

# IPC962-525

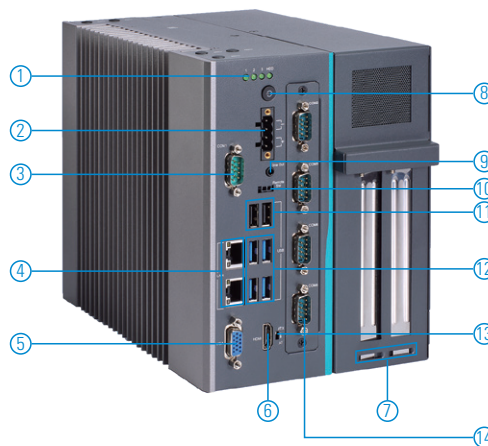
2-slot Industrial System with LGA1151 Socket 9th/8th Gen Intel® Core™ i7/i5/i3 or Celeron® Processor, Intel® H310/Intel® Q370, Front-access I/O, and PCIe & PCI Slots

## Features

- LGA1151 socket 9th/8th gen Intel® Core™ processor, up to 65W
- NVIDIA® GPU card, up to 125W
- Supports NVIDIA® A2 GPU
- 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



- 1 x HDD/SSD access LED and 3 x user's LED
- 4-pin terminal block
- RS-232/422/485 (default RS-232)
- 2 x LAN
- VGA
- HDMI
- Expansion interface  
(1) AX96205  
(2) AX96206  
(3) AX96207
- Switch for power on/off w/LED
- Line-out
- Remote switch
- 2 x USB 2.0
- Intel®H310: 4 x USB 3.1 Gen1  
Intel®Q370: 4 x USB 3.1 Gen2
- 1 x AT/ATX switch
- Extension system I/O module  
(1) AX93511  
(2) AX93512  
(3) AX93516  
(4) AX93519  
(5) Blank I/O cover

## 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 Switch for power on/off w/LED (ATX) 1 x Remote switch 1 x 4-pin terminal block 1 x AT/ATX selectable switch	
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	Intel® Q370: 1 x 10/100/1000 Mbps Ethernet, 2 x RS-232/422/485 and 2 x USB 3.1 (1 USB 3.1 Gen2 & 1 USB 2.0 signal) module	

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: 1 x Full-size PCI Express Mini Card slot (USB interface) Intel® Q370: 1 x Full-size PCI Express Mini Card slot (USB & PCIe interface) or 1 x M.2 Key B 3050 socket
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), supports RAID 0,1 1 x M.2 Key M 2280 socket (PCIe Gen3 x4) for NVMe SSD
System Indicators	1 x HDD/SSD access LED 3 x User's LED	
Power Input	Type: ATX/AT 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	

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

\*\*Supports NVIDIA® Tesla A2 GPU

## Ordering Information

System	
IPC962-525-N-DC-H310 (P/N: E26G962119)	2-slot industrial system with 9th/8th gen Intel® Core™ processor and Intel® H310, and PCI Express Mini Card slot, w/o Axiomtek logo
IPC962-525-N-DC-Q370 (P/N: E26G962114)	2-slot industrial system with 9th/8th Intel® gen Core™ processor, Intel® Q370, and PCI Express Mini Card slot, w/o Axiomtek logo
IPC962-525-N-DC-Q370-5G (P/N: E26G962113)	2-slot industrial system with 9th/8th Intel® gen Core™ processor, Intel® Q370, and 5G wireless version, w/o Axiomtek logo

### I/O Module & Riser Card

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 10/100/1000 Mbps (Intel® I210-AT) Ethernet 2 x RS-232/422/485 & 2 x USB 3.1 (1 USB 3.1 Gen2 & 1 USB 2.0 signal)
726G9740690E	Blank I/O cover
AX96205 (P/N: 83962051000E)	1 x PCIe x16 + 1 PCIe x4 expansion card
AX96206 (P/N: 83962061000E)	1 x PCIe x16 + 1 PCI expansion card
AX96207 (P/N: 83962071000E)	2 x PCI expansion card

### 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	
8816G962BA0E	IPC962 fan module kit (internal)
8816G962CA0E	IPC962 fan module kit (external)
8816G9629A0E	NVIDIA® Tesla T4 GPU card fan module kit (for AX96205)
8816G962AA0E	Wall mount bracket kit
509000001500	Adaptor 24V/120W, wire only
50906A24000E	Adaptor 24V/230W, wire only
8816G9628A0E	IPC962 license key kit
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

