



Features:

- Supports Intel® 12th / 13th / 14th Gen Core™ / Pentium® / Celeron® desktop processors
- Full mold tooling design, standard 19-inch 4U rackmount chassis
- Supports standard ATX motherboards and standard 4U power supplies
- Supports up to 7 full-height expansion slots to meet multi-industry application requirements
- Human-friendly design with front-mounted system fans for tool-free maintenance
- Carefully designed tool-less PCIe expansion card retention bracket with enhanced vibration resistance
- Supports up to 8 optional 3.5-inch anti-vibration and anti-shock drive bays
- Optional support for 2 × 5.25-inch optical drive bays
- Front panel design with USB ports and power controls, plus power and storage status indicators for easier system maintenance
- Supports unauthorized chassis opening alarm; lockable front door to prevent unauthorized access



Remote Management



Status Monitoring



Remote Operations
and Maintenance



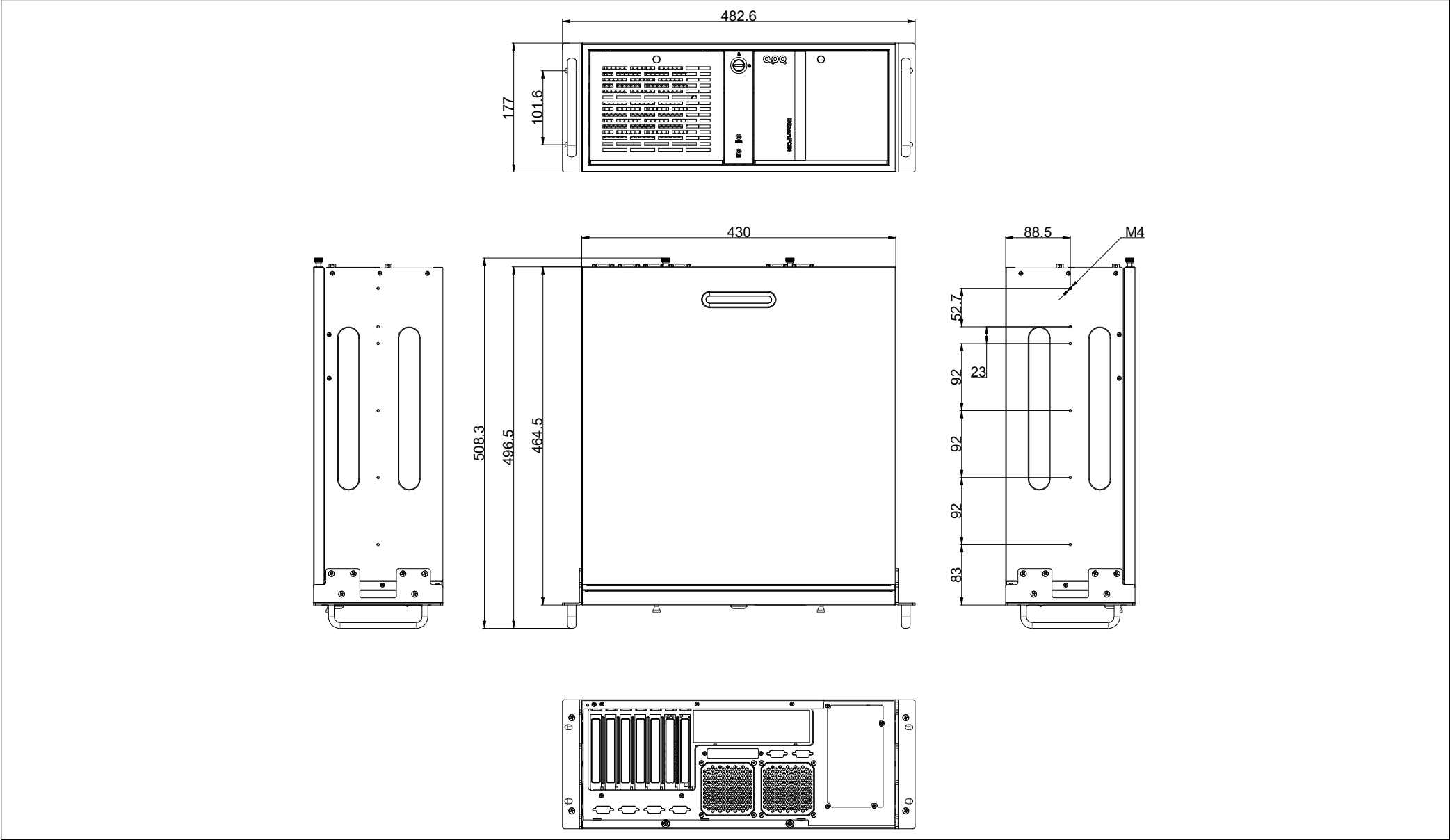
Security Control

Product Specifications

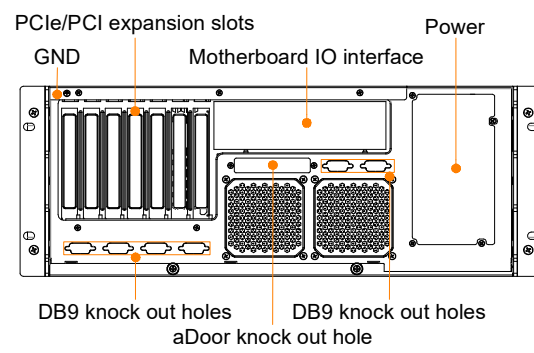
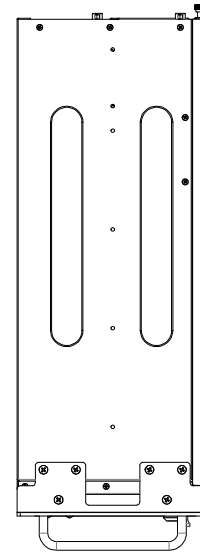
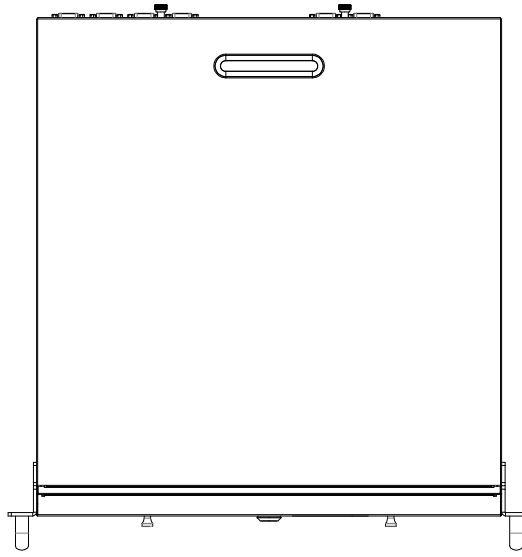
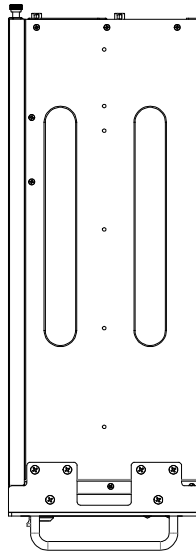
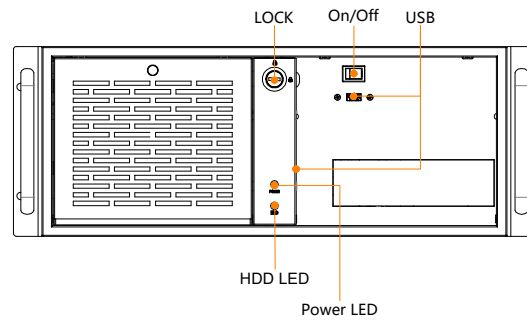
Model	IPC400-Q670SA2	
