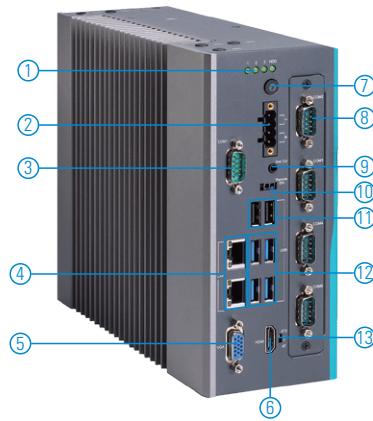


IPC960-525-FL NEW

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

Features

- LGA1151 Socket 9th/8th gen Intel® Core™ processor, up to 65W
- 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)
- 2-slot/4-slot expansion kit for further expansion



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	2 x 10/100/1000 Mbps Ethernet (Intel® i211-AT & 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 RS-232/422/485 (default RS-232) 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 USB 3.1 (1 USB 3.1 Gen2 & 1 USB 2.0 signal) module	
TPM	TPM 2.0		

1. 1 x HDD/SSD access LED & 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. Switch for power on/off w/LED
8. Extension system I/O module
(1) AX93511
(2) AX93512
(3) AX93516
(4) AX93519
(5) Blank I/O cover
9. Line-out
10. Remote switch
11. 2 x USB 2.0
12. 4 x USB 3.1 Gen.1
13. 1 x AT/ATX switch

Expansion Interface	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	83.5 mm (3.28") (W) x 192 mm (7.54") (H) x 230 mm (9.04") (D)	
Weight (net/gross)	3.82 kg (8.43 lb)/4.78 kg (10.55 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	
PC960-525-N-DC-FL-H310	Fanless industrial system with 9th/8th gen Intel® Core™ processor and Intel® H310 and PCI Express Mini Card slot, w/o Axiomtek logo
IPC960-525-N-DC-FL-Q370	Fanless industrial system with 9th/8th gen Intel® Core™ processor, Intel® Q370 and PCI Express Mini Card slot, w/o Axiomtek logo
IPC960-525-N-DC-FL-Q370-5G	Fanless industrial system with 9th/8th gen Intel® Core™ processor, Intel® Q370 and 5G wireless version, w/o Axiomtek logo

I/O Module & Riser Card

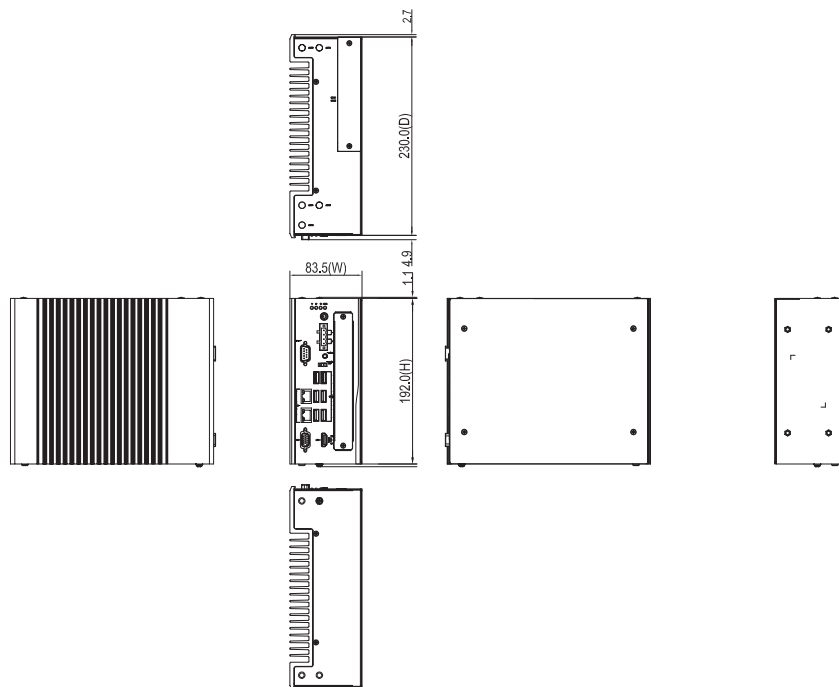
AX93511 (P/N: 826G9620170E)	4 x RS-232/422/485 module (default RS-232)
AX93512 (P/N: 826G9620200E)	2 x RS-232/422/485 with isolated 1.5kVDC & 8-in/8-out with isolated 1.5kVDC DIO module
AX93516 (P/N: 826G9620180E)	4 x RS-232/422/485 with isolated 2kVDC module
AX93519 (P/N: 826G9620190E)	1 x 10/100/1000 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 or 2 USB 2.0 signal) module
726G9740690E	Blank I/O cover

Power Protection

DC Version

OVP (over voltage protection)
OCP (over current protection)
Reverse Protection

Dimensions



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	
8816G9621A0E	Wall mount bracket kit
8816G9600A0E	Din-rail mounting kit (for IPC960)
50906D24000E	Adaptor 24V/120W, wire only
50906A24000E	Adaptor 24V/230W, wire only
AX96205 expansion kit (P/N: E26G962116)	1 PCIe x16 + 1 PCIe x4 w/chassis expansion kit
AX96206 expansion kit (P/N: E26G962117)	1 PCIe x16 + 1 PCI w/chassis expansion kit
AX96207 expansion kit (P/M: E26G962118)	2 PCI w/chassis expansion kit
8816G962BA0E	Fan module kit (internal, for AX96205/6/7 w/chassis expansion kit)
8816G962CA0E	Fan module kit (external, for AX96205/6/7 w/chassis expansion kit)
8816G9629A0E	NVIDIA® Tesla T4 GPU card fan module kit (for AX96205 w/chassis expansion kit)
AX96410 expansion kit (P/N: E26G964107)	1 PCIe x16 + 3 PCIe x4 w/chassis expansion kit (for Intel® Q370)
AX96411 expansion kit (P/N: E26G964108)	1 PCIe x16 + 1 PCIe x4 + 2 PCI w/chassis expansion kit (for Intel® Q370)
8816G9643A0E	Fan module kit (internal, for AX96410/11 expansion kit)
8816G9644A0E	Fan module kit (external, for AX96410/11 expansion kit)
5946G962000E	Graphics card power cable ATX4P/BTX6 + 2P, L = 200mm

Packing List

1 x IPC960-525-FL 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 HDD spacer