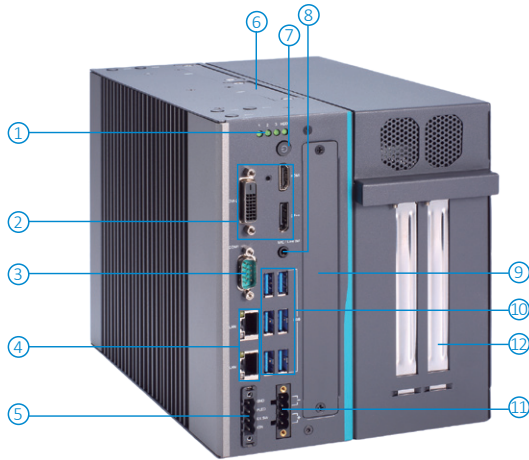


IPC962A NEW

2-slot Industrial System with LGA1700 Socket 13th/12th Gen Intel® Core™ i7/i5/i3 or Celeron® Processor, Intel® H610E/Q670E, Front-access I/O, and 2 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 bay 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 (6) Blank I/O cover 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 |
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Features

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



DDR5



AXView



Triple-View



▲ Rear view

Specifications

| | | |
|----------------|---|--|
| Standard Color | Silver & black | |
| Construction | Aluminum extrusion heavy-duty cold-rolled steel | |
| Processor | CPU Level | 13th/12th gen Intel® Core™ processor, up to 65W* |
| System | Chipset | Intel® H610E/Q670E |
| System Memory | 2 x DDR5 4800/4000 SO-DIMM, 262-pin, up to 64GB | |
| System I/O | Ethernet | 1 x 2.5GbE LAN (Intel® I226-V) 1 x 1GbE LAN (Intel® 1219-LM); with Intel AMT (Q670) |
| | 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 |
| TPM | TPM 2.0 | |

Specifications

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|-----------------------|--|
| 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 1 x Full-size PCI Express Mini Card slot (USB & PCIe interface) w/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 TB for DC input 1 x 4-pin TB for ignition control, remote power and remote LED |
| Operating Temperature | -20°C to +60°C with 13th/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 |
| Vibration | IEC 60068-2-64 (with SSD: 1Grms STD, random, 5 to 500 Hz, 1 hr/axis) |
| Shock | IEC 60068-2-27 (with SSD: 50G, half sine, 11 ms duration) |
| 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) |

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

Ordering Information

System

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|-------------------------------------|--|
| 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

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|--------------------------------|---|
| 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) |
| MIO530 (P/N: E39Q530100) | 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 (Q670E) |

Ordering Information

Optional Accessory

2.5" SATA HDD/SSD

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

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|--------------|--|
| 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 |
| 8816G974IA0E | 500W, 24V AC/DC power PSU w/ US power cord |

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

