



## Features:

- Supports Intel® 10th/11th Generation Core/Pentium/Celeron Desktop CPUs
- Full set mold-formed, 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 multiple industries
- User-friendly design, tool-free maintenance of front-mounted system fans
- Carefully designed tool-free PCIe expansion card holder with higher 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, and 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



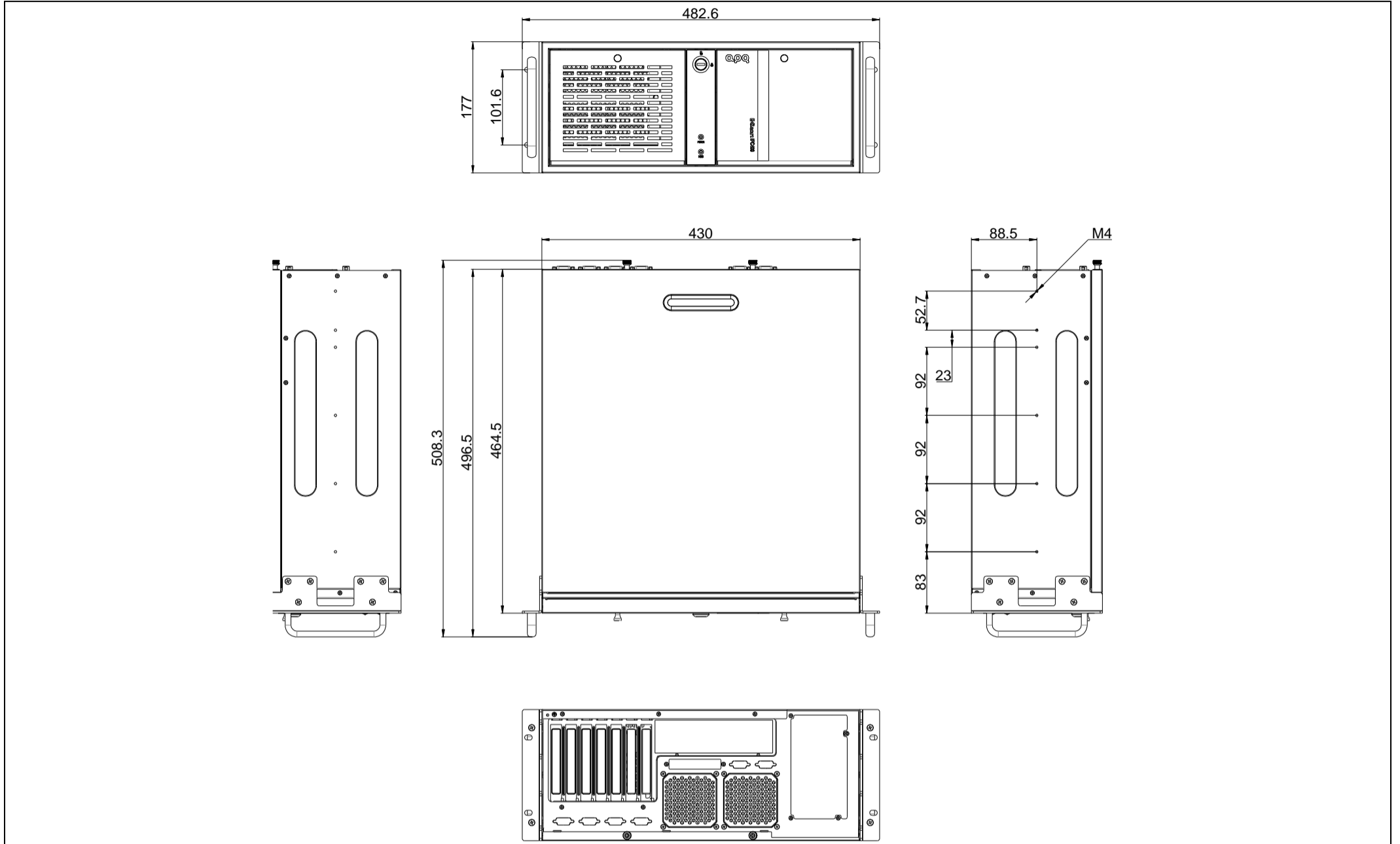
Security Control

## Product Specifications

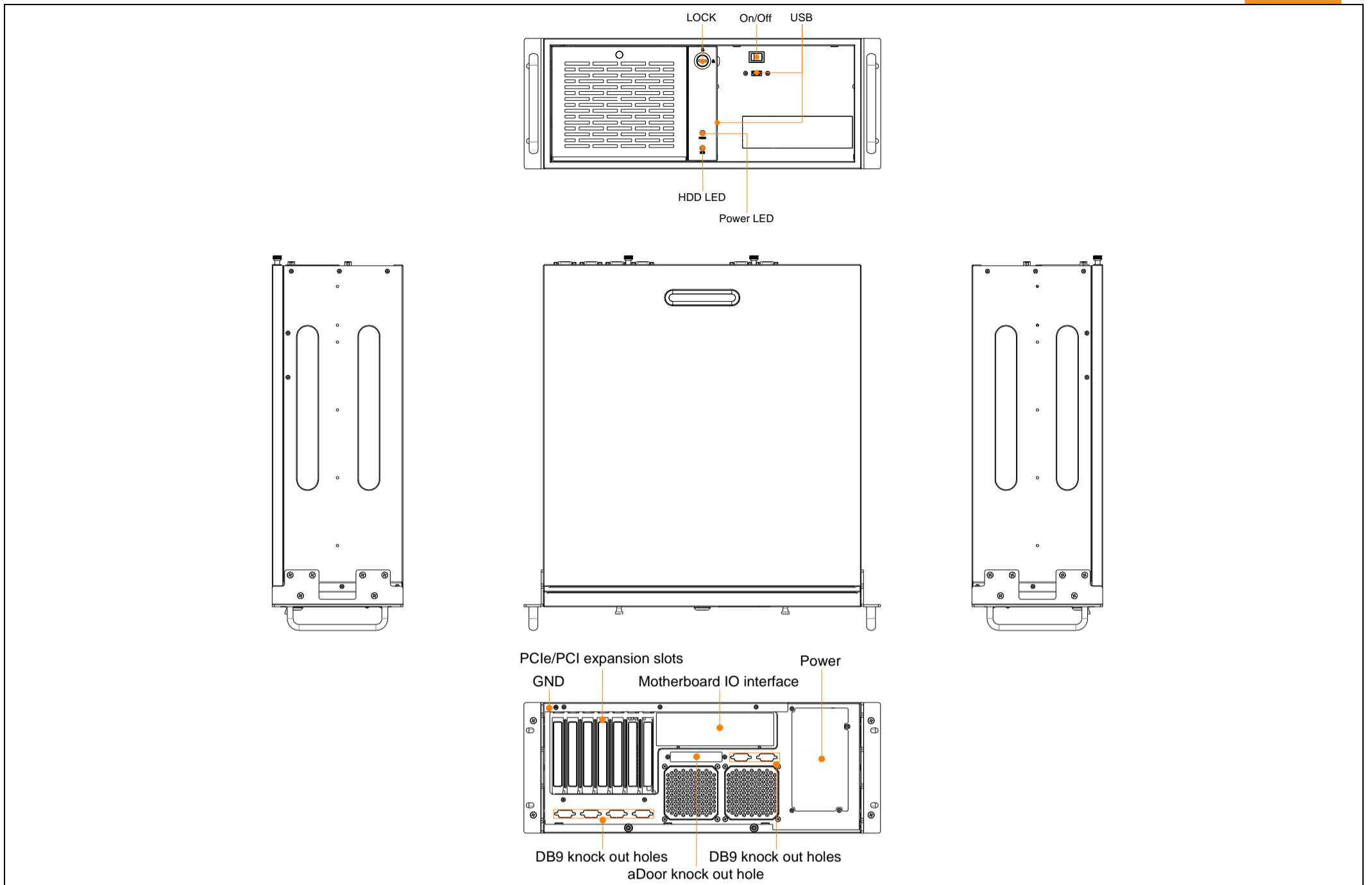
Model	IPC400-Q470	
Processor System	CPU	Support Intel® 10/11th Generation Core / Pentium/ Celeron Desktop CPU
	TDP	125W
	Socket	LGA1200
	Chipset	Q470
	BIOS	AMI 256 Mbit SPI
Memory	Socket	4 * Non-ECC U-DIMM Slot, Dual Channel DDR4 up to 2933MHz
	Capacity	128GB, Single Max. 32GB
Graphics	Controller	Intel® UHD Graphics
Ethernet	Controller	1 * Intel i210-AT GbE LAN Chip (10/100/1000 Mbps, RJ45) 1 * Intel i219-LM/V GbE LAN Chip (10/100/1000 Mbps, RJ45)
	SATA	4 * SATA3.0 7P Connector, Support RAID 0, 1, 5, 10
