

Features

- ATX Motherboard Support
- 4U Case for Rackmount and Standalone Applications
- Card retainer to hold the card assembly in place
- 120mm front fan with filter for add-on card cooling
- HDD Bays: 3.5" x 4 + 2.5" x 1 (Internal) or 5.25" x 2 (External) + 3.5" x 1, 2.5" x 1 (Internal)
- 7-slot Rear Window
- Supports PS/2 Single or Mini-Redundant PSU

Specifications

System	
Hardware Specifications	This item depends on motherboard selection, see ordering information
Mechanical	
Front Panel	Power ON/OFF Switch x 1 Reset Button x 1 USB 2.0 x 2 LED Indicators: Power LED, HDD LED
System Fan	Front: 120mm x 1 (T=25mm)
Drive Bays : Special Knockable-Out Design	3.5" x 4 + 2.5" x 1 (Internal) or 5.25" x 2 (External) + 3.5" x 1, 2.5" x 1 (Internal)
Color	Black
Backplane	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 I/O Opening x 1
Dimensions (W x H x D)	16.8" x 6.9" x 17.7" (427mm x 177mm x 450mm)
Package Dimension (W x D x H)	23.4" x 21" x 11.4" (595mm x 535mm x 290mm)
Gross Weight	Around 12 kgs.
Net Weight	TBD
Power Supply	
Power Requirement	ATX power supply or Mini-Redundant power supply (Optional)
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

Packing List

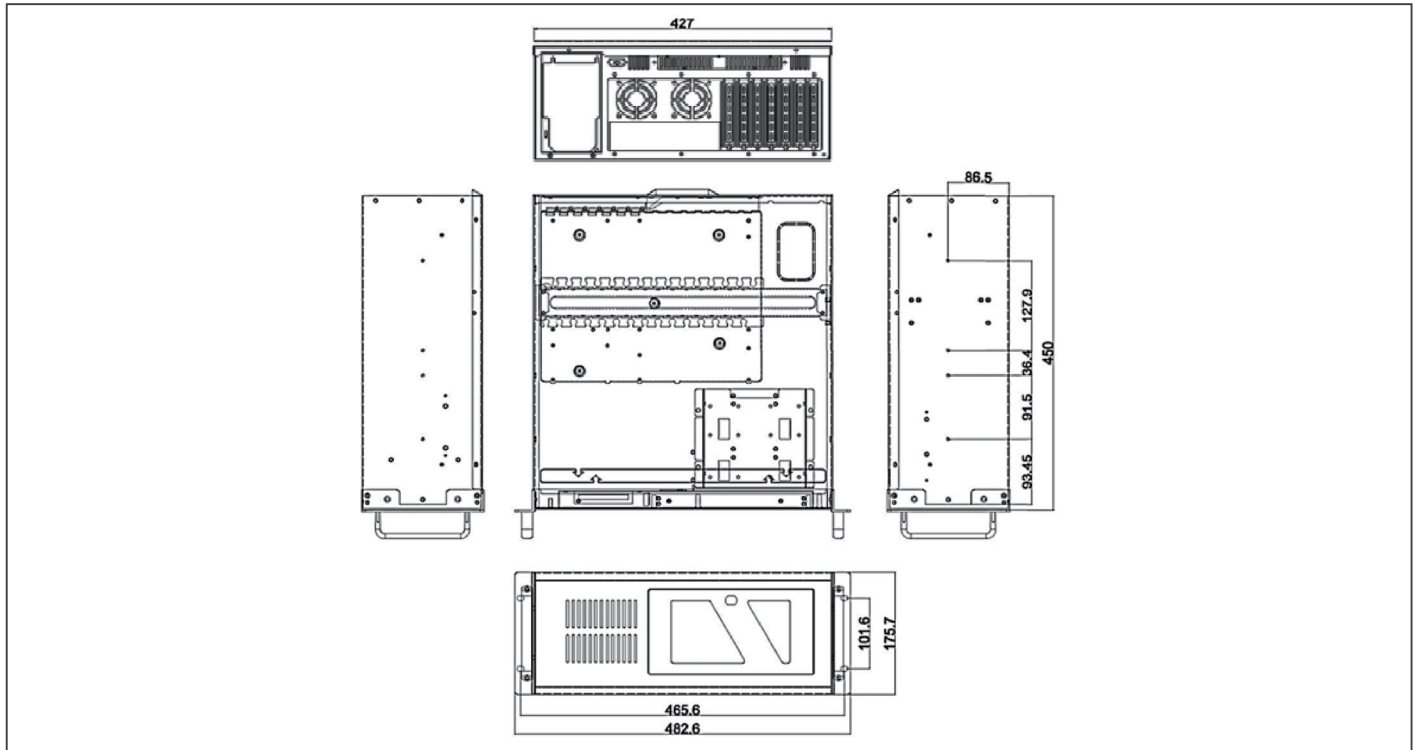
Part Number	Description
RT-661R	RT-661R
Accessory box	Cable and screw bag

