



Features:

- Supports Intel® 12th/13th Generation Core/Pentium/Celeron Desktop CPUs
- Full set mold forming, standard 19-inch 4U rack-mount chassis
- Installs standard ATX motherboards, supports standard 4U power supplies
- Supports up to 7 full-height card slots for expansion, meeting the application needs of various industries
- User-friendly design, with tool-free maintenance for front-mounted system fans
- Carefully designed tool-free PCIe expansion card holder with enhanced shock resistance
- Up to 8 optional 3.5-inch shock and impact-resistant hard drive bays
- Optional 2 5.25-inch optical drive bays
- Front panel USB, power switch design, power and storage status indicators for easier system maintenance
- Supports unauthorized opening alarm, lockable front door to prevent unauthorized access



Remote Management



Status Monitoring



Remote Operations and Maintenance



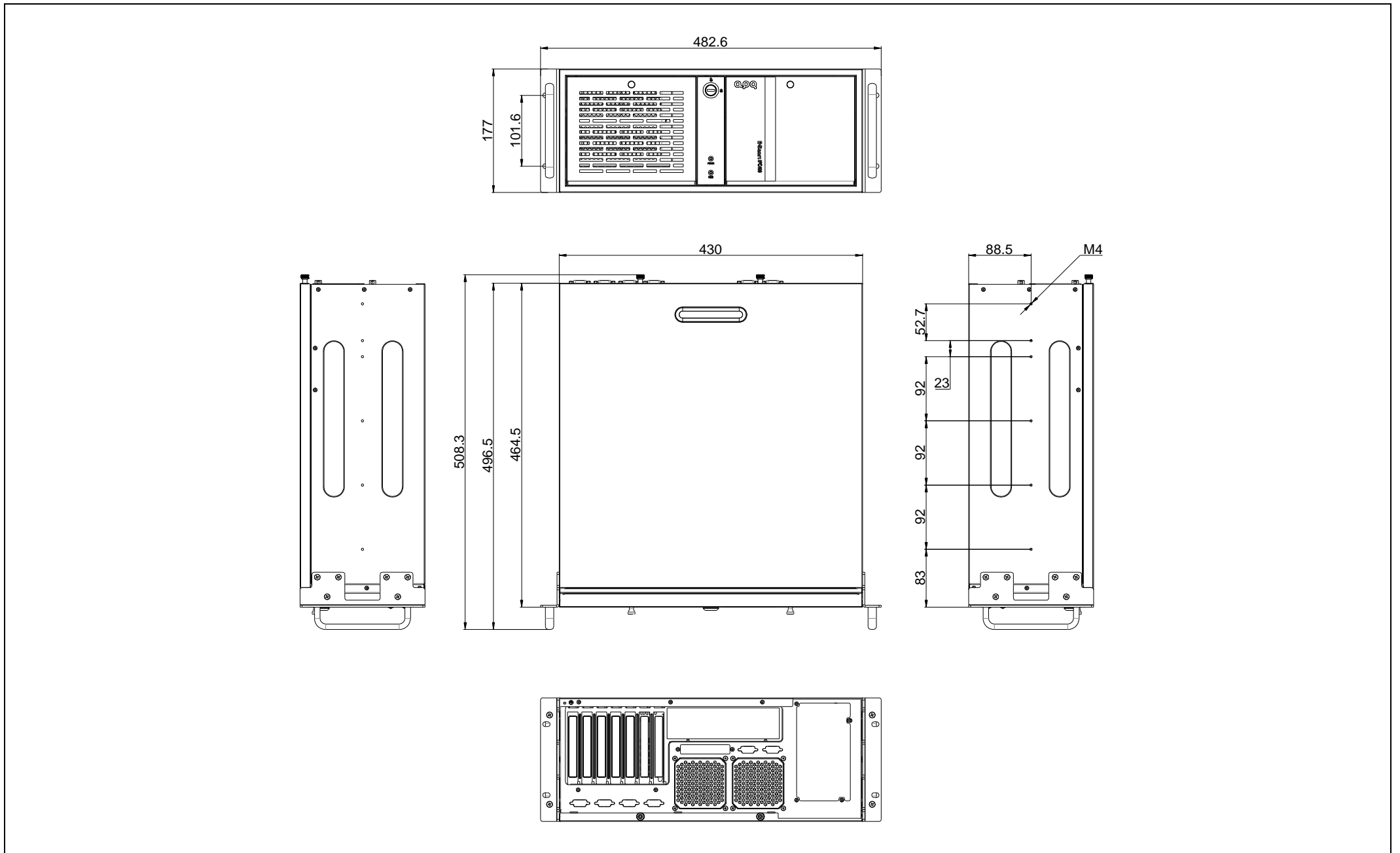
Security Control

Product Specifications

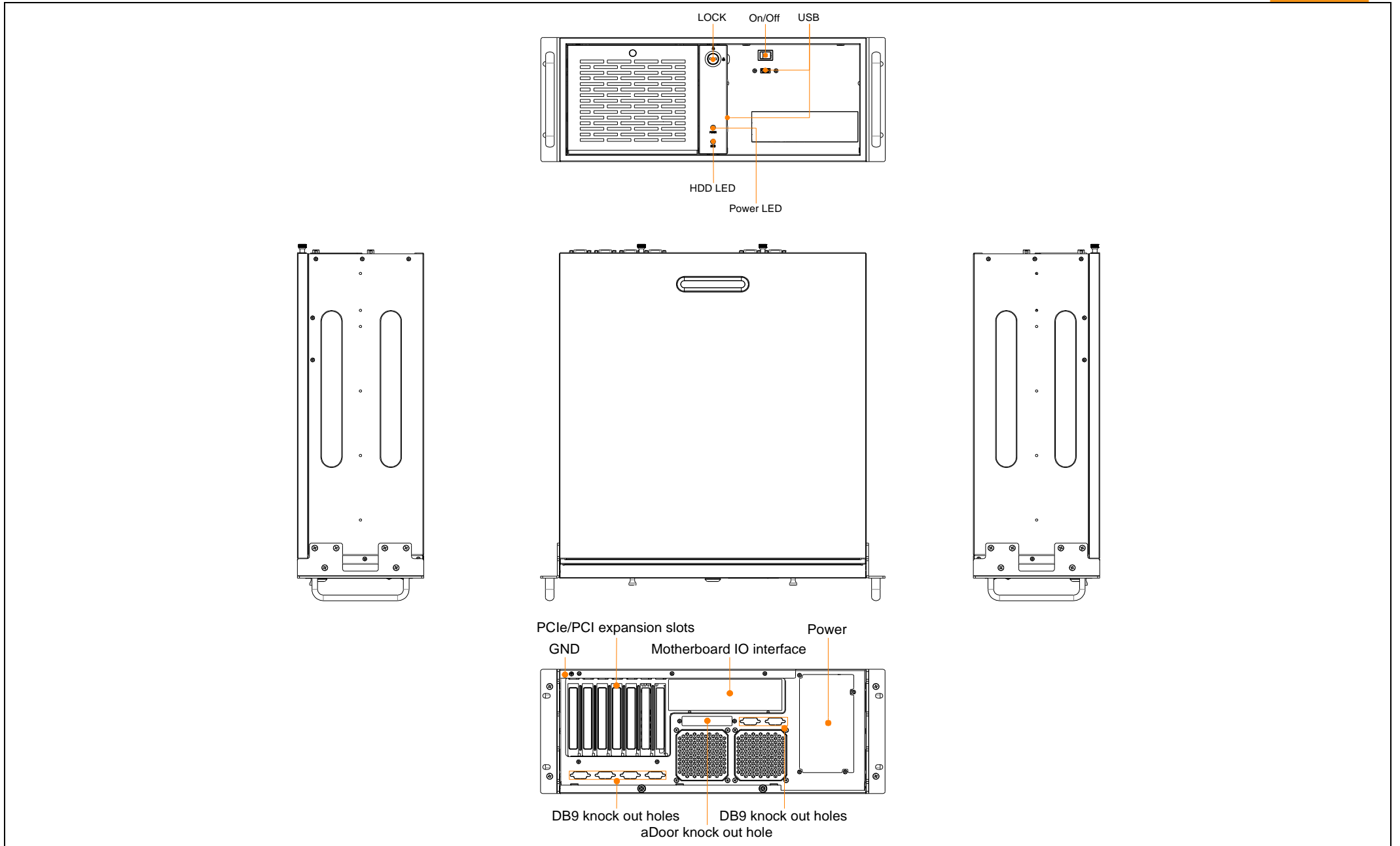
Model	IPC400-Q670	
Processor System	CPU	Support Intel® 12/13th Generation Core / Pentium/ Celeron Desktop CPU
	TDP	125W
	Socket	LGA1700
	Chipset	Q670
