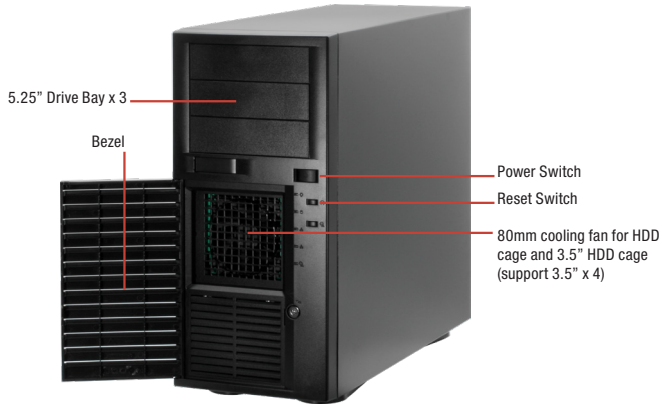


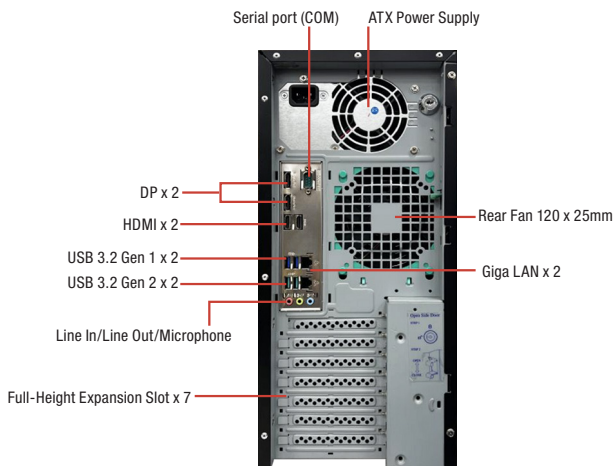
RT-680T-Q670

ATX Tower Server Chassis with 12th/13th Generation Intel® Core™ Processor, DDR5 DRAM, Supports Intel® AMT 12.0, Multiple Display Ports

Front View



Rear View



Features

- 12th/13th Generation Intel® Core™ LGA1700 Socket Processors
- DDR5 4000MHz, Max. 128GB
- Four Independent Displays: HDMI 2.0 x 2, DP x 2, VGA x 1
- Dual Intel® GbE (Optional: additional LAN 3 I225-LM x 1)
- M.2 2280/2242 M-Key x 2, M.2 3042/3052 B-Key x 1 + Micro SIM Slot x 1, Mini PCIe x 1 + Micro SIM Slot x 1
- USB 3.2 Gen 2 x 2, USB 3.2 Gen 1 x 4, USB 2.0 x 3
- SATA x 8
- USB Power Switchable Feature, for convenient USB device remote reset
- Bootable feature in rear USB Port for enhanced security
- Onboard TPM 2.0
- Drive Bays: External 5.25" x 3, Internal 3.5" x 4
- Expansion Slots: Full Height x 7

