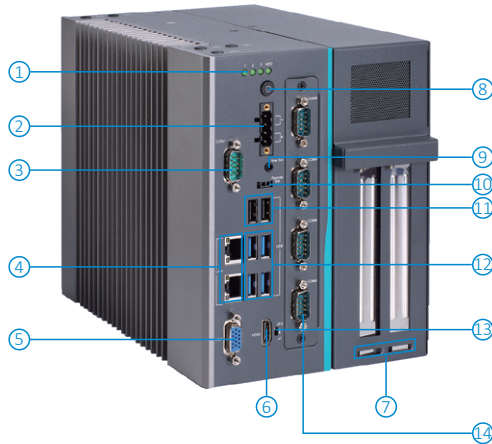


# IPC962-525

2-slot Industrial System with LGA1151 Socket 9th/8th Gen Intel® Core™ i7/i5/i3 or Celeron® Processor, Intel® H310/Intel® Q370, Front-access I/O, and PCIe & PCI Slots



- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1. 1 x HDD/SSD access LED and 3 x user's LED</li> <li>2. 4-pin terminal block</li> <li>3. RS-232/422/485 (default RS-232)</li> <li>4. 2 x LAN</li> <li>5. VGA</li> <li>6. HDMI</li> <li>7. Expansion interface (1) AX96205 (2) AX96206 (3) AX96207</li> <li>8. Power on/off button with LED</li> <li>9. Line-out</li> <li>10. Remote switch</li> </ul> | <ul style="list-style-type: none"> <li>11. 2 x USB 2.0</li> <li>12. Intel®H310: 4 x USB 3.1 Gen1 Intel®Q370: 4 x USB 3.1 Gen2</li> <li>13. 1 x AT/ATX switch</li> <li>14. Extension system I/O module (1) AX93511 (2) AX93512 (3) AX93516 (4) AX93519 (5) Blank I/O cover</li> </ul> |
|---|--|

## Features

- LGA1151 socket 9th/8th gen Intel® Core™ processor, up to 65W
- NVIDIA® GPU card, up to 125W
- M.2 Key B slot for 5G wireless connection (optional)
- Supports RAID 0,1 (Intel® Q370)
- Supports Power-on delay function
- Supports TPM 2.0
- Supports AMT 12 (Intel® Q370)



▲ Rear view

## Specifications

|                  |   |   |   |
|------------------|---|---|---|
| Standard Color   | Silver & black  |   |   |
| Construction     | Aluminum extrusion heavy-duty cold-rolled steel         |   |   |
| Processor System | CPU Level   | 9th/8th gen Intel® Core™ processor, up to 65W*                  |   |
|                  | Chipset   | Intel® H310/Intel® Q370   |   |
| System Memory    | 2 x DDR4-2666/2400 MT/s un-buffered SO-DIMM, up to 64GB |   |   |
| System I/O       | Ethernet  | 1 x 10/100/1000 Mbps Ethernet (Intel® I210-AT)                  |   |
|                  |   | 1 x 10/100/1000 Mbps Ethernet (Intel® I219-LM)                  |   |
|                  | Serial  | 1 x RS-232/422/485 (default RS-232, COM1)                       |   |
|                  | USB   | Intel®H310:   | 4 x USB 3.1 Gen1  |
|                  |   |   | 2 x USB 2.0   |
|                  |   |   | 1 x USB 2.0 (internal, 180D type A for license key, up to 30mm) |
|                  |   | Intel®Q370:   | 4 x USB 3.1 Gen2  |
|                  |   |   | 2 x USB 2.0   |
|                  |   | 1 x USB 2.0 (internal, 180D type A for license key, up to 30mm) |   |
|                  | Display   |   | 1 x VGA   |
|                  |   | 1 x HDMI  |   |
| Audio            | 1 x Line-out  |   |   |
| Others           | 1 x Power on/off button with LED (ATX)                  |   |   |
|                  | 1 x Remote switch                                       |   |   |
|                  | 1 x 4-pin terminal block                                |   |   |
|                  | 1 x AT/ATX selectable switch                            |   |   |