	BIOS	AMI 256 Mbit SPI
Memory	Socket	4 * Non-ECC U-DIMM Slot, Dual Channel DDR4 up to 3200MHz
	Capacity	128GB, Single Max. 32GB
Graphics	Controller	Intel® UHD Graphics
Ethernet	Controller	1 * Intel i225-V/LM 2.5GbE LAN Chip (10/100/1000/2500 Mbps, RJ45) 1 * Intel i219-LM/V GbE LAN Chip (10/100/1000 Mbps, RJ45)
	Storage	SATA M.2
Expansion Slots	PCIe	2 * PCIe x16 slot (Gen 5, x16 /NA signal or Gen 4, x8 /x8 signal)
		1 * PCIe x8 slot (Gen 4, x4 signal)
		2 * PCIe x4 slot (Gen 4, x4 signal)
		1 * PCIe x4 slot (Gen 3, x4 signal)
	PCI	1 * PCI slot
Mini PCIe	1 * Mini PCIe (PCIe x1 Gen 3 + USB 2.0, with 1 * SIM Card)	
M.2	1 * M.2 Key-B (USB3.2 Gen 1x1 (co-lay with usb header, default), with 1 * SIM Card, 3042/3052)	
Front I/O	Ethernet	2 * RJ45
	USB	4 * USB3.2 Gen 2x1 (Type-A) 4 * USB3.2 Gen 1x1 (Type-A)
	Display	1 * DP1.4: max resolution up to 3840*2160 @ 60Hz 1 * HDMI2.0: max resolution up to 3840*2160 @ 30Hz
	Audio	3 * 3.5mm Jack (Line-out + Line-in + MIC)
	Serial	2 * RS232/422/485 (COM1/2, DB9/M, Full Lanes, BIOS Switch)
Rear I/O	USB	2 * USB2.0 (Type-A)
	Button	1 * Power Button
	LED	1 * Power status LED 1 * Hard drive status LED