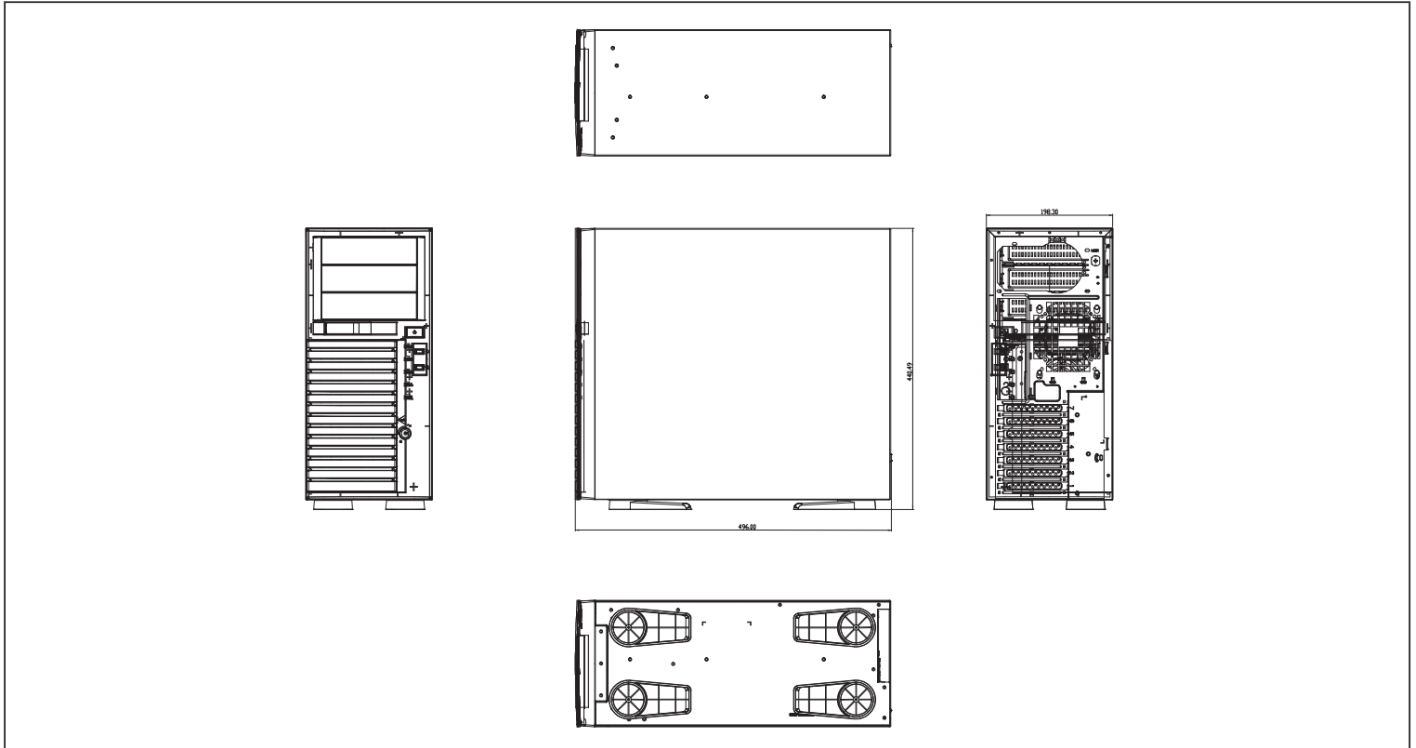
TPM	Onboard TPM 2.0
H/W Monitor	Temperature Monitor on CPU/Chassis, Voltage Monitor on Vcore/5V/3.3V/12V, Fan Monitor on CPU/Chassis
Watchdog Timer	1~255 step by software program
Smart Fan control	CPU Fan x 1 / Chassis Fan x 3
Wake On LAN/ PXE	Yes (WOL / PXE)
Power State	S3, S4, S5
Rear Panel I/O	USB 3.2 Gen 2 x 2 (10Gbps), USB 3.2 Gen 1 x 2 (5Gbps) HDMI x 2, DP x 2 Audio Jack x 3: Line-in, Mic-in, Line-out COM x 1 (supports RS232/422/485, 5V/12V/RJ) RJ-45 LAN x 2
Internal I/O connectors	SATA III x 8, supports RAID 0, 1, 5, 10 M.2 2280 M-Key x 1 (PCIe Gen 4.0, 4 Lanes) M.2 2242/80 M-Key x 1 (PCIe Gen 3.0 1 Lane) USB 3.0 Box Header x 1 (2x5P, p=2.54mm, USB 3.2 Gen 1 x 2 w/ USB Power switchable feature) USB 2.0 Header x 1 (2x5P, p=2.54mm, USB 2.0 x 2 w/ USB Power switchable feature) USB 2.0 (Type-A) x 1 8-bit Digital I/O x 1 (In/Out Programmable) Speaker Header (Line-out) x 1, AAFP x 1 VGA Header x 1 4-pin CPU Fan Connector x 1 4-pin Chassis Fan Connector x 3 RS-232 Header x 5 Others: Chassis Intrusion x 1 AT/ATX Mode Select Jumper x 1 Front Panel Header x 1 Clear CMOS Jumper x 1 Onboard Buzzer x 1 3-pin ME Lock Header x 1
FRONT PANEL	Power On/Off Switch x 1 Reset Button x 1 Power On LED x 1 Hard Disk Drive Active LED x 1 USB 2.0 x 2
SYSTEM FAN	Front: 1 x 80 mm (built-in HDD cage), PWM Rear: 1 x 120 mm, PWM
POWER SUPPLY	
POWER REQUIREMENT	ATX power supply Input:100~240V Output:500W
MECHANICAL	
COLOR	Black
DIMENSIONS (W X H X D)	7.8" x 18.31" x 16.73"(198mm x 465mm x 425mm) (w/o Bezel)
GROSS WEIGHT	TBD
NET WEIGHT	TBD
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	12th/13th Generation Intel® Core™ LGA1700 Socket Processors (formerly Alder Lake/Raptor Lake), TDP Max 125W
CHIPSET	Intel® Q670E
SYSTEM MEMORY	DDR5 4000MHz DIMM x 4, up to 128GB Non-ECC, Unbuffered Memory, Dual-Channel Memory Architecture
I/O Chipset	NCT6126D
DISPLAY INTERFACE	HDMI x 2, DP x 2, VGA Header x 1
STORAGE	SATA III x 8 M.2 2280 M-Key x 1 M.2 2242/80 M-Key x 1
STORAGE DEVICE	External 5.25" x 3" Internal 3.5" x 4"
ETHERNET	Intel® PHY I219-LM Giga LAN x 1 (supports Intel® AMT 12.0) Intel® I210-AT Giga LAN x 1
Expansion Slots	PCIe Gen 5 [x16] x 1 (16 Lanes) PCIe Gen 3 [x1] x 1 (1 Lane, Open Slot) PCIe Gen 4 [x4] x 1 (4 Lanes, Open Slot) PCIe Gen 4 [x16] x 1 (4 lanes) PCI Slot x 3 M.2 3042/3052 B-Key x 1 (PCIe 3.0 [x1]/USB 3.2 Gen 1) Mini PCIe Slot x 1 (PCIe 3.0/USB 2.0) Micro SIM Card Slot x 1 (M.2 B-Key or Mini PCIe Slot)
Audio	Realtek ALC897 6-Channel High Definition Audio CODEC

