PADR-C301-961

Intel® Coffee lake-R CPU, 3xLAN, 2xDP+1xHDMI, 2xCOM, 4xUSB3.1, 7xUSB2.0, 4xPCIe, 1x3.5 "+2x2.5" SATA bay, 4-slot wall mounted, 1U power supply

JHCTECH

IoT Computer
Connecting the Dots

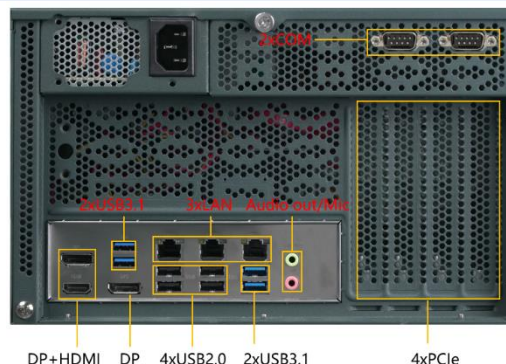IPC-PADR Series

Key Features

- Intel gen 8/9th Coffee lake-R LGA1151 CPU+Q370 PCH
- Dual channel 4xDDR4 2666/2400MHz DIMM, up to 128GB
- Intel UHD Graphic, 2xDP+1xHDMI three independent display
- 1xI219LM Gig. Ethernet+2xI210AT Gig. Ethernet
- 4xUSB3.1, 7xUSB2.0 (two front and one built-in), Audio out and Mic
- 2xRS232/422/485
- 1xPCIeX16 or 2xPCIeX8+2xPCIeX4
- 1xMini PCIe with a SIM card slot, 1xM.2 2280 M-Key
- 1x3.5"+2x2.5 " SATA3.0 shock resistant and anti-vibration hard disk bay
- 4-slot wall mounted chassis, standard 1U Flex power supply, optional for different powers

intel Coffee Lake

140W PEG

RoHS COMPLIANT 2002/95/EC CE FCC

Description

PADR-C301-961 is a standard 4-slot wall mounted industrial computer powered by Intel Q370 chipset and 8th/9th generation Coffee lake-R LGA1151 series processor. Rich functional IO, 4 PCIe expansion capabilities, excellent air-cooled heat dissipation design, different power consumption 1U power selection, suitable for fields such as machine vision, CNC machine tools, and factory production line automation.
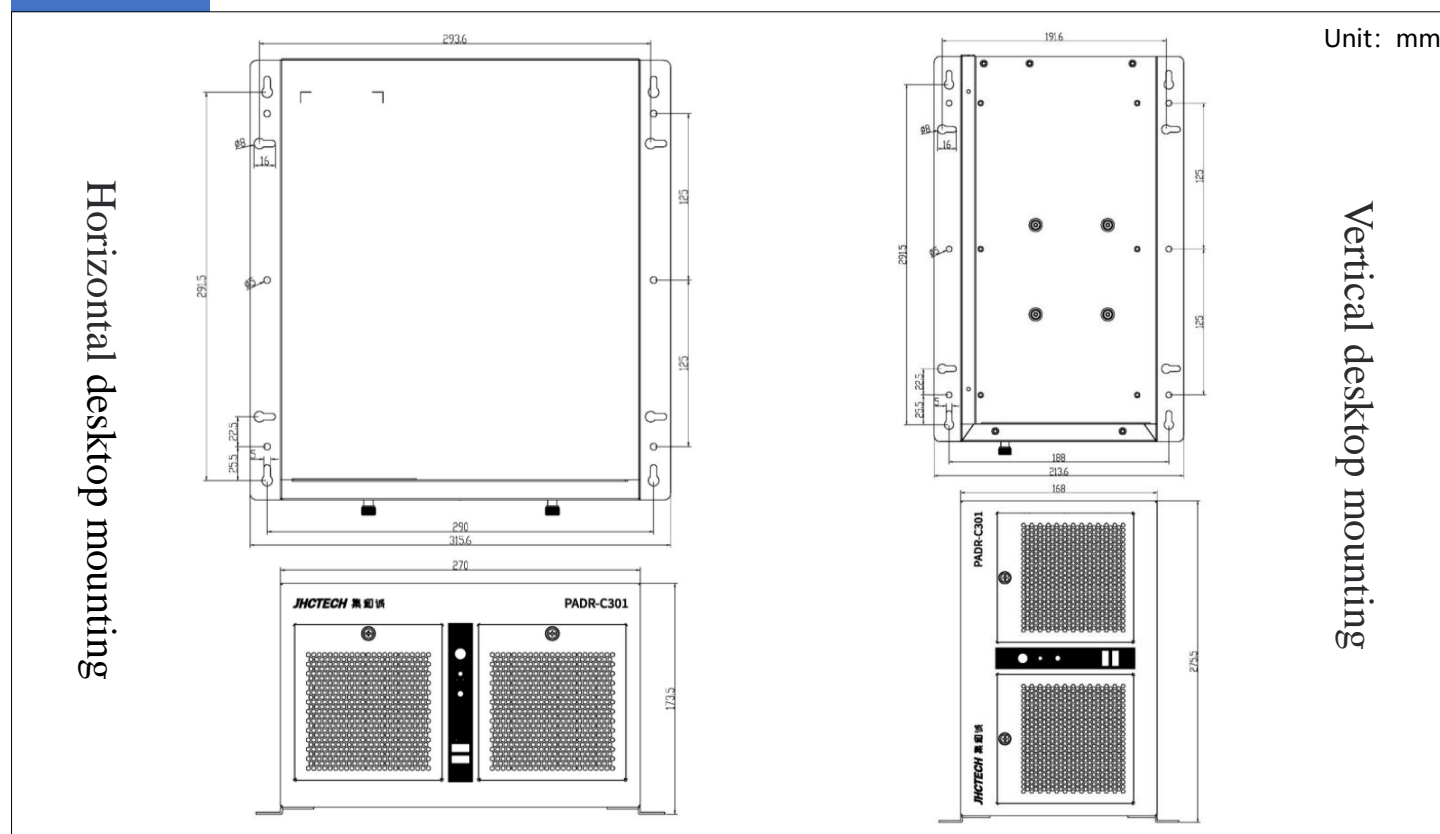
I/O View

