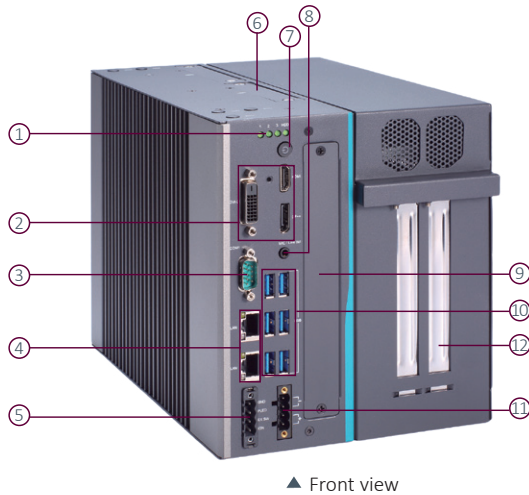


IPC962A NEW

2-slot Industrial System with LGA1700 Socket 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 or Celeron® Processor, Intel® H610E/Q670E, Front-access I/O, and 2 PCIe & PCI Slots



1. 1 x HDD/SSD access LED & 3 x user's LED
2. DVI-D, DisplayPort++, HDMI
3. RS-232/422/485
4. 2 x LAN
5. 4-pin terminal block for ignition control, remote power and remote LED
6. 2 x HDD/SSD bay
7. Switch for power on/off with LED
8. Mic-in & Line-out
9. Extension system I/O window
10. 6 x USB
11. 4-pin terminal block for DC input
12. 2 PCIe slots



Features

- Intelligent power management: Ignition and USB power on/off control
- Optional extension system I/O module
- Supports Intel® RAID
- EN 61000-6-2 certified

Specifications

Standard Color	Silver & black	
Construction	Aluminum extrusion heavy-duty cold-rolled steel	
Processor	CPU Level	14th/13th/12th Gen Intel® Core™ processor, up to 65W*
System	Chipset	Intel® H610E/Q670E
System Memory	262-pin DDR5 4800 non-ECC SO-DIMM, up to 96GB**	
System I/O	Ethernet	1 x 2.5GbE LAN (Intel® I226-V) 1 x GbE LAN (Intel® I219-LM) with Intel® AMT (Q670)
	Serial	1 x RS-232/422/485 (default RS-232, COM 1)
	USB	Intel® H610E: 2 x USB 3.2 Gen2 (10G) Type-A 2 x USB 3.2 Gen1 (5G) Type-A 2 x USB 2.0
		Intel® Q670E: 6 x USB 3.2 Gen2 (10G) Type-A 1 x USB 2.0 (internal, up to 30 mm) 180D Type-A

Specifications

System I/O	Display	1 x DisplayPort++ with support for 4096 x 2160 resolution 1 x HDMI with support for 4096 x 2160 resolution 1 x DVI-D with support for 1920 x 1200 resolution
	Audio	1 x 3.5 mm jack for Mic-in and Line-out
TPM	TPM 2.0	
Expansion Interface	UP to 230W power for add-in card, 1 x USB 2.0 (180D Type-A) 1 x PCIe x16 Gen4 + 1 x PCIe x8 (x4 signal) Gen4 1 x full-size PCI Express Mini Card slot (USB & PCIe interface) with SIM slot	
Storage	Intel® H610E:	2 x 2.5" HDD/SSD bay (7/9.5/15 mm height)
	Intel® Q670E:	2 x 2.5" HDD/SSD bay (7/9.5/15 mm height) 1 x M.2 Key M 2280 socket (PCIe x4 Gen4)
System Indicators	1 x HDD/SSD access LED 3 x user's LED	
Power Input	Input: 18 to 36 VDC 1 x switch for power on/off with LED (default ATX) 1 x 4-pin terminal block for DC input 1 x 4-pin terminal block for ignition control, remote power, and remote LED	
Operating Temperature	-20°C to +60°C with 14th/13th/12th Gen Intel® Core™ processor and industrial wide-temp SSD, 0.7 m/s airflow***	
Storage Temperature	-20°C to +80°C	
Relative Humidity	10% to 90% relative humidity, non-condensing	
Vibration	IEC 60068-2-64 (with SSD: 1Grms, random, 5 to 500 Hz) MIL-STD-810H, Method 514.8, and Category 20	
Shock	IEC 60068-2-27 (with SSD: 50G, half-sine, 11 ms duration) MIL-STD-810H, Method 516.8, and Procedure I	
Dimensions (W x D x H)	170 x 192 x 260 mm (6.69" x 7.56" x 10.24")	
Weight (net/gross)	5.1 kg (11.24 lb)/6.2 kg (13.69 lb)	
Certifications	CE (EN 61000-6-4/EN 61000-6-2), FCC	
OS Support	Win 10, Win 11, Win 10 IoT, Win 11 IoT, and Linux OS	

*Please refer to the user manual for the supported CPU list.

**Intel® Core™ 14th Gen processors support a maximum single SO-DIMM capacity of 48GB.

***CPU power settings can be adjusted in the BIOS to optimize performance and operating temperature.

Ordering Information

System

IPC962A-Q-E1F5 (P/N: E26G962A00)	Industrial system with Intel® Q670E, 2 PCIe slots, and blank extension system I/O cover; without Axiomtek logo
IPC962A-H-E1F5 (P/N: E26G962A02)	Industrial system with Intel® H610E, 2 PCIe slots, and blank extension system I/O cover; without Axiomtek logo

Optional Module

EIO122	1 x PCIe x16 Gen4 + 1 x PCI
AX93511 (P/N: E29R127101)	4 x RS-232/422/485 module (default RS-232)
AX93512	2 x RS-232/422/485 with 1.5kVDC isolation & 8-in/8-out DIO module with 1.5kVDC isolation (project-based support)
AX93516	4 x RS-232/422/485 with 2kVDC isolated module (project-based support)
AX93519	1 x 1GbE LAN + 2 x RS-232/422/485 + 2 x USB module (project-based support)
MIO160	6 x serial port (4-wire RS-232: TX/RX/RTS/CTS), RS-422/485 with 1.5kVDC isolation and 2 CAN bus ports with 1.5kVDC isolated module (supporting the CAN 2.0A and CAN 2.0B protocol, project-based support)
MIO530	1 x M.2 Key E 2230 socket + 1 x M.2 Key B 3042/3050/3052/3060 socket with SIM slot for 5G module or selected LTE module (Q670E) (project-based support)

Ordering Information

Optional Accessory

2.5" SATA HDD/SSD	
DDR5 non-ECC SO-DIMM	
E29R127110	Wall mount bracket kit
E29R127130	Internal fan module kit
	External fan module kit (project-based support)
59482680710E	AX98268 power cable, 8P (4.2) / 6+2P (4.2), L=20 cm
50906A24000E	AC to DC adapter 24V 230W Wire type
	500W, 24V AC/DC power PSU with US power cord (project-based support)
	750W, 24V AC/DC power PSU with US power cord (project-based support)

Power Protection

DC Version
OVP (over voltage protection)
OCP (over current protection)
Reverse protection

Packing List

- 1 x IPC962A unit
- 1 x screw pack
- 4 x foot pad
- 1 x CPU grease
- 1 x 4-pin terminal block for DC power input
- 1 x 4-pin terminal block for ignition
- 1 x extension holder bracket kit

Dimensions

Wall mount (optional)