Dimension

Unit: mm



Packing List

- **Accessory box**
Cable and screw bag
- **RT-680T-Q670**

Ordering Information

- **RT-680T-Q670-A10-0001**
Feature-Rich ATX Tower Server Chassis, ATX-Q670A-A10-2L, ATX power supply 500W, Black color

Optional Accessories

Part Number	Description	QTY
1709100330	USB 2.0 cable (9P, 330MM, p=2.54mm, w/bracket)	1
1700190450	USB3.2 Gen 1 Cable (19P, 450mm, w/bracket)	1
14001-00400100	COM Port Cable (9P, 260mm, p=2.54mm w/bracket)	1
AP-FNTH11700010	(TF).2U CPU cooler for LGA1700,TDP up to 95W.12V.2500RPM. Smart FAN.91*91.Ablecom.ACL-S41120	1
AP-FNTH11700020	(TF).1U CPU cooler for LGA1700,TDP up to 125W.12V.5400RPM. Smart FAN.90*90*25mm.Ablecom.ACL-D11121	1
AP-FNTH11700030	(TF).2U CPU cooler for LGA1700, TDP up to 125W.12V.8400RPM. Smart FAN.95*95*63.5mm.Ablecom.ACL-D21120	1
1702031802	Power Cord (US Type)	1
1702031803	Power Cord (Europe)	1
170203180E	Power Cord (Japan)	1
9789182100	(TF)3.5" to 2.5" HDD bracket.Tragant.DeLock 18210	1