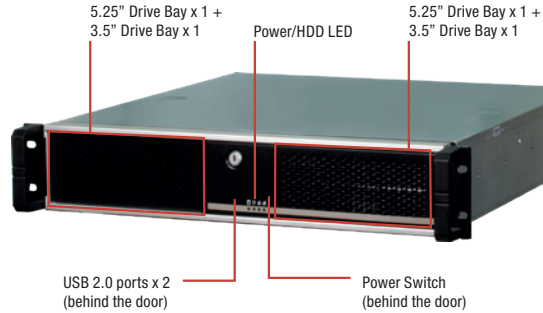


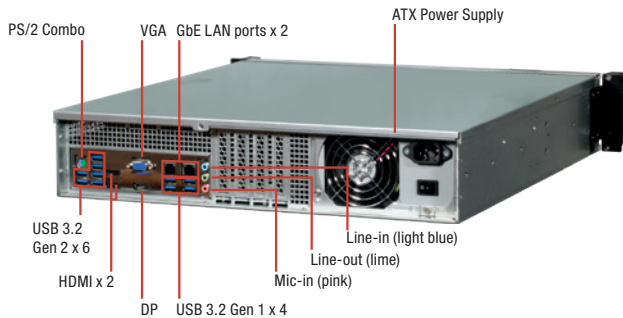
# RT-620R-Q370

2U Industrial Server Chassis with 8th/9th Generation Intel® Core™ Processor, DDR4 DRAM, Multiple Display Ports, Supports iAMT 12.0

Front View



Rear View



## Features

- Industrial computer/workstation for automation and AI edge Computing
- 8th/9th Generation Intel® Core™, Celeron™ LGA 1151 socket Processor
- DDR4 2666/2400/2133 MHz, max. 64GB
- Two Independent Displays: HDMI x 2, DP x 1
- Dual Intel® Gigabit Ethernet, i211AT x 1, i219LM x 1, i219LM Supports iAMT 12.0
- USB 3.2 Gen 2 ports x 6, USB 3.2 Gen 1 ports x 4
- M.2 E-key (PCIe/USB) x 1, M.2 M-key (PCIex4/SATA3) x 1
- Intel® VPU with 8x Myraid X support for AI acceleration(optional)
- Support Windows® 10 64bit, Linux Ubuntu 64bit (18.04.1/Kernal4.8.0) and later
- Support AAEON grabber card



H/W Monitor	Temperature Monitor on CPU/System, Voltage Monitor on Vcore/5V/3.3V/12V, Fan Monitor on CPU/Chassis
Watchdog Timer	1~255 steps by software program
Smart Fan control	CPU Fan connector(s) (4-pin) x 1 Chassis Fan connector(s) (4-pin) x 2
Wake On LAN/ PXE	Yes (WOL / PXE)
Power State	S3, S4, S5
System Fan	Front: 1 x 80mm (T=32mm), PWM mode. Rear: 2 x 40mm (T=28mm)(Option), PWM mode.
<b>I/O</b>	
Front Panel	Power On/Off, System Reset, 2 x USB 2.0
Rear Panel I/O	USB 3.2 Gen 2 ports (10 Gbps) x 6, USB 3.2 Gen 1 ports (5 Gbps) x 4 DP x 1, VGA x 1, HDMI x 2 Audio Jack x 3: Line-in, Mic-in, Line-out PS/2 combo Port (Keyboard & Mouse) x 1 LAN (RJ45) ports x 2
Internal I/O connectors	Storage: SATA III (6.0Gb/s) ports x 4, support RAID 0/1/5/10, M.2 2280 M-key (PCIex4/SATA3) x 1 USB: USB 2.0 headers support additional 3 USB ports (2x5PIN, p=2.54mm) x 2 Audio I/O: Speaker for 2W@4Ω x 1 Serial Port: RS-232 Boxer headers x 5, RS-232/422/485 Boxer header (COM1, Pin9 supports 5V/12V/RI optional) x 1 DIO: 8-bit Digital I/O interface (In/Out programmable) x 1 FAN: CPU Fan connector(s) (4-pin) x 1, Chassis Fan connector(s) (4-pin) x 2 Others: Chassis Intrusion x 1, AT/ATX mode select jumper x 1, Front panel header x 1, Clear CMOS jumper x 1
Expansion	PCIe 3.0[x16] Slot x 1, PCIe 3.0[x4] Slot (open edge) x 2, PCIe 3.0[x1] Slot (open edge) x 1, M.2 2230 E-key (PCIe+USB) x 1, M.2 2280 M-key (PCIex4/SATA3) x 1
<b>Power</b>	
Battery	—
Power Requirement	ATX power supply Input: 90~264V Output: 500W.
<b>Mechanical</b>	
Color	Silver
Dimensions (W X H X D)	457.2 x 430 x 88 (mm) , 18" x 16.9" x 3.5"
Gross Weight	TBC
Net Weight	TBC
<b>Environmental</b>	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C)
Storage Temperature	-49°F ~ 176°F (-45°C ~ 80°C)
Storage Humidity	0%~90%RH, non-condensing

