

IPC962-525

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

Features

- Supports NVIDIA® GPU card, up to 125W
- Supports NVIDIA® Tesla T4 GPU Card
- Supports LGA1151 Socket 9th/8th gen Intel® Core™ processor, up to 65W
- Supports 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)

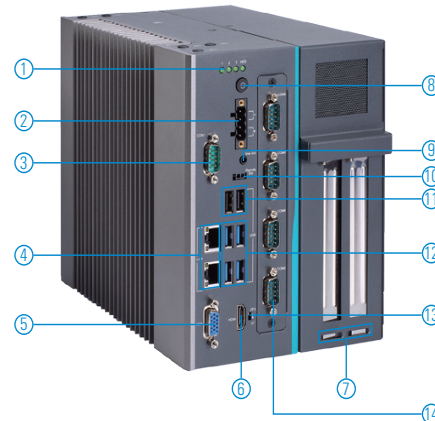


▲ Rear view



Specifications

Standard Color	Silver & black
Construction	Aluminum extrusion heavy-duty cold-rolled steel
Processor System	CPU Level Intel® 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 2 x 10/100/1000 Mbps Ethernet (Intel® i211-AT & i219-LM)
	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® H310: 1 x 10/100/1000 Mbps Ethernet, 2 x RS-232/422/485 and 2 x USB 3.0 (USB 2.0 signal) Intel® Q370: 1 x 10/100/1000 Mbps Ethernet, 2 x RS-232/422/485 and 2 x USB3.1 (1 USB3.1 Gen2 & 1 SB2.0 signal) module



1. 1 x HDD/SSD access LED and 3 x User's LED
2. 4-pin terminal block
3. RS-232/422/485 (default RS-232)
4. 2 x LAN
5. VGA
6. HDMI
7. Expansion Interface
(1) AX96205
(2) AX96206
(3) AX96207
8. Switch for power On/Off w/LED
9. Line Out
10. Remote switch
11. 2 x USB2.0
12. Intel® H310: 4 x USB 3.1 Gen1
Intel® Q370: 4 x USB 3.1 Gen2
13. 1 x AT/ATX Switch
14. Extension System I/O Module
(1) AX93511
(2) AX93512
(3) AX93516
(4) AX93519
(5) Blank I/O cover

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 slot (3042/3050)
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 Intel® 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/FCC

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

**Supports NVIDIA® Tesla T4 GPU card.

Ordering Information

System	
IPC962-525-N-DC-FL-H310	Fanless industrial system with 9th/8th gen Intel® Core™ processor and Intel® H310 and mini card slot, w/o Axiomtek logo
IPC962-525-N-DC-Q370	2-slot industrial system with Intel® 9th/8th gen Core™ processor, Intel® Q370 chipset and mini card slot, w/o Axiomtek logo
IPC962-525-N-DC-Q370-5G	2-slot industrial system with Intel® 9th/8th gen Core™ processor, Intel® Q370 chipset 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
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
50906D24000E	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

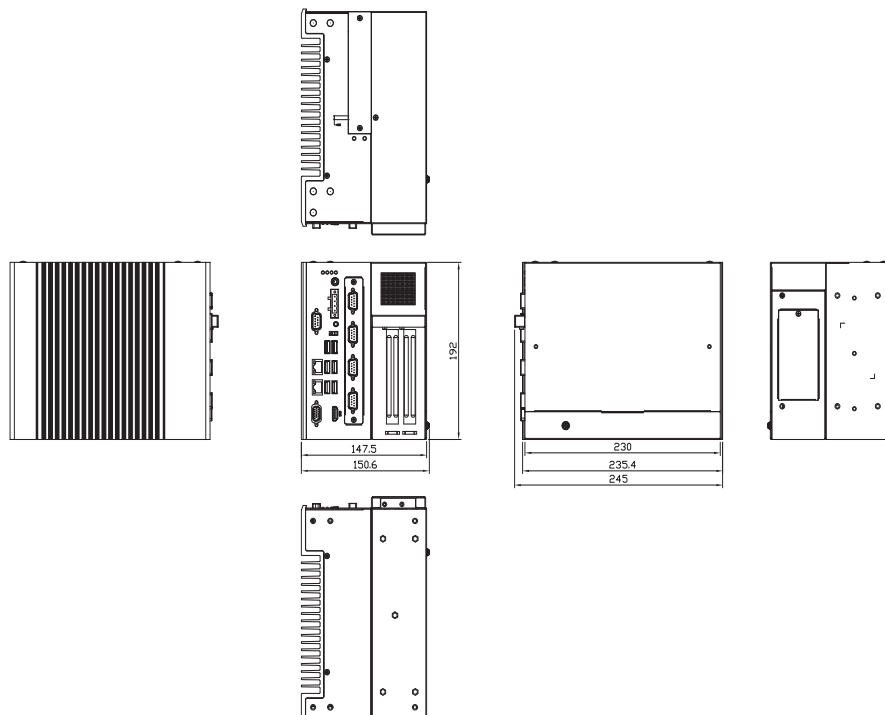
DC Version

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

Dimensions



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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