



Main Features

- Intel® 8th/9th Generation(Coffee Lake-S, Coffee Lake-S Refresh) Core™ /Pentium/Celeron 14nm LGA 1151 socket Processor, Max. 95W, PCH Q370
- 4 x U-DIMM DDR4 non-ECC SO-DIMM 2666MHZ up to 64GB
- Support three display HDMI, DP, VGA
- 2 x PCIe16, 3 x PCIe4, 2 x PCI, 1x M.2 NVMe , 1x mSATA
- Standard Wall Mount Chassis
- Great Scalability with 1x 3.5" +1x 2.5" or 2x 2.5" Front-accessible drive bays

Product Overview

The IPC-720B features as wall mount ruggedized PC chassis. It was designed to build-in industrial ATX motherboard. It equipped with Intel® 8/9th generation Core™ /Pentium/Celeron processors to Support 95W Max and Intel® Q370 chipset. It comes with four DDR4 DIMM socket up to 64GB DDR4 2666MHz with Non-ECC support and integrated HD Graphic controller.

IPC-720B operates temperature range from 0°C to 40°C. This is aimed at embedded applications for outdoor or semi-outdoor environment. Such as CNC, Compact machine controller, AOI with GPU card, Testing Equipment, AI with VPU & GPU 3D Image builder, outdoor systems installed in harsh environments, home automation and thin clients...etc.

Specifications

CPU / Chipset

- Intel® 8/9th Generation(Coffee Lake-S, Coffee Lake-S Refresh) Core™ /Pentium/Celeron LGA 1151 socket Processor,
- Intel® Q370 Express Chipset

Main Memory

- 4 x DDR4 U-DIMM memory Socket with non-ECC support, up to 64 GB 2666MHZ.

BIOS

- AMI (UEFI)

Display

- 1 x VGA DB9 connector (resolution up to 1920x1080 @60Hz)
- 1 x HDMI1.4b connector (resolution up to 4096 x 2160 @ 30Hz)
- 1 x DP connector(resolution up to 4096 x 2304 @60Hz)
- Support VGA+HDMI+DP independent display

System

- 1 x AT or ATX select jumper

Storage

- 7 x SATA III (6.0Gb/s) ports, support RAID 0/1/5/10
- 1 x mSATA
- 1 x M.2 22 x 80, support NVMe

Expansion Slot

- 2 x PCIe16, 3 x PCIe4, 2 x PCI
(M.2 and PCIe 4X slot1 only share one same PCIe3.0 signal)

Front I/O

- Power status LED
- Power switch
- 2 x USB2.0
- 8 cm Chassis Fan
- 1x 3.5" +1x 2.5" or 2 x 2.5 " drive bay

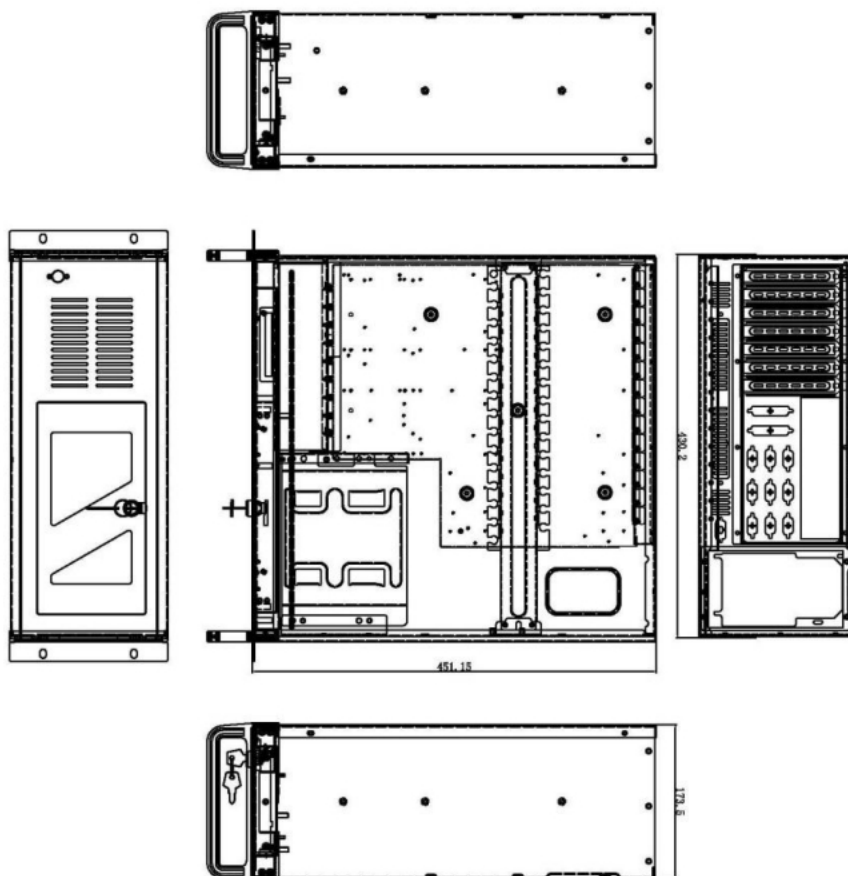
Rear I/O

- 1 x VGA, 1x DP, 1x HDMI
- 4 x USB2.0, 6 x USB3.0
- 4 x RJ45 (Intel I 211 Giga LAN chip)
- 2 x DB9 (RS232/RS422/RS485)
- 1 x AUDIO phone jack(Mic in, Line out, Line in)
- 4 x USB3.0 (by 1x 4 port USB3.0 expansion card)

Internal I/O

- 2 x USB2.0
- 4 x RS232 header(COM3, COM4, COM5, COM6)
- 1 x Key/Mouse header
- 1 x 8DI/DO header

Dimen



Power Requirement

- 1x AC input, 90~264AC input, ATX output
- ATX 400W power supply

Mounting

- Wall Mount

Dimensions

- 450(W) x 172 (H) x 482 (D) mm (w/o wall mount bracket)
- Weight: 11.4KG
- Chassis Color: Black

OS support

- Windows 10 /Linux

Environment

- Board level operation temperture : 0°C to 60°C
- Storage temperture : -20°C to 60°C
- Relative humidty:
10% to 85% (operating, non-condensing)
5% to 95% (non-operating, non-condensing)

Certifications

- Meet CE / FCC Class A