9025B FAN

POWER
RESET
H.D.D.
USB
2xUSB2.0

DP+HDMI DP 4xUSB2.0 2xUSB3.1 4xPCIe
2xUSB3.1 3xLAN Audio out/Mic

SPEC.

CPU+PCH	Intel® gen 8/9th Coffee-R Core i9/i7/i5/i3 LGA1151 CPU, up to 95W, Q370 chipset
Memory	4x288-pin Non-ECC DIMM , dual channel DDR4 2400/2666MHz, up to 128GB
Expansion	1xFull size Mini PCIe (PCIe X1+USB) with SIM slot; 1xM.2 2280 M-Key(Gen3, PCIeX4 signal) 2xPCIe X16 slot (PCIe Gen3, support 1xPCIeX16 device, when connecting 2 devices, it automatically switches to 2xPCIe X8) 2xPCIe X8 slot (PCIe Gen3, 2xPCIe X4 signal)
Graphics	Intel UHD Graphics, Supports DirectX* 12, OpenGL 4.5 HDMI max. res. 4096*2304@24Hz, DP max. res. 4096*2304@60Hz, supports three independent displays
Audio	Realtek ALC662VD controller, Support 5.1 channel
LAN	2xIntel I210AT, 10M/100M/1000M self-adapt, support WOL 1xIntel I219LM, 10M/100M/1000M self-adapt, support WOL, supports AMT12.0 and iVpro
Storage	1x3.5 "+2x2.5" SATA3.0, a set of anti-vibration hard disk bay
Rear I/O	3xLAN(RJ45); 1xHDMI+2xDP; 1xLine out+1xMic 2x3.5mm phone jack 4xUSB3.1 Gen2 (10Gb/s, Type A), 4xUSB2.0(Type A); 2xRS232/422/485 (DB9 male)
Front I/O	2xUSB2.0(Type A)
Internal I/O	8bit DIO, 1xUSB2.0(Type A), 2xRS232 pin header, 2xUSB3.1 Gen2, PS/2 wafer, the built-in interface can be elicited through an extension window
Switch & LED	Front with Power Button, Reset Button, Power LED, HDD LED, on board with AT/ATX jumper, Clear CMOS jumper
Power Supply	AC100-240V input, standard 1U power supply 300W, optional 500W (With GPU graphics card, up to 140W power graphics card); TDP: TBD
Watchdog Timer	Watchdog timeout programmable via software 1 to 255 second
Security	Supports TPM2.0(Opt.)
OS Support	Windows* 10 Enterprise & IOT Enterprise (64-bit) (CFL-R) Windows* Server 2016 (Intel® Xeon® E) Ubuntu*、SuSe*、Redhat Enterprise* 1,2 (Kernel 4.14) (CFL-R) Wind River* VxWorks* 7 (CFL-R)

Structure and Mounting	SGCC steel plate, metal mold molding; Desktop mounting & Wall mounting
Cooling	Front two 9025B fans
Color	Granite grey
Dimension	(W*H*D) : 270x168x331.2mm (without mounting parts), 315.6x173.5x331.2 (horizontal desktop installation), 213.6x275.5x331.2 (vertical desktop installation)
Height	6.3 kg
Operating Temperature	0～50℃ (35W-65W CPU with 95W CPU WIND-COOLI; 95W CPU with 125W CPU WIND-COOLI)
Storage Temperature	-40°C~85°C
Storage Humidity	10~95%@40°C, Non-condensing
Vibration	5grms/5~500Hz/random/in working (SSD); 1grms/5~500Hz/random/in working (HDD)
Shock	50g peak acceleration(11ms duration)(SSD); 20g peak acceleration(11ms duration)(HDD)
EMC/Certification	CE/FCC Class A

Dimension

Ordering Info

Model No.	Introduction	Power
PADR-C301/961-300	Intel® Q370 PCH+Coffee lake-R LGA1151 CPU, 4xDDR4 DIMM, 3xLAN, 4xUSB3.1, 7xUSB2.0 (1 built-in), 2xCOM, 1xMini PCIe, 1xM.2 2280 M-Key, 1xPCIe X16 (or 2xPCIeX8), 2xPCIeX4, 1xHDMI, 2xDP, 1xLine out and 1xMic, 1x3.5"+2x2.5" SATA bay.	AC 100-240V, 1U 300W
PADR-C301/961-500		AC 100-240V, 1U 500W

Accessory Pack

Standard Accessories	Amount	Optional Components
Screw jumper package	1	LGA115X, TDP 95W CPU WIND-COOLI
AC power supply cabel	1	DB9 male needle DIO cabel
		SATA 7pin data cable, length 420mm
		LGA115X（B3-1155-9000）, TDP 125W WIND-COOLI
		DB9 serial port cable