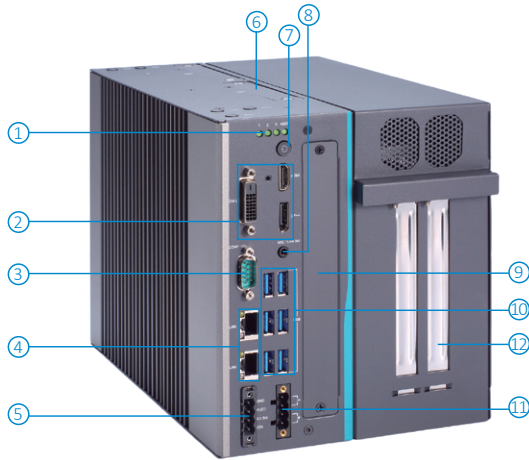


IPC962A NEW

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



▲ Front view

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. 1 x HDD/SSD access LED & 3 x user's LED 2. DVI-D, DP++, 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 tray 7. Switch for power on/off w/LED 8. Mic-in & Line-out | <ol style="list-style-type: none"> 9. Extension system I/O module <ol style="list-style-type: none"> (1) AX93511 (2) AX93512 (3) AX93516 (4) AX93519 (5) MIO160 10. 6 x USB 11. 4-pin terminal block for DC input 12. Expansion interface <ol style="list-style-type: none"> (1) EIO121 (2) EIO122 |
|---|---|

Features

- 2 PCIe/PCI slots
- Optional extension system I/O module
- Optional 5G network (Q670E)
- Intelligent power management: Ignition, USB power on/off control
- Supports Intel VMD
- EN61000-6-2 certified



▲ Rear view

Specifications

Standard Color	Silver & black		
Construction	Aluminum extrusion heavy-duty cold-rolled steel		
Processor	CPU Level	12th gen Intel® Core™ processor, up to 65W*	
System	Chipset	Intel® H610E/Q670E	
System Memory	2 x DDR5 4800/4000 SO-DIMM, up to 64GB		
System I/O	Ethernet	1 x 2.5GbE LAN (Intel® I226-V) 1 x 1GbE LAN with Intel® AMT (Intel® i219-LM)	
	Serial	1 x RS-232/422/485 (default RS-232, COM1)	
	USB	Intel® H610E: 2 x USB 3.2 Gen2x1 (10G) type A 2 x USB 3.2 Gen1x1 (5G) type A 2 x USB 2.0 type A	
		Intel® Q670E: 6 x USB 3.2 Gen2x1 (10G) type A 1 x USB 2.0 (Internal, up to 30mm) 180D type A	
		Display	1 x DisplayPort++ with 4096 x 2160 resolution supported 1 x HDMI with 4096 x 2160 resolution supported 1 x DVI-D with 1920 x 1200 resolution supported
	Audio	1 x 3.5mm jack for Mic-in and Line-out	
Extension System I/O Module	AX93511	4 x RS-232/422/485 module (default RS-232)	
	AX93512	2 x RS-232/422/485 with isolated 1.5kVDC & 8-in/8-out with isolated 1.5kVDC DIO module	
	AX93516	4 x RS-232/422/485 with isolated 2kVDC module	
	AX93519	1 x 1GbE LAN + 2 x RS-232/422/485 + 2 x USB 2.0 module (H610E) 1 x 1GbE LAN + 2 x RS-232/422/485 + 2 x USB 3.2 Gen1x1 (5G) module (Q670E)	
	MIO160	6 x Serial port (4-wire RS-232: TX/RX/RTS/CTS)/422/485 isolated 1.5kVDC & 2 CAN bus with isolated 1.5kVDC module (supports the CAN 2.0A and CAN2.0B protocol specification)	
TPM	TPM 2.0		

Specifications

Expansion Interface	UP to 230W power for add-in card, 1 x USB 2.0 (180D type A) EIO121: 1 PCIe x16 Gen4 +1 PCIe x8 (x4 signal) Gen4 EIO122: 1 PCIe x16 Gen4 + 1 PCI H610E: 1 x Full-size PCI Express Mini Card slot (USB & PCIe interface) w/SIM slot Q670E: 1 x Full-size PCI Express Mini Card slot (USB & PCIe interface) w/SIM slot MIO530: 1 x M.2 Key E 2230 socket + 1 x M.2 Key B 3042/3050/3052/3060 socket w/SIM slot for 5G module or selected LTE module (optional)
Storage	Intel® H610E: 2 x 2.5" HDD/SSD with Intel® VMD supported (7/9.5/15 mm height) Intel® Q670E: 2 x 2.5" HDD/SSD with Intel® VMD supported (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 TB (5.08 mm) for DC input 1 x 4-pin TB (5.08 mm) for ignition control, remote power and remote LED
Operating Temperature	-20°C to +60°C with 12th gen Intel® Core™ processor and industrial wide-temp SSD, 0.7m/s air flow
Storage Temperature	-20°C to +80°C
Humidity	10% to 90%, non-condensing
Dimensions	170 mm (6.69") x 192 mm (3.62") x 260 mm (10.24")
Weight (net/gross)	5.1 kg/6.2 kg
Certifications	CE (EN 61000-6-4/EN 61000-6-2), FCC

* Please refer to the user's manual for the system CPU support list and the system operating temperature list.

Ordering Information

System

IPC962A-Q-E1F5 (P/N: E26G962A00)	Industrial system with Intel® Q670E, EIO121, and blank extension system I/O cover; w/o Axiomtek logo
IPC962A-Q-E2F5 (P/N: E26G962A01)	Industrial system with Intel® Q670E, EIO122, and blank extension system I/O cover; w/o Axiomtek logo
IPC962A-H-E1F6	Industrial system with Intel® H610E, EIO121, and blank extension system I/O cover; w/o Axiomtek logo
IPC962A-H-E2F6	Industrial system with Intel® H610E, EIO122, and blank extension system I/O cover; w/o Axiomtek logo

Optional Module

AX93511 (P/N: 8816G974EA0E)	4 x RS-232/422/485 module (default RS-232)
AX93512 (P/N: 8816G974FA0E)	2 x RS-232/422/485 with isolated 1.5kVDC & 8-in/8-out with isolated 1.5kVDC DIO module
AX93516 (P/N: 8816G974GA0E)	4 x RS-232/422/485 with isolated 2kVDC module
AX93519 (P/N: 8816G974HA0E)	1 x 1GbE LAN + 2 x RS-232/422/485 + 2 x USB module
MIO160 (P/N: TBC)	6 x Serial port (4-wire RS-232: TX/RX/RTS/CTS)/422/485 isolated 1.5kVDC & 2 CAN bus with isolated 1.5kVDC module (supports the CAN 2.0A and CAN2.0B protocol specification)
MIO530 (P/N: E39Q530100)	M.2 Key E 2230 socket + 1 x M.2 Key B 3042/3050/3052/3060 socket w/SIM slot module

Ordering Information

Optional Accessory

2.5" SATA HDD/SSD

DDR5 4800/4000 MT/s un-buffered SO-DIMM, up to 64GB

886G9501EA0E Wall mount bracket kit

8816G962BA0E Internal fan module kit

8816G962CA0E External fan module kit

5946G962000E Graphics card power cable ATX4P/BTX6 + 2P, L=200mm

50906A24000E 230 wire adapter 50956A24060E 330W wire adapter

8816G974IA0E 500W/24V AC/DC power w/ US Core Kit

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

Option-wall mount