Processor System	CPU	Supports Intel® 12th / 13th / 14th Gen Core™ / Pentium® / Celeron® desktop processors
	TDP	125W
	Socket	LGA1700
	Chipset	Q670
	BIOS	AMI UEFI BIOS
Memory	Socket	4 × U-DIMM slots, dual-channel DDR5-4400 MT/s support
	Capacity	Maximum 192 GB, up to 48 GB per DIMM
Ethernet	Chipset	<div><div>• 1 × Intel® i210-AT Gigabit Ethernet controller</div><div>• 1 × Intel® i219-V Gigabit Ethernet controller</div></div>
Storage	SATA	4 × SATA 3.0 ports
	M.2	1 × M.2 Key-M slot (PCIe Gen 4 x4 + SATA 3.0 signals, NVMe/SATA SSD auto-detection, 2280)
Expansion Slots	PCIe	<div><div>• 2 × PCIe x16 slots (PCIe Gen 4 x8 signal, slots 1 and 4)</div><div>• 3 × PCIe x4 slots (PCIe Gen 4 x4 signal, slots 2, 3, and 5)</div></div>
	PCI	2 × PCI slots (slots 6 and 7)
	M.2	1 × M.2 Key-E slot (PCIe Gen 3 x1 + USB 2.0 signals, 2230)
Rear I/O	Ethernet	2 × RJ45 ports
	USB	6 × USB 5Gbps Type-A ports
	PS/2	1 × PS/2 combo port (keyboard and mouse)
	Display	<div><div>• 1 × DVI-D port: up to 1920 × 1200 @ 60 Hz</div><div>• 1 × HDMI port: up to 4096 × 2160 @ 30 Hz</div><div>• 1 × VGA port: up to 1920 × 1200 @ 60 Hz</div></div>
	Audio	3 × 3.5 mm audio jacks (Line-out / Line-in / MIC)
	Serial	1 × RS232 DB9 male connector (COM1)
Front I/O	USB	2 × USB 2.0 Type-A ports
	Button	1 × Power button
	LED	<div><div>• 1 × Power status LED</div><div>• 1 × HDD status LED</div></div>
