

IPC-4UQ67 - 4U Rackmount Industrial Computer

Intel® 12th/13th/14th Gen Core™ i9/i7/i5/i3 (LGA1700), Q670E Chipset, Quad Display, Dual GbE, 13x USB, 6x COM



- Supports Intel® 12th/13th/14th Gen Core™ i9/i7/i5/i3 processors (LGA1700 socket, up to 65W/125W TDP)
- Intel® Q670E industrial chipset with extended product lifecycle support
- 4x DDR4-3200MHz Long-DIMM sockets, supporting up to 128GB system memory
- Quad independent displays: HDMI, DVI-I, VGA, and eDP (up to 4096x2304 @ 60Hz 4K resolution)
- Dual Intel® Gigabit Ethernet controllers (Intel I219LM + Intel I211/I210AT)
- Rich industrial expansion: 13x USB (8x USB 3.0, 5x USB 2.0), 6x RS-232 serial ports (2x RS-485 / 1x RS-422)
- Front-accessible 2x 3.5" HDD bays (compatible with 2.5" SSDs), 1x M.2 2230 Key-E for WiFi/BT
- Heavy-duty 4U rackmount fan-cooled chassis, standard 300W–550W industrial ATX power supply

System Specifications

Category	Parameter	Technical Specification
System	Processor	Intel® 12th/13th/14th Gen Core™ i9/i7/i5/i3, Pentium®, Celeron® (LGA1700)
System	Chipset	Intel® Q670E Chipset
System	Memory	4x 288-pin DDR4 3200MHz DIMM, up to 128 GB (Non-ECC / ECC unbuffered)
System	BIOS	AMI UEFI 256Mbit SPI Flash BIOS
Display	Graphics	Integrated Intel® UHD Graphics 770/730 (DirectX 12.1, OpenGL 4.5, OpenCL 3.0)
Display	Interface	1x HDMI (4K @60Hz), 1x DVI-I, 1x VGA, 1x eDP; Supports 4 independent displays
Ethernet	LAN Ports	2x Intel® Gigabit LAN (LAN1: Intel® I219LM with vPro, LAN2: Intel® I211-AT)
I/O Interface	USB	8x USB 3.0 (6x rear, 2x internal header), 5x USB 2.0 (2x front, 2x rear, 1x internal)
I/O Interface	Serial / COM	6x COM ports (COM1-COM4: RS-232, COM5-COM6: RS-232/422/485 configurable)
I/O Interface	Audio & GPIO	Realtek ALC897 5.1 HD Audio (Line-in, Line-out, Mic-in); 8-bit programmable GPIO
Storage	Drive Bays	2x 3.5" Front HDD drive bays (supports 1x/2x 2.5" SSD/HDD), 4x SATA III (6Gbps) RAID 0/1/5/10
Expansion	Slots	Multiple PCIe x16, PCIe x4, PCI legacy slots; 1x M.2 2230 Key-E for Wireless
Power	Input	Standard 100–240V AC 50/60Hz, 350W / 500W Industrial ATX Power Supply
Environment	Operating Temp	0°C to 60°C (32°F to 140°F) with fan cooling airflow
Environment	Storage / Humid	-20°C to 70°C; 5% to 95% relative humidity (non-condensing)
Mechanical	Dimensions & Wt	4U Rackmount: 482mm (W) x 177mm (H) x 450mm (D), Approx. 13.5 kg

Ordering Information

Part Number / Model	Description & Configuration Details
IPC-4UQ67-Barebone	4U 19" Rackmount Chassis, Q670E Motherboard, Dual GbE, 6x COM, 13x USB, 350W ATX Power
IPC-4UQ67-i7-16G-512G	IPC-4UQ67 with Intel Core i7-13700, 16GB DDR4 RAM, 512GB Industrial SSD, 500W Power
IPC-4UQ67-i9-32G-1T	IPC-4UQ67 with Intel Core i9-14900, 32GB DDR4 RAM, 1TB NVMe + 2TB HDD, 550W Power