

RT-623R-C246

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

Front View



Features

- Industrial computer/workstation for automation and AI edge Computing
- 8th/9th Generation Intel® Core™, Celeron™, Xeon® E-2200/2100, 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 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
- Support Windows® 10 64bit, Linux Ubuntu 64bit (18.04.1/Kernel4.8.0) 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.
I/O	
Front Panel	Power On/Off, System Reset, 2 x USB3.1 Gen1
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, 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
Power	
Battery	—
Power Requirement	ATX power supply
Mechanical	
Color	Silver
Dimensions (W X H X D)	430 x 88.5 x 400 (mm) , 16.93" x 3.48" x 15.75"
Gross Weight	TBC
Net Weight	TBC
Environmental	
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, Celeron™, Xeon™ E-2200/2100, LGA 1151 socket Processor, Max. 95W(E-2278GE, 8C16T)
Chipset	Intel® C246 Express Chipset
System Memory	DIMM x 4, DDR4 (2666/2400/2133 MHz, max. 64GB), 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