Internal I/O	USB	<div><div>• 1 × Vertical USB 2.0 Type-A port</div><div>• 2 × USB 5Gbps pin headers</div><div>• 2 × USB 2.0 pin headers</div></div>
	Serial	<div><div>• 3 × RS232 pin headers (COM2 / COM5 / COM6)</div><div>• 1 × RS232 / RS485 / RS422 pin header (COM3, selectable via jumper)</div><div>• 1 × RS232 / RS485 pin header (COM4, selectable via jumper)</div></div>
	Audio	1 × Front audio pin header (Line-out + MIC)
	GPIO	• 1 × 8-channel digital I/O pin header (default 4 DI + 4 DO; logic-level only, no load-driving capability)
	SATA	4 × SATA 3.0 ports
	Fan	<div><div>• 2 × System fan headers</div><div>• 1 × CPU fan header</div></div>
Power Supply	Type	ATX
	Power Input Voltage	Input voltage range depends on selected power supply
	RTC Battery	CR2032 coin-cell battery
OS Support	Windows	Win 10/11
	Linux	Linux
Trusted Platform	TPM	Default fTPM, optional dTPM 2.0
Watchdog	Output	System reset

	Interval	1 ~ 255 seconds
Mechanical	Enclosure Material	Galvanized steel chassis
	Dimensions	482.6 mm (W) × 464.5 mm (D) × 177 mm (H)
	Mounting	Rackmount type
Environment	Heat Dissipation System	Intelligent fan cooling
	Operating Temperature	0 ~ 50°C
	Storage Temperature	-20 ~ 70°C
	Relative Humidity	10 ~ 90% RH, non-condensing

Product Dimension



Product I/O



Motherboard Interface

