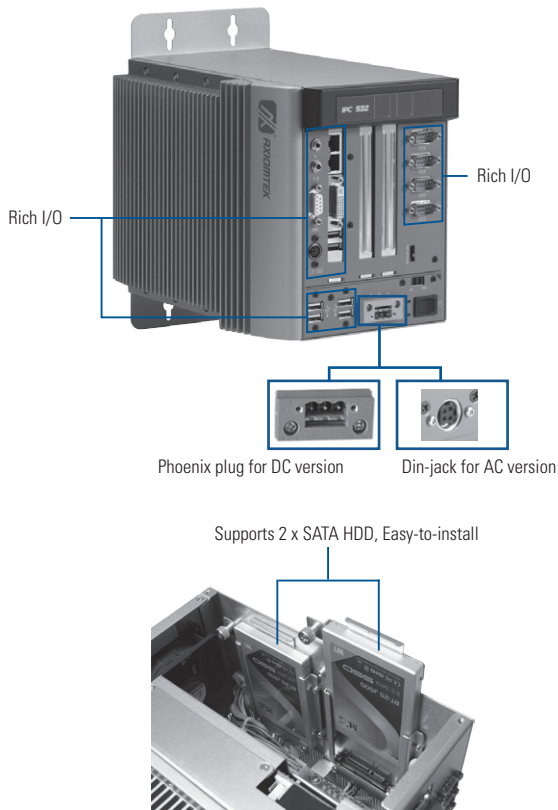


IPC932-230-FL

2-slot Fanless Barebone System with 4th Generation Intel® Core™ i7/ i5/ i3/ Celeron® Processors up to 3.3 GHz, Intel® Q87 PCH, PCIe and PCI Slots

NEW

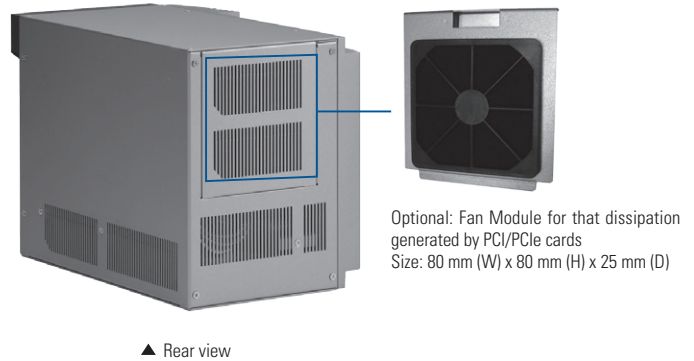


Specifications

Standard Color	Sliver
Construction	Aluminum extrusion heavy-duty cold-rolled steel, IP30
System Board	SHB230DGGA
Processor System	4th Generation for Intel® Core™ i7/ i5/ i3/ Celeron® processors, up to 45W
Max. Speed	3.3GHz
Front Side Bus	N/A
Chipset	Intel® Q87
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM, max. up to 16 GB
I/O Interface (Front)	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 (COM 3/4) 2 x RS-232/422/485 (COM 1/2) 2 x 10/100/1000Mbps 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

Features

- 4th Generation Intel® Core™ i7/ i5/ i3/ Celeron® processors, up to 45W (Haswell)
- Intel® Q87 PCH
- Supports 2-slot expansion slots
- DC to DC power supply supports 10~30V
- Compact & front I/O design
- Rugged, up to -10°C ~ +50°C fanless operation with W.T SSD or W.T CFast™
- Supports iAMT 9.0
- Supports SATA 6Gbs with RAID 0,1



Expansion Interface	HAB100: 1 PCIe x1 & 1 PCIe x4 HAB103: 1 PCIe x4 & 1 PCI
Storage	2 x 2.5" SATA HDD, 1 x onboard CFast™ socket
System Indicators	1 x power on/off, 1 x HDD
Power Supply	DC ATX 150W: Input : 10~30VDC Output: +5V@11A, +3.3V@5A, +12V@9A, -12V@-150mA, 5Vsb@2A AC-DC power adapter: Input: 90~264VAC Output: 19V@7.89A
Operation Temperature	-10°C ~ +50°C (+14°F ~ +122°F) w/ W.T HDD or W.T SSD or W.T CFast™
Storage Temperature	-20°C ~ 80°C (-4°F ~ +176°F)
Humidity	10% ~ 90%, non-condensing
Dimensions	164 mm (6.45") (W) x 245.6 mm (9.65") (D) x 185 mm (7.27") (H)
Weight (net/gross)	6.2 kg (13.67 lb)/7.2 kg (15.87 lb)
Certification	CE compliance

Ordering Information

PCI Version

IPC932-230-FL-HAB100-DC (P/N:)	2-slot fanless embedded system with Intel® Core™ i7/ i5/ i3, PCIe slots and DC-in ATX 150W P/S
IPC932-230-FL-HAB100-AC (P/N:)	2-slot fanless embedded system with Intel® Core™ i7/ i5/ i3, PCIe slots , DC-in ATX 150W P/S and AC-DC 150W power adaptor and US power cord

PCI+PCIe Version

IPC932-230-FL-HAB103-DC (P/N:)	2-slot fanless embedded system with Intel® Core™ i7/i5/i3, PCI & PCIe slots, DC-in ATX 150W P/S
IPC932-230-FL-HAB103-AC (P/N:)	2-slot fanless embedded system with Intel® Core™ i7/i5/i3, PCI & PCIe slots , DC-in ATX 150W P/S and AC-DC150W power adaptor and US power cord

*Specifications and certifications are based on options and may vary.

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)

Optional Items

DDR3 SO-DIMM: 2 GB, 4 GB, 8 GB
 CFast™: 2 GB, 4 GB, 8 GB
 2.5" SATA HDD: 320 GB, 500 GB
 Fan Module : FAN EE80251B1 3200R 12VDC 10CM 3P SMP2.5 (50580252030E)
 Y-Cable for CRT and DVI 150 mm (594826A0010E)
 6P PS/2 KB+Mouse cable (59381560000E)

Packing List

19V 150W adapter (for IPC932-230-FL AC Version)
 Driver CD
 Quick Manual
 Wall mount bracket x 2
 Foot Pad x 4
 HDD bracket x 2
 Screw pack x 1

Overview

Embedded Systems

Embedded Systems for Transportation

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

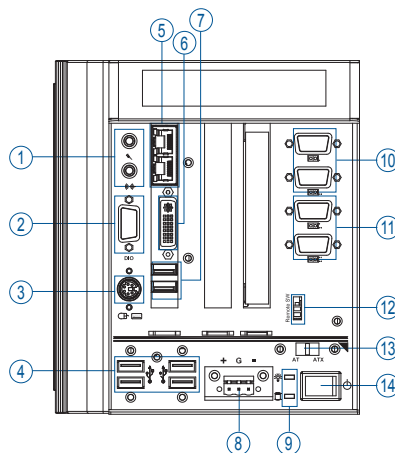
Backplanes

Power Supplies

Peripherals & Accessories

Appendix

Front & Rear Metal Panel I/O Layout



1. Audio(MIC-in/Line-out)
2. DIO
3. PS/2 keyboard/mouse
4. USB 2.0 x 4
5. Ethernet x 2
6. DVI-I
7. USB 3.0 x 2
8. Power connector (Din-Jack or Phoenix plug)
9. LED for Power and HDD
10. RS-232/422/485 (COM 1/2)
11. RS-232 (COM 3/4)
12. Remote power switch
13. ATX/AT Mode switch
14. ATX Power switch