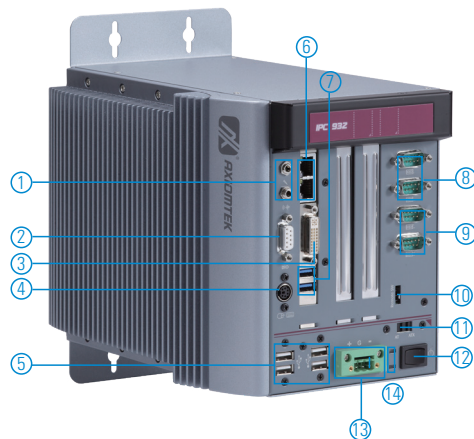


# IPC932-230-FL

2-slot Fanless Industrial System with 4th Gen Intel® Core™ i7/i5/i3 & Celeron® Processor, Intel® Q87, Front-access I/O, PCIe and PCI Slots

## Features

- 4th gen Intel® Core™ i7/i5/i3 & Celeron® processor, up to 45W (codename: Haswell/Haswell Refresh)
- Intel® Q87 chipset
- Supports 2 expansion slots
- 10 to 30 VDC to DC power supply
- Compact & front I/O design
- -10°C to +50°C operating temperature range
- Supports Intel® AMT 9.0
- Supports two 2.5" SATA HDD
- Supports SATA 6Gbs with RAID 0,1



- |                          |                         |   |
|--------------------------|-------------------------|---|
| 1. Mic-in & Line-out     | 6. 2 x LAN              | 11. ATX/AT mode switch                            |
| 2. Digital I/O           | 7. 2 x USB 3.0          | 12. ATX power switch                              |
| 3. DVI-I                 | 8. RS-232/422/485       | 13. Power connector<br>(Din-jack or phoenix plug) |
| 4. PS/2 keyboard & mouse | 9. RS-232               | 14. HDD & Power LEDs                              |
| 5. 4 x USB 2.0           | 10. Remote power switch |   |

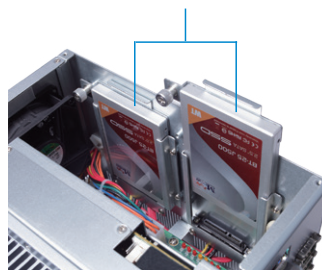


▲ Rear view



Optional fan module helps heat dissipation generated by PCI/PCIe cards  
Size: 80 mm (W) x 80 mm (H) x 25 mm (D)

Supports 2 x SATA HDD, Easy-to-install



## Specifications

Standard Color	Silver
Construction	Aluminum extrusion heavy-duty cold-rolled steel, IP30
System Board	SHB230DGGA
Processor System	CPU Level 4th gen Intel® Core™ i7/i5/i3 & Celeron® processor (Haswell/Haswell Refresh)
	Max. Speed 2.42 GHz
	Chipset Intel® Q87
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB
I/O Interface	ATX power on/off switch 1 x 2-pin connector output for remote on/off switch 2 x USB 3.0 4 x USB 2.0 2 x RS-232 2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 1 x DVI-I 1 x DIO (Female DB9 Connector) (4-in and 4-out) 1 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out) 1 x AT/ATX mode switch
Expansion Interface	HAB100: 1 x PCIe x1 & 1 x PCIe x4 HAB103: 1 x PCIe x4 & 1 x PCI HAB108: 2 x PCI HAB110: 1 x PCIe x4 & 1 x PCIe x16

Storage	2 x 2.5" SATA HDD, 1 x CFast™ socket
System Indicators	1 x Power on/off 1 x HDD
Power Input	DC ATX 150W: Input: 10 to 30 VDC Output: +5V@11A, +3.3V@5A, +12V@9A, -12V@-150mA, 5Vsb@2A
	AC-DC power adapter: Input: 90 to 264 VAC Output: 19V@7.89A
	Operating Temperature -10°C to +55°C (+14°F to +131°F) (with W.T. SSD or Cfast)
Storage Temperature	-20°C to +80°C (-4°F to +176°F)
Humidity	10% to 90%, non-condensing
Dimensions	159.9 mm (6.36") (W) x 251.8 mm (10.02") (D) x 185 mm (7.2") (H)
Weight (net/gross)	6.2 kg (13.67 lb)/7.2 kg (15.87 lb)
Certifications	CE compliance

