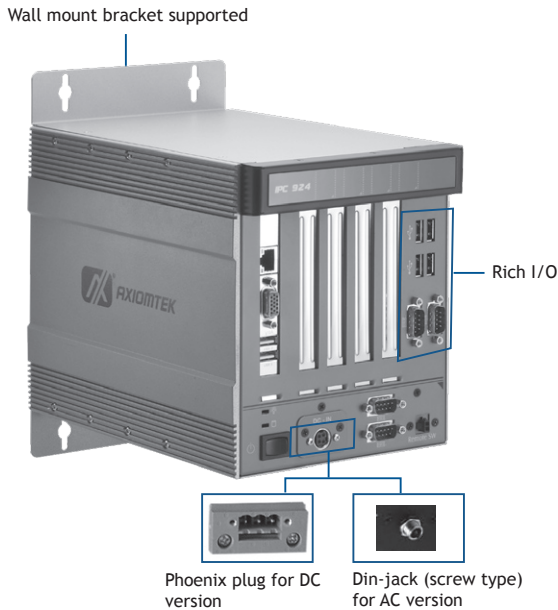


# IPC924-212-FL

4-slot Fanless System with Intel® Atom™ Processor D525 up to 1.8 GHz, Intel® ICH8M Chipset, PCIe & PCI Slots



## Features

- Intel® Atom™ processor D525 up to 1.8 GHz
- Fanless & ventilation-free
- Intel® ICH8M chipset
- Supports 4 expansion slots
- DC to DC power supply supports 10~30V
- Compact & front I/O design



▲ Rear view



## Specifications

Standard Color	Sliver
Construction	Aluminum extrusion heavy-duty cold-rolled steel
System Board	SHB212VGA
Processor	CPU Level Intel® Atom™ processor D525
System	Max. Speed 1.8 GHz
	Front Side Bus N/A
Chipset	Intel® ICH8M
System Memory	1 x 204-pin DDR3 800 SO-DIMM socket, up to 4 GB
I/O Interface (Front)	ATX power on/off switch 6 x USB 2.0 3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1) 1 x 10/100/1000Mbps Ethernet 1 x VGA

Expansion Interface	HAB104: 4 PCI HAB105: 2 PCI & 1 PCIe x1 & 1 PCIe x16
Storage	1 x 2.5" SATA HDD 1 x onboard CompactFlash™ socket
System Indicators	1 x power on/off , 1 x HDD
Power Supply	DC ATX150W: Input : 10~30VDC Output: +5V @ 11A, +3.3V @ 5A, +12V @ 9A, -12V @ -150mA, 5Vsb @ 2A AC-DC power adapter: Input: 100~240VAC Output: 19V @ 7.89A
Operation Temperature	0°C ~ +45°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ +80°C (-4°F ~ +113°F)
Humidity	10% ~ 90%, non-condensing
Dimensions	158 mm (6.2") (W) x 248 mm (9.8") (D) x 185 mm (7.3") (H)
Weight (net/gross)	3.88 kg (8.55 lb)/4.86 kg (10.71 lb)
Certification	CE

## Ordering Information

### PCI Version

IPC924-212-FL-HAB104-AC (P/N: E26G924100)	4-slot fanless system with Intel® Atom™ D525, PCI slots, DC-in ATX 150W P/S and AC-DC 150W power adaptor and US power cord
IPC924-212-FL-HAB104-DC (P/N: E26G924101)	4-slot fanless system with Intel® Atom™ D525, PCI slots, DC-in ATX 150W P/S

### PCI+PCIe Version

IPC924-212-FL-HAB105-AC (P/N: E26G924102)	4-slot fanless system with Intel® Atom™ D525, PCI & PCIe slots, DC-in ATX 150W P/S and AC-DC 150W power adaptor and US power cord
IPC924-212-FL-HAB105-DC (P/N: E26G924103)	4-slot fanless system with Intel® Atom™ D525, PCI & PCIe slots, DC-in ATX 150W P/S

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

## Power Protection

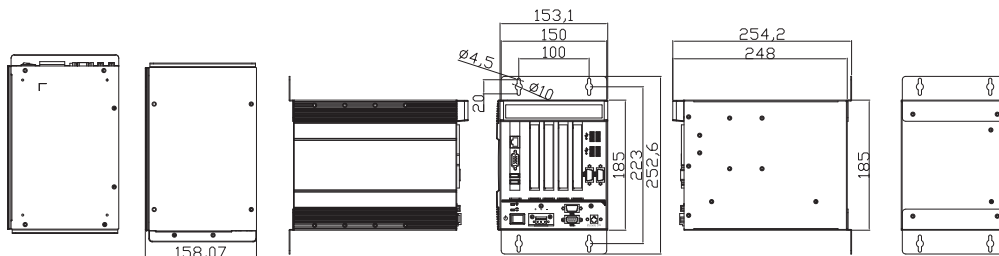
### AC Version

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

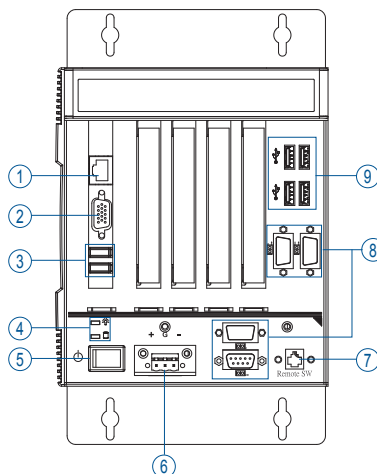
### DC Version

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

## Dimensions



## Front & Rear Metal Panel I/O Layout



1. Ethernet x 1
2. VGA port
3. USB 2.0 x 2
4. LED for power & HDD
5. ATX power switch
6. Power connector (Din-jack or Phoenix plug)
7. Remote power switch
8. RS-232 (COM 2/3/4)  
RS-232/422/485 (COM 1)
9. USB 2.0 x 4

## Optional Items

AX93221-18/36: DVI card  
 40P-40P LVDS cable  
 DVI bracket for AX93221  
 2.5" SATA HDD: 250 GB, 320 GB, 500 GB  
 DDR3 SODIMM: 2 GB, 4 GB

## Packing List

19V 150W adaptor and US power cord (for AC version)  
 Drive CD  
 Quick manual  
 Wall mount bracket x 2  
 Foot pad x 4  
 HDD bracket x 1  
 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