Optional Accessories

Part Number	Description	Note
AP-PS1255X00029	100~240V.ATX 500W.8A~4A.Sea	PSU
1255907502	ATX.90 ~ 264Vac.Full Range.750W	PSU
AP-PS1255X00028	100~240V.500W+500W.10A.Mini Redundant Power Supply (PSII) for 4U chassis	PSU
AP-FNTH11700010	2U CPU cooler for LGA1700,TDP up to 95W.	Cooler
AP-FNTH11700030	2U CPU cooler for LGA1700, TDP up to 125W	Cooler
AP-FNTH1Q370010	2U CPU cooler (Heat sink + FAN) for Intel Socket H(LGA1150,1155,1156)TDP Max 130W	Cooler
175920000D	2U CPU Cooler for LGA 1156.Fan+Heat Sink.4P.12V.90*90*68mm	Cooler
1709100330	USB 2.0 cable (9P, 330MM, p=2.54mm, w/bracket)	Cable
1700190450	USB3.2 Gen 1 Cable (19P, 450mm, w/bracket)	Cable
14001-00400100	COM Port Cable (9P, 260mm, p=2.54mm w/bracket)	Cable
1701100505	COM port cable.DB9M+DB9M.IDC 10P+ IDC 10P.500MM (w/bracket)	Cable
1702031802	Power Cord (US Type)	Cable
1702031803	Power Cord (Europe)	Cable
170203180E	Power Cord (Japan)	Cable
AP-OT968MY00093	5.25" to 3.5" and 2.5" bay converter	Converter