\*\*The maximum power rating for expansion slots at +50°C can not be exceeded the following values: The maximum loading of +3.3V/1A and +5V/5A and +12V/3A <60W

## Ordering Information

PCIe Version	
IPC932-230-FL-DC SYS w/ HAB100 (P/N: E26G932101)	2-slot fanless industrial system with 4th gen, Intel® Core™ i7/i5/i3 processor and front-access I/O, PCIe slots and DC-in ATX 150W P/S
IPC932-230-FL-AC-US SYS w/ HAB103 (P/N: E26G932102)	2-slot fanless industrial system with 4th gen, Intel® Core™ i7/i5/i3 processor and front-access I/O, PCIe slots and DC-in ATX 150W P/S, AC-DC 150W power adapter and US power cord
IPC932-230-FL-DC SYS w/ HAB103 (P/N: E26G932103)	2-slot fanless industrial system with 4th gen Intel® Core™ i7/i5/i3 processor and front-access I/O, PCIe slots and DC-in ATX 150W P/S
IPC932-230-FL-AC-US w/ HAB100 w/o logo (P/N: E26G932108)	2-slot fanless industrial system with 4th gen Intel® Core™ i7/i5/i3 processor and front-access I/O, PCIe slots and DC-in ATX 150W P/S, AC-DC 150W power adapter and US power cord, without Axiomtek logo
IPC932-230-FL-DC w/ HAB100 w/o logo (P/N: E26G932109)	2-slot fanless industrial system with 4th gen Intel® Core™ i7/i5/i3 processor and front-access I/O, PCIe slots and DC-in ATX 150W P/S, without Axiomtek logo
IPC932-230-FL-AC-US w/ HAB103 w/o logo (P/N: E26G932110)	2-slot fanless industrial system with 4th gen Intel® Core™ i7/i5/i3 processor and front-access I/O, PCIe slots and DC-in ATX 150W P/S, AC-DC 150W power adapter and US power cord, without Axiomtek logo
IPC932-230-FL-AC-US SYS w/ HAB108 (P/N: E26G932113)	2-slot fanless industrial system with 4th gen Intel® Core™ i7/i5/i3 processor and front-access I/O, PCIe slots and DC-in ATX 150W P/S, AC-DC 150W power adapter and US power cord
IPC932-230-FL-AC-US SYS w/ HAB110 (P/N: E26G932115)	2-slot fanless industrial system with 4th gen Intel® Core™ i7/i5/i3 processor and front-access I/O, PCIe slots and DC-in ATX 150W P/S, AC-DC 150W power adapter and US power cord

\*Specifications and certifications may vary according to various options.

Optional	
2.5" SATA HDD: 320 GB, 500 GB	
DDR3 SO-DIMM: 2GB, 4GB, 8GB	
CFast™: 2GB, 4GB, 8GB	
E26G932104	IPC932-230-FL fan module kit
594826A0010E	Y-cable for CRT and DVI 150 mm
59381560000E	6P PS/2 KB + MS cable

## Power Protection

AC Version
OVP (over voltage protection)
OTP (over temperature protection)
OPP (over power protection)
SCP (over circuit protection)

DC Version
OVP (over voltage protection)
SCP (short circuit protection)
OCP (over current protection)

## Packing List

- 1 x IPC932-230-FL series unit
- 1 x 19 V 15 0W adapter (for AC Version)
- 1 x Driver CD
- 1 x Quick manual
- 2 x Wall mount bracket
- 1 x Screw pack
- 4 x Foot pad
- 1 x CPU thermal pad
- 2 x HDD bracket
- 2 x HDD mylar
- 1 x Terminal block (for DC version)
- 1 x Remote power switch cable

## Dimensions

