fedora 36 above

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