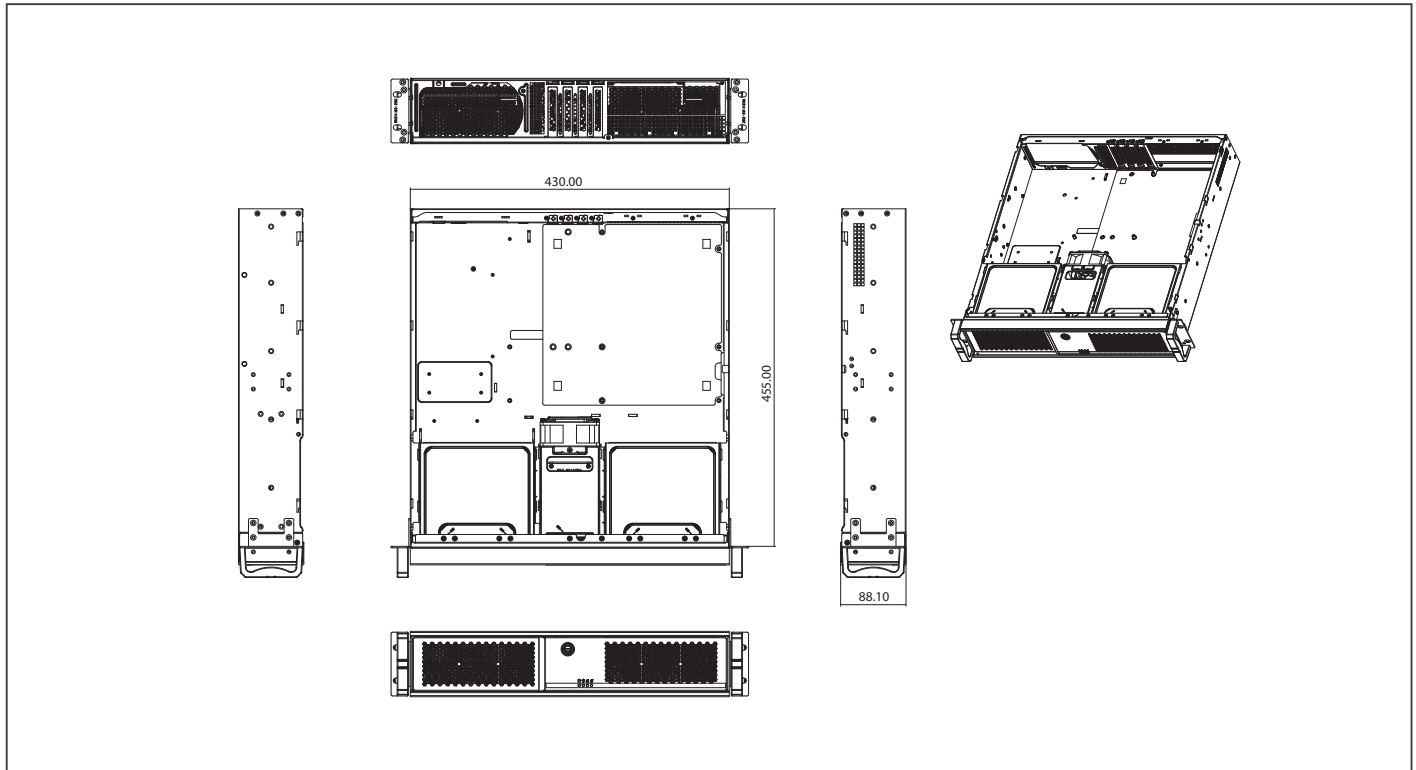
## Specifications

System	
CPU	8th/9th Generation Intel® (Coffee Lake-S) Core™ i9/ i7/ i5/ i3, Pentium™ 14nm LGA 1151 socket Processor, Max. 95W
Chipset	Intel® Q370 Express Chipset
System Memory	DIMM x 4, DDR4 (2666/2400/2133 MHz, max. 64GB) non-ECC, un-buffered memory Dual-channel memory architecture
I/O Chipset	NCT6793D+ F81216HD
Display Interface	HDMI x 2, DP x 1
Storage	SATA III (6.0Gb/s) ports x 4, support RAID 0/1/5/10 M.2 2280 M-key (PCIex4/SATA3) x 1
Storage Devices	Exposed: 2 x 5.25" + 2 x 3.5" Internal: 2 x 2.5"
Audio	Realtek® ALC887 6-Channel High Definition Audio CODEC
Ethernet	Intel® PHY i219LM Gb LAN (supports Intel® AMT 12.0) x 1 Intel® i211AT Gb LAN x 1 RJ45 x 2
TPM	Nuvoton NPCT750AAAYX TPM2.0 onboard

# RT-620R-Q370

## Dimension

Unit: mm



## Packing List

- Product CD (Driver DVD)
- Accessory Box (Cable And Screw Bag)
- RT-620R-Q370

## Ordering Information

- RT-620R-Q370-A10-001  
2U Rackmount Chassis, MAX-Q370A, ATX power supply 500W, Silver color

## Optional Accessories

- COOLER-65W-01  
1U CPU cooler
- AP-FNTH1Q370010  
2U CPU cooler for TDP 95W
- 175921156B  
2U CPU Cooler (2-Ball, Push-pin Type)
- 1759200172  
2U CPU Cooler (2-Ball, Screw with Retention Plate)
- 1702031802  
Power Cord (US & Taiwan Type)
- 1702031803  
Power Cord (European Type)
- 170203180E  
Power Cord (Japanese Type)
- AP-FW9789182100  
(TF)3.5" to 2.5" HDD bracket.Tragant.DeLock 18210
- AP-OT9789343000  
5.25" converter bracket, supports 1x 3.5" hard drive or 2 x 2.5" hard drive