## Specifications

|                       |  |   |
|-----------------------|--|---|
| TPM                   | TPM 2.0  |   |
| Expansion Interface   | AX96205  | 1 x PCIe x16 Gen3 + 1 x PCIe x4 Gen3  |
|                       | AX96206  | 1 x PCIe x16 Gen3 + 1 x PCI   |
|                       | AX96207  | 2 x PCI   |
|                       | SIM  | 1 x SIM slot  |
|                       | PCIe   | Intel® H310:<br>1 x Full-size PCI Express Mini Card slot (USB interface)<br>Intel® Q370:<br>1 x Full-size PCI Express Mini Card slot (USB & PCIe interface) or 1 x M.2 Key B 3050 socket (project-base support) |
| Storage               | Intel® H310:   | 2 x 2.5" swappable HDD/SSD (7/9.5 mm height)  |
|                       | Intel® Q370:   | 2 x 2.5" swappable HDD/SSD (7/9.5 mm height) with support for RAID 0,1<br>1 x M.2 Key M 2280 socket (PCIe Gen3 x4) for NVMe SSD   |
| System Indicators     | 1 x HDD/SSD access LED<br>3 x User's LED   |   |
| Power Input           | Type: ATX/AT<br>Input: 24 VDC (uMin=19V/uMax=30V)                                |   |
| Operating Temperature | -10°C to +60°C (+14°F to +140°F) with 9th/8th gen Intel® Core™ and W.T. HDD/SSD* |   |
| Storage Temperature   | -20°C to +80°C (-4°F to +176°F)  |   |
| Humidity              | 10% to 90%, non-condensing   |   |
| Dimensions            | 147.5 mm (5.80") (W) x 192 mm (7.54") (H) x 230 mm (9.04") (D)                   |   |
| Weight (net/gross)    | 4.382 kg (9.66 lb)/5.346 kg (11.80 lb)   |   |
| Certifications        | CE (EN 61000-6-4/EN 61000-6-2), FCC  |   |
| OS support            | Windows 10, Windows 11, Windows 10 IoT, Windows 11 IoT, Linux OS                 |   |

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

## Ordering Information

### System

|   |  |
|---|--|
| IPC962-525-N-DC-H310<br>(P/N: E26G962119) | 2-slot industrial system with 9th/8th gen Intel® Core™ processor and Intel® H310, and PCI Express Mini Card slot; without Axiomek logo |
| IPC962-525-N-DC-Q370<br>(P/N: E26G962114) | 2-slot industrial system with 9th/8th gen Intel® Core™ processor, Intel® Q370, and PCI Express Mini Card slot; without Axiomtek logo   |

### I/O Module & Riser Card

|                                |  |
|--------------------------------|--|
| AX93511<br>(P/N: E29R127101)   | 4 x RS-232/422/485 module (default RS-232)   |
| AX93512<br>(P/N: E29R127102)   | 2 x RS-232/422/485 with isolated 1.5kVDC & 8-in/8-out with isolated 1.5kVDC DIO module (support by project)  |
| AX93516<br>(P/N: E29R127103)   | 4 x RS-232/422/485 with isolated 2kVDC module (support by project)   |
| AX93519<br>(P/N: E29R127104)   | 1 x 10/100/1000 Mbps (Intel® I210-AT) Ethernet<br>2 x RS-232/422/485 & 2 x USB 3.1 (1 USB 3.1 Gen2 & 1 USB 2.0 signal or 2 USB 2.0 signal) module (Q370) |
| 726G9740690E                   | Blank I/O cover  |
| AX96205<br>(P/N: 83962051000E) | 1 x PCIe x16 + 1 PCIe x4 expansion card  |
| AX96206<br>(P/N:83962061000E)  | 1 x PCIe x16 + 1 PCI expansion card  |
| AX96207<br>(P/N: 83962071000E) | 2 x PCI expansion card (support by project)  |

## Ordering Information

### Optional

2.5" SATA HDD/SSD

M.2 Key M 2280 (PCIe x4) NVMe SSD

DDR4-2666 MT/s non-ECC SO-DIMM, up to 64GB

E29R127130 IPC962 fan module kit (internal)

E29R127131 IPC962 fan module kit (external)

E29R127134 Wall mount bracket kit

509000001500 Adaptor 24V/120W, wire only

50906A24000E Adaptor 24V/230W, wire only

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

## Power Protection

### DC Version

OVP (over voltage protection)

OCP (over current protection)

Reverse protection

## Packing List

1 x IPC962-525 unit

1 x Screw pack

4 x Foot pad

1 x CPU grease

1 x Terminal block

1 x Remote power switch cable

1 x Holder bracket kit

1 x HDD spacer

## Dimensions