Dimension

Unit: mm



Ordering Information

Part Number	Motherboard	CPU	Chipset	RAM	Display Interface	Storage	USB	Ethernet	COM Port	Expansion Slot	TPM
RT-661R-Q670-A10-0001	ATX-Q670A-A10-2L	12th/13th Gen Intel® Core™ LGA 1700 Socket-Type CPU	Intel® Q670E Chipset	DDR5 4000MHz DIMM x 4, up to 128GB Non-ECC, Unbuffered Memory, Dual-Channel Memory Architecture	HDMI x 2 DP x 2 VGA Header x 1	SATA 6Gb/s x 8 M.2 2280 M-Key x 1 M.2 2242/80 M-Key x 1	USB 3.2 Gen 2 x 2 USB 3.2 Gen 1 x 2 USB 3.0 Header x 1 USB 2.0 Header x 1 USB 2.0 x 1 (Vertical Type A)	GbE x 2	RS-232 x 5 RS-232/422/485 x 1	PCIe [x16] x 1 PCIe [x1] x 1 PCIe [x4] x 1 PCIe [x16] x 1 (4 Lanes) PCI Slot x 3 M.2 3042/3052 B-Key x 1 (PCIe/USB) Mini PCIe Slot x 1 (PCIe/USB) Micro SIM Card Slot x 1	TPM2.0 onboard
RT-661R-C246-A10-0001	ATX-C246A-A20-2L-210	8th/9th Gen Intel® Core™ LGA 1151 Socket-Type CPU	Intel® C246 Chipset	DDR4 2666/2400/2133MHz DIMM x 4, up to 128GB ECC, Unbuffered Memory, Dual-Channel Memory Architecture	HDMI x 1 VGA x 1 DP x 1	SATA 6Gb/s x 4 M.2 2280 M-Key x 1	USB 3.2 Gen 2 x 4 USB 3.2 Gen 1 x 2 USB 2.0 x 6	GbE x 2	RS-232 x 5 RS-232/422/485 x 1	PCIe [x16] x 1 PCIe [x4] (open edge) x 2 PCIe [x1] (open edge) x 2 PCI Slot x 2 M.2 2230 E-Key x 1 M.2 2280 M-Key x 1	TPM2.0 onboard
RT-661R-Q370-A10-0001	ATX-Q370A-A20-2L-210	8th/9th Gen Intel® Core™ LGA 1151 Socket-Type CPU	Intel® Q370 Chipset	DDR4 2666/2400/2133MHz DIMM x 4, up to 128GB Non-ECC, Unbuffered Memory, Dual-Channel Memory Architecture	HDMI x 1 VGA x 1 DP x 1	SATA 6Gb/s x 4 M.2 2280 M-Key x 1	USB 3.2 Gen 2 x 4 USB 3.2 Gen 1 x 2 USB 2.0 x 6	GbE x 2	RS-232 x 5 RS-232/422/485 x 1	PCIe [x16] x 1 PCIe [x4] (open edge) x 2 PCIe [x1] (open edge) x 2 PCI Slot x 2 M.2 2230 E-Key x 1 M.2 2280 M-Key x 1	TPM2.0 onboard
RT-661R-H310-A10-0001	ATX-H310A-A11-210	8th/9th Gen Intel® Core™ LGA 1151 Socket-Type CPU	Intel® H310 Chipset	DDR4 2666/2400/2133MHz DIMM x 2, up to 64GB Non-ECC, Unbuffered Memory, Dual-Channel Memory Architecture	HDMI x 1 VGA x 1 DP x 1	SATA 6Gb/s x 3, M.2 2280/2242 M-Key x 1	USB 3.2 Gen 1 x 2 USB 2.0 x 4 USB 3.2 Gen 1 header x 1 USB 2.0 type A (vertical) x 1	GbE x 2	RS-232 x 5 RS-232/422/485 x 1	PCIe [x16] x 1 PCIe [x4] (open edge) x 2 (#1: 1 Lane, #2: 2 Lanes) PCI Slot x 3 M.2 2280/2242 M-Key x 1	TPM2.0 onboard
RT-661R-Q170-A10-0001	IMBA-Q170A-A11-2P4-210	6th/7th Gen Intel® Core™ LGA 1151 Socket-Type CPU	Intel® Q170 Chipset	DDR4 2400/2133/1867MHz DIMM x 4, up to 64GB Dual-Channel Memory Architecture	VGA x 1 HDMI x 2	M.2 2280 M-Key x 1 (SATA only), SATA 6Gb/s x 3	USB 3.2 Gen 1 x 10 USB 2.0 x 3	GbE x 2	RS-232 x 5 RS-232/422/485 x 1	PCIe [x16] x 1 PCIe [x4] x 2 PCI Slot x 3 M.2 2230 E-Key x 1	TPM2.0 onboard
RT-661R-H110-A10-0001	IMBA-H110A-A11-210	6th/7th Gen Intel® Core™ LGA 1151 Socket-Type CPU	Intel® H110 Chipset	DDR4 2400/2133/1867MHz DIMM x 2, up to 32GB Dual-Channel Memory Architecture	HDMI x 1, DP x 1, VGA x 1	M.2 2280 M-Key x 1, SATA 6Gb/s x 3	USB 3.2 Gen 1 x 4 USB 2.0 x 6	GbE x 2	RS-232 x 5 RS-232/422/485 x 1	PCIe [x16] x 1 PCIe [x4] x 1 PCI Slot x 4	TPM2.0 onboard