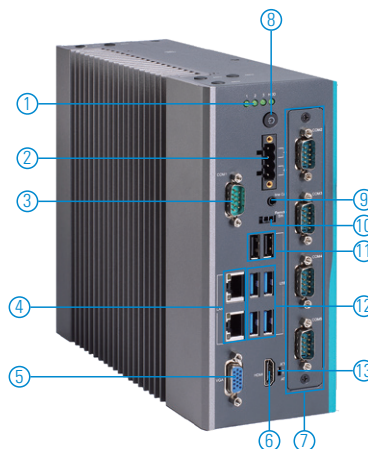


# IPC960-525-FL

Fanless Industrial System with LGA1151 Socket 9th/8th Gen Intel® Core™ i7/i5/i3 or 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 (Intel® Q370)



- |  |  |                       |
|--|--|-----------------------|
| 1. 1 x HDD/SSD access LED & 3 x User's LED | 7. Extension system I/O module<br>(1) AX93511<br>(2) AX93512<br>(3) AX93516<br>(4) AX93519 | 9. Line-out           |
| 2. 4-pin terminal block                    |  | 10. Remote switch     |
| 3. RS-232/422/485 (default RS-232)         |  | 11. 2 x USB 2.0       |
| 4. 2 x GbE LAN                             |  | 12. 4 x USB 3.1 Gen.1 |
| 5. VGA                                     |  | 13. 1 x AT/ATX switch |
| 6. HDMI                                    | 8. Switch for power on/off w/LED   |                       |



## 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® I210-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® 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	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

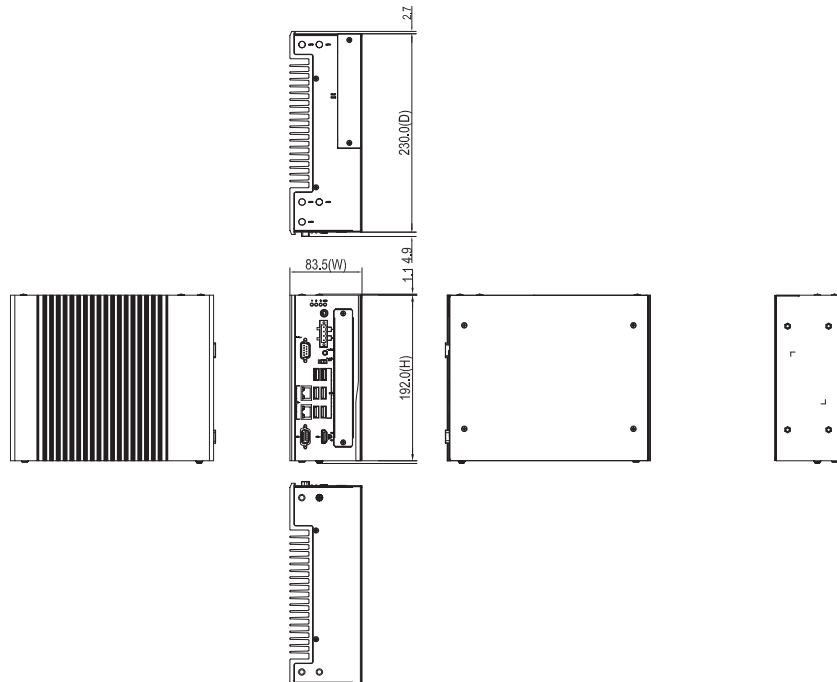
System	
IPC960-525-N-DC-FL-H310 (P/N: E26G960107)	Fanless industrial system with 9th/8th gen Intel® Core™ processor, Intel® H310, and PCI Express Mini Card slot, w/o Axiomtek logo
IPC960-525-N-DC-FL-Q370 (P/N: E26G960105)	Fanless industrial system with 9th/8th gen Intel® Core™ processor, Intel® Q370, and PCI Express Mini Card slot, 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 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	
8816G962AA0E	Wall mount bracket kit
8816G9600A0E	Din-rail mounting kit (for IPC960)
50906D24000E	Adaptor 24V/120W, wire only
50906A24000E	Adaptor 24V/230W, wire only

## 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