Internal I/O	USB	1 * USB3.2 Gen 1x1 (Vertical TYPE-A) 2 * USB2.0 (One of two shares a signal with the M.2 Key-B, optional, Header)
	COM	4 * RS232 (COM3/4/5/6, Header, Full Lanes)
	Display	1 * VGA: max resolution up to 1920*1200 @ 60Hz (wafer) 1 * eDP: max resolution up to 1920*1200 @ 60Hz (Header)
	Audio	1 * Front Audio (Line-Out + MIC, Header) 1 * Speaker (3W (per channel) into a 4Ω Loads, wafer)
	GPIO	1 * 16 bits DIO (8DI and 8DO, wafer)
	SATA	4 * SATA 7P Connector
	LPT	1 * LPT (Header)
	PS/2	1 * PS/2 (wafer)
	SMBus	1 * SMBus (wafer)
	FAN	2 * SYS FAN (Header) 1 * CPU FAN (Header)
	Power Supply	Type
Power Input Voltage		AC power supply, voltage and frequency shall be based on the ATX power supply provided
RTC Battery		CR2032 Coin Cell
OS Support	Windows	Windows 10/11
	Linux	Linux
Watchdog	Output	System Reset
	Interval	Programmable 1 ~ 255 sec
Mechanical	Enclosure Material	SGCC

	Dimensions	482.6mm(L) * 464.5mm(W) * 177mm(H)
	Mounting	Shelf mounted installation
Environment	Heat Dissipation System	PWM fan cooling
	Operating Temperature	0 ~ 50°C
	Storage Temperature	-20 ~ 70°C
	Relative Humidity	10 to 95% RH (non-condensing)

Product Dimensions



Product I/O



Motherboard Interface

