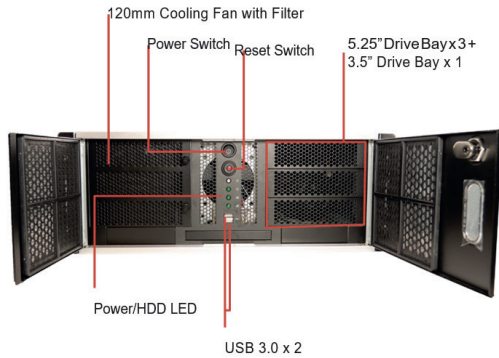


ACS-9000-Q670A

4U 17.5" Rackmount Chassis with 12th Generation Intel® Core™ Processor

Turn-Key Chassis Solutions

Front View



Features

- Industrial Turnkey 4U Rackmount system
- 12th Generation Intel® Core™ LGA1700 Processor
- DDR5 DIMM 4000 MHz x 4, max. 128GB
- Front Panel: Front Door with lock, 120mm System FAN x 1, USB 2.0 x 2, Power switch, Reset Switch, Power/ HDD LED, 5.25" Drive Bay x3 + 3.5 inch Drive Bay x 1
- Rear Panel: HDMI x2, DP x2, Dual Intel® Gigabit Ethernet, i210AT x1, i219LM x1 (Supports vPro), USB 3.2 Gen 2 ports x 2, USB 3.2 Gen 1 ports x2, DB-9 COM x 1, 2x 80mm FAN (Optional)
- PCIe [x16] x1, PCIe [x1] (open edge) x1, PCIe [x 4] (open edge) x1, PCIe [x16] x1 (4 lanes) x1, PCI x 3
- Internal 4 x 3.5" HDD



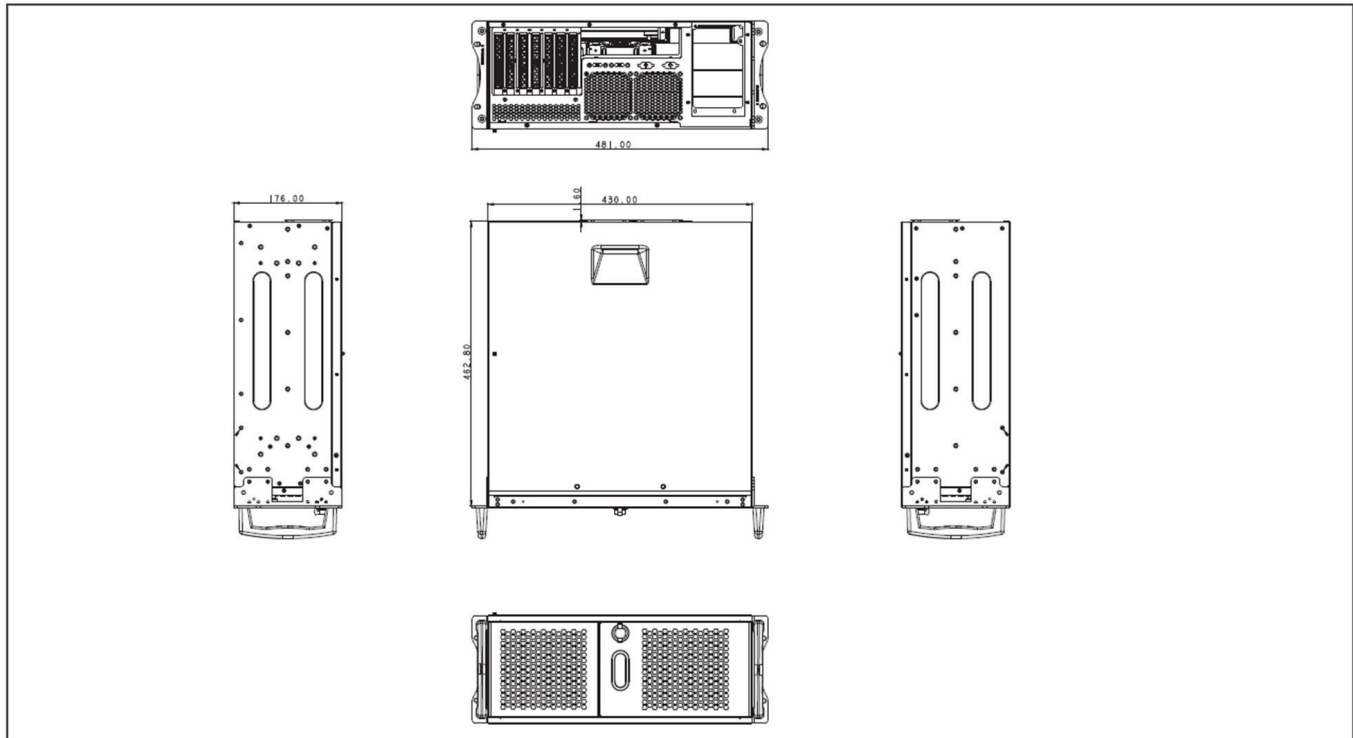
Wake On LAN	Yes (WOL / PXE)
H/W Monitor	Temperature Monitor on CPU/Chassis, Voltage Monitor on Vcore/5V/3.3V/12V, Fan Monitor on CPU/Chassis
Watchdog Timer	1-255 seconds, programmable
System Fan	Front: 1 x 120mm (T=25mm) FAN, PWM mode. Rear: 2 x 80mm (T=25mm) FAN, PWM mode (Optional)
I/O	
Front Panel	Power On/Off button, LED for Power/HDD, 2x USB 3.0
Rear Panel I/O	USB 3.2 Gen2 ports (10 Gbps) x 2, USB 3.2 Gen1 ports (5 Gbps) x 2 HDMI x 2, DP x 2 Audio Jack x 3: Line-in, Mic-in, Line-out LAN (RJ45) ports x 2 Expansion Slot x 7 ATX PSU Socket
Internal I/O	SATA III (6.0Gb/s) ports x 8, support RAID 0/1/5/10 M.2 2280 M-key (PCIex4) x 1 M.2 2242/80 M Key (PCIe x1) x1 USB 3.0 headers x 1 support additional 2 USB ports (2x5PIN, p=2.54mm) USB 2.0 headers x 1 support additional 2 USB ports (2x5PIN, p=2.54mm) VGA Header RS-232 headers x 5 8-bit Digital I/O interface (In/Out programmable) x 1
Expansion	PCIe [x16] Slot (16 lanes, Gen5) x 1 PCIe [x1] Slot (open Slot) (1 lane, Gen3) x 1 PCIe [x4] Slot (open Slot) (4 lanes, Gen4) x 1 PCIe [x16] Slot (4 lanes, Gen4) x 1 PCI Slot x 3 M.2 3042/3052 B Key (PCIe 3.0 x1 / USB3.2 Gen1) x 1 Mini PCIe Slot (PCIe 3.0 / USB2.0) x 1 Micro SIM card Slot x 1 (default with B-key; Option: with Mini PCIe Slot)
Power	
Power Requirement	ATX power supply Input: 180~265V Output: 600W.
Mechanical	
Color & Material	Silver, 1.2mm SGCC
Dimensions	463 D x 430 W x 176 H (mm), 17.5" x 16.9" x 6.9"
Gross Weight	14 Kgs

