

# IPC964-525

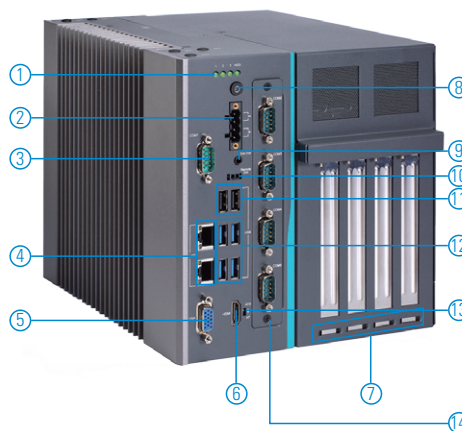
4-slot Industrial System with LGA1151 Socket 9th/8th Gen Intel® Core™ i7/i5/i3 or Celeron® Processor, Intel® Q370, and Front-access I/O, PCIe and PCI Slots

## 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
- Supports RAID 0,1
- Supports Power-on delay function
- Supports TPM 2.0
- Supports AMT 12



▲ Rear view



- 1 x HDD/SSD access LED & 3 x user's LED
- 4-pin terminal block
- RS-232/422/485 (default RS-232)
- 2 x LAN
- VGA
- HDMI
- Expansion interface  
(1) AX96410  
(2) AX96411
- Switch for power on/off w/LED
- Line-out
- Remote switch
- 2 x USB 2.0
- 4 x USB 3.1 Gen.2
- 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® Q370
System Memory	2 x DDR4-2666/2400 MT/s un-buffered SO-DIMM, up to 64GB
System I/O	Ethernet 2 x 10/100/1000 Mbps Ethernet (Intel® i211-AT & i219-LM)
	Serial 1 x RS-232/422/485 (default RS-232, COM1)
	USB 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
	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 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	AX96410	1 PCIe x16 + 3 PCIe x4
	AX96411	1 PCIe x16 + 1 PCIe x4 + 2 PCI 1 x Full-size PCI Express Mini Card slot (USB & PCIe interface) or 1 x M.2 Key B 3050 socket
	SIM	1 x SIM slot
Storage	2 x 2.5" swappable HDD/SSD (7/9.5 mm height), support 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	188.1 mm (7.39") (W) x 192 mm (7.4") (H) x 230 mm (9.04") (D)	
Weight (net/gross)	4.8 Kg (10.56 lb)/5.9 Kg (12.98 lb)	
Certifications	CE/FCC	

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

## Ordering Information

System	
IPC964-525-N-DC-Q370 (P/N: E26G964105)	4-slot industrial system with Intel® 9th/8th gen Core™ processor, Intel® Q370, and PCI Express Mini Card slot, w/o Axiomtek logo
IPC964-525-N-DC-Q370-5G (P/N: E26G964106)	4-slot industrial system with Intel® 9th/8th gen Core™ processor, Intel® Q370, and 5G wireless version, w/o Axiomtek logo

I/O Module & Riser Card	
AX93511 (P/N: 826G9620170E)	4 x RS-232/422/485 module (default RS-232)
AX93512 (P/N: 826G9620200E)	2 x RS-232/422/485 with isolated 1.5kVDC & 8-in/8-out with isolated 1.5kVDC DIO module
AX93516 (P/N: 826G9620180E)	4 x RS-232/422/485 with isolated 2kVDC module
AX93519 (P/N: 826G9620190E)	1 x 10/100/1000 Mbps (Intel® i211-AT) Ethernet 2 x RS-232/422/485 & 2 x USB 3.1 (1 USB 3.1 Gen2 & 1 USB 2.0 signal) module
726G9740690E	Blank I/O cover
AX96410 (P/N: 83964101000E)	1 x PCIe x16 + 3 PCIe x4 expansion kit
AX96411 (P/N: 83964111010E)	1 x PCIe x16 + 1 PCIe x4 + 2 PCI expansion kit

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	
8816G9643A0E	Fan module kit (internal)
8816G9644A0E	Fan module kit (external)
5946G962000E	Graphics card power cable ATX4P/BTX6 + 2P, L = 200mm
8816G962AA0E	Wall mount bracket kit
50906D24000E	Adaptor 24V/120W, wire only
50906A24000E	Adaptor 24V/230W, wire only

## Power Protection

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

## Packing List

- 1 x IPC964-525 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