Storage	M.2	1 * M.2 Key-M (PCIe x4 Gen 3 + SATA3.0, NVMe/SATA SSD Auto Detect, 2242/2260/2280)
	PCIe	2 * PCIe x16 slot (Gen 3, x16 /NA signal or Gen 3, x8 /x8 signal) 3 * PCIe x4 slot (Gen 3, x4 signal)
Expansion Slots	PCI	2 * PCI slot
	Mini PCIe	1 * Mini PCIe (PCIe x1 Gen 3 + USB 2.0, with 1 * SIM Card)
	Ethernet	2 * RJ45
Front I/O	USB	2 * USB3.2 Gen 2x1 (Type-A) 4 * USB3.2 Gen 1x1 (Type-A) 2 * USB2.0 (Type-A)
	Display	1 * DP1.4: max resolution up to 3840*2160 @ 60Hz 1 * HDMI1.4: 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)
	USB	2 * USB2.0 (Type-A)
Rear I/O	Button	1 * Power Button
	LED	1 * Power status LED 1 * Hard drive status LED
	USB	1 * USB2.0 (Vertical TYPE-A) 2 * USB2.0 (Header)
Internal I/O	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)
	Type	ATX
Power Supply	Power Input Voltage	AC power supply, voltage and frequency shall be based on the ATX power supply provided
	RTC Battery	CR2032 Coin Cell
	Windows	Windows 10/11
OS Support	Linux	Linux
	Output	System Reset
Watchdog	Interval	Programmable 1 ~ 255 sec
	Enclosure Material	SGCC
Mechanical	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