Specifications

System	
CPU	Intel® 12th Generation (Intel® Alder Lake-S) Core™ i9/ i7/ i5 /i3, Pentium LGA 1700 socket Processor, max TDP 125 Watts
Chipset	Intel® Q670 Express Chipset
Memory	DIMM x 4, DDR5 (4000 MHz, max. 128GB) Non-ECC, un-buffered memory Dual channel memory architecture
BIOS	256Mbit Flash ROM x1, AMI BIOS
Display Interface	HDMI x 2, VGA x 1 (header), DP x 2
Storage	SATA III (6.0Gb/s) ports x 8, support RAID 0/1/5/10 M.2 2280 M-key (PCIex4) x 1 M.2 2242/80 M Key (PCIe x1) x1
Audio	Realtek® ALC897 High Definition Audio CODEC
Ethernet	Intel® PHY i219LM Giga LAN (supports Intel® AMT 12.0) x 1 Intel® i210AT Giga LAN x 1 (BOM option: i225LM x1) RJ45 x 2 (BOM option: RJ45 x3)
TPM	TPM2.0 onboard

Dimension

Unit: mm



Packing List

- EU Power Cord
- ACS-9000-Q470A

Optional Accessories

- 9689666690
2.5-to-3.5-inch HDD Cage, Rack mount
- AP-FNTH11700030
CPU cooler for LGA1700, TDP up to 125W

Ordering Information

P/N	Description	Remark
ACS-9000-Q670A-A10-00020	Barebones 4U Rackmount system, with ATX-Q670A-A10-2L M/B, with system Front 2-door bezel. 600W PSU, with System FAN (Front)	
ACS-9000-Q670A-A10-00031	Barebones 4U Rackmount system, with ATX-Q670A-A10-2L M/B, with system Front 2-door bezel. 850W PSU, with System FAN (Front + Rear)	
ACS-9000-Q670A-A10-00041	Barebones 4U Rackmount system, with ATX-Q670A-A10-2L M/B, with system Front 2-door bezel. 1200W PSU, with System FAN (Front + Rear)	