ACS-9000-Q470A

4U 17.5” Rackmount Chassis with 10th Generation Intel® Core™ Processor, DDR4 DRAM, Supports iAMT 12.0, and Intel® CNVi WLAN Card

Turn-Key Chassis Solutions

Front View

Rear View

Features

- **Industrial Turnkey 4U Rackmount system**
- **10th Generation Intel® Core™ LGA1200 Processor**
- **DDR4 DIMM 2933/2666/2400 MHz, max. 128GB**
- **Front Panel: Front Door with lock, 120mm System FAN x 1, USB 3.2 Gen 1 x2, Power switch, Reset Switch, Power/ HDD LED, 5.25” Drive Bay x3 + 3.5 inch Drive Bay x 1**
- **Rear Panel: HDMI 2.0 x2, HDMI 1.4 x1 VGA x1, Dual Intel® Gigabit Ethernet, i211AT x1, i219LM x1 (Supports Vpro), USB 3.2 Gen 2 ports x2, Gen 1 x4, COM x1, 2x 80mm FAN (Optional)**
- **PCIe [x16] x2, PCIe [x4] (open edge) x2**
- **Internal 4 x 3.5” HDD**

DDR 4 | 1000 Giga LAN | HDMI 2.0 | USB 3.0 | PCIe PCI Express

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 (Option)
I/O	
Front Panel	Power On/Off button, LED for Power/HDD, 2x USB 3.2 (Gen1)
Rear Panel I/O	USB 3.2 Gen2 ports (10 Gbps) x2, USB 3.2 Gen1 ports (5 Gbps) x4 HDMI x3, VGA x1 COM RS232/422/485 x1 Audio Jack x 3: Line-in, Mic-in, Line-out LAN (RJ45) ports x 2 Expansion Slot x 7(4x Expansion Cards) ATX PSU Socket
Internal I/O	SATA III (6.0Gb/s) ports x 4, support RAID 0/1/5/10 M.2 2280 M-key (PCIex4/SATA3) x 1 USB 2.0 headers x1, USB 3.2 Gen 1 Type A (Vertical) 3x RS-232 headers 8-bit Digital I/O interface (In/Out programmable) x 1
Expansion	PCIe 3.0[x16] Slot x 1 (16 lanes) (8 lanes when use dual PCIe x 16) PCIe 3.0 [x 16] Slot x 1 (8 lanes) PCIe 3.0[x4] Slot (open edge) x 1 PCIe 3.0[x4] Slot (open edge) x 1 (2 lanes) M.2 2230 E-key (PCIex1/USB2.0/CNVi) x 1 M.2 2280/2242 M-key (PCIex4/SATA3) x 1 M.2 3042/ 3052 B-Key x 1 Micro SIM Card slot x 1
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
Environmental	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 70°C
Storage Humidity	0~90%, non-condensing

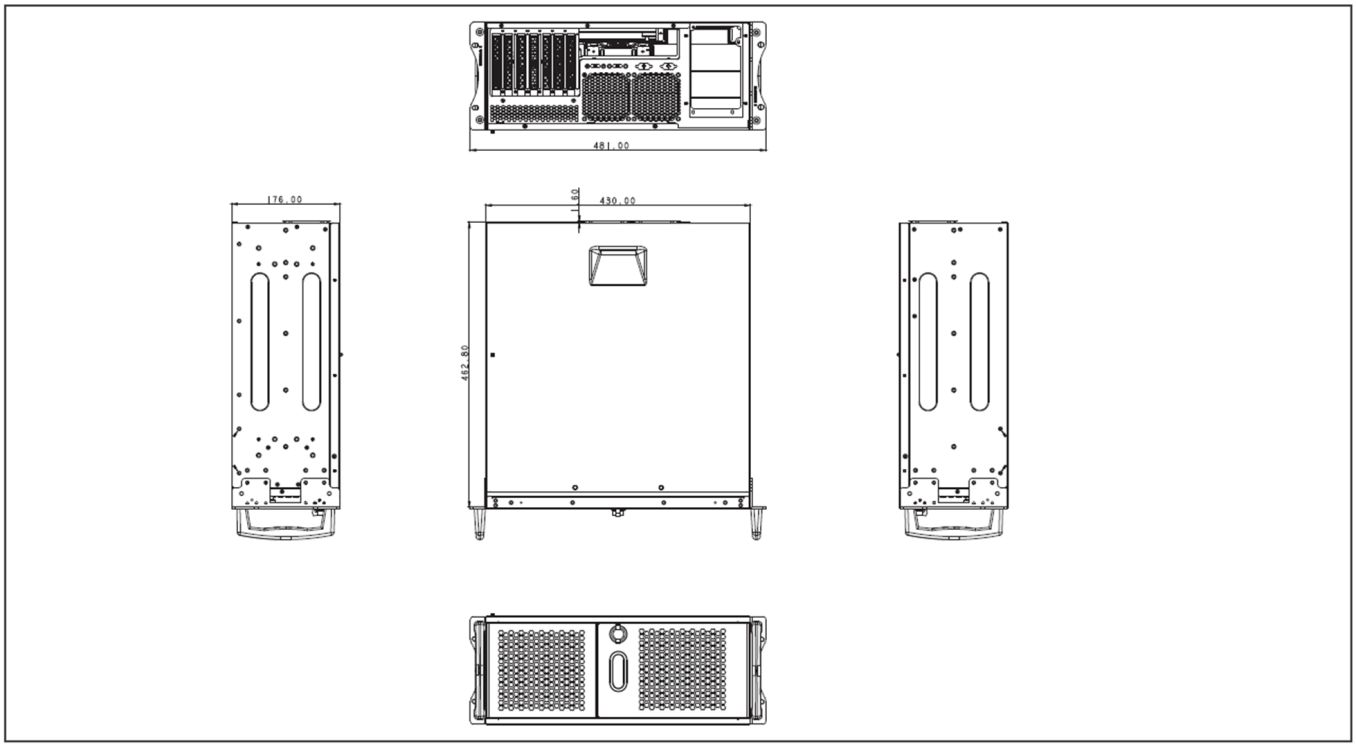
Specifications

System	
CPU	Intel® 10th Generation (Coffee Lake-S/Coffee Lake-S Refresh) Core™ i9/ i7/ i5 /i3, Pentium 14nm LGA 1200 socket Processor, max. TDP 10 Cores 80W
Chipset	Intel® Q470E Express Chipset
Memory	DIMM x 4, DDR4 (2933/2666/2400 MHz, max. 128GB) Non-ECC, un-buffered memory Dual channel memory architecture
BIOS	256Mbit Flash ROM x1, AMI BIOS
Display Interface	HDMI x3, VGA x1
Storage	SATA III (6.0Gb/s) ports x 4, support RAID 0/1/5/10 M.2 2280 M-key (PCIex4/SATA3) x 1
Audio	Realtek® High Definition Audio CODEC
Ethernet	Intel® PHY i219LM Giga LAN (supports Intel® AMT 12.0) x 1 Intel® i211AT Giga LAN x 1
TPM	Nuvoton NPCT750 TPM2.0 onboard (Optional)

Note: All specifications are subject to change without notice.

Dimension

Unit: mm



Packing List

- **EU Power Cord**
- **ACS-9000-Q470A**

Optional Accessories

- **EP-FNDNT01-K785**
  K785 CPU Cooler, 2- Ball, Screw Fastener Mounting.
- **EP-FNE97379-003**
  Intel CPU Cooler, 2- Ball, Push-pin type
- **9689666690**
  2.5-to-3.5-inch HDD Cage, Rack mount

Ordering Information

P/N	Description	Remark
ACS-9000-Q470A-A11-00020	Barebones 4U Rackmount system, with MAX-Q470A-A11-210 M/B, with system Front 2-door bezel. 600W PSU, with System FAN (Front + Rear)	
ACS-9000-Q470A-A11-00031	Barebones 4U Rackmount system, with MAX-Q470A-A11-210 M/B, with system Front 2-door bezel. 850W PSU, with System FAN (Front + Rear)	
ACS-9000-Q470A-A11-00041	Barebones 4U Rackmount system, with MAX-Q470A-A11-210 M/B, with system Front 2-door bezel. 1200W PSU, with System FAN (Front + Rear)	