

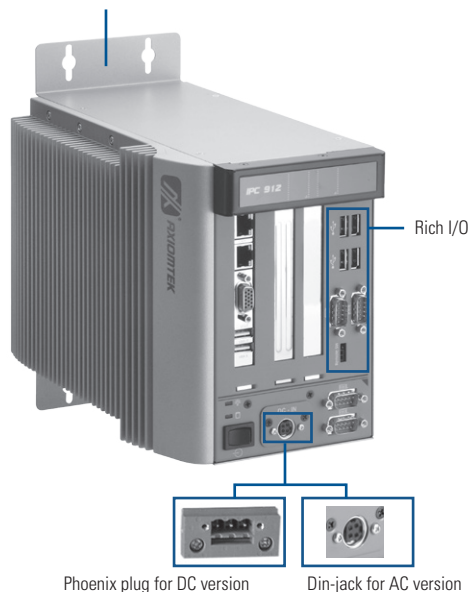
# IPC912-213-FL

2-slot Fanless System with Intel® Core™ i7/i5/i3 & Celeron® Processor (up to 2.5 GHz), Intel® HM65 Chipset, PCIe & PCI Slots

## Features

- Socket G2 for Intel® Core™ i7/i5/i3 & Celeron® processor up to 45W
- Fanless operation
- Intel® HM65 chipset
- Supports 2 expansion slots
- 10~30 VDC to DC power supply
- Compact & front I/O design

Wall mount bracket supported



Phoenix plug for DC version

Din-jack for AC version



▲ Rear view



## Specifications

Standard Color	Silver	
Construction	Aluminum extrusion heavy-duty cold-rolled steel, IP30	
System Board	SHB213VGG	
BIOS	AMI UEFI BIOS	
Processor System	CPU Level	Socket G2 2nd generation for Intel® Core™ i7/i5/i3 & Celeron® processor, up to 45W
	Max. Speed	2.5 GHz
	Front Side Bus	N/A
	Chipset	Intel® HM65
System Memory	2 x 204-pin DDR3 1066/1333 SO-DIMM, up to 8GB	
I/O Interface (Front)	ATX power on/off switch	
	1 x Remote 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)	
	2 x 10/100/1000 Mbps Ethernet 1 x VGA	
Expansion Interface	HAB103: 1 PCIe x4 & 1 PCI	
	HAB100: 1 PCIe x1 & 1 PCIe x4	

Storage	1 x 2.5" SATA HDD 1 x Onboard CFAST™ socket
System Indicators	1 x Power on/off, 1 x HDD
Power Supply	DC ATX150W: Input: 10 ~ 30 VDC Output: +5V @ 11A, +3.3V @ 5A, +12V @ 9A, -12V @ -150mA, 5Vsb @ 2A
	AC-DC power adapter: Input: 90 ~ 240 VAC Output: 19V @ 7.89A
	Operation Temperature
Storage Temperature	-20°C ~ 80°C (-4°F ~ 176°F) (with W.T. HDD)
Humidity	10% ~ 90%, non-condensing
Dimensions	142 mm (5.6") (W) x 248 mm (9.8") (D) x 185 mm (7.3") (H)
Weight (net/gross)	4.22 kg (9.28 lb)/5.3 kg (11.68 lb)
Certification	CE

\*Note: The maximum power rating for expansion slots at 45°C can not be exceeded the following values :  
The maximum loading of 3.3V + 5Vsb + 5V is <49W.  
The maximum loading of 3.3V + 5V+ 12V is <74W.

## Ordering Information

### PCIe Version

IPC912-213-FL-HAB100 DC (P/N: E26G912113)	2-slot fanless system with Intel® Core™ i7/i5/i3 processor, PCIe slots and DC-in ATX 150W P/S
IPC912-213-FL-HAB100 AC (P/N: E26G912112)	2-slot fanless system with Intel® Core™ i7/i5/i3 processor, PCIe slots, DC-in ATX 150W P/S, AC-DC 150W power adapter and US power cord

### PCI+PCIe Version

IPC912-213-FL-HAB103 DC (P/N: E26G912117)	2-slot fanless system with Intel® Core™ i7/i5/i3 processor, PCI & PCIe slots and DC-in ATX 150W P/S
IPC912-213-FL-HAB103 AC (P/N: E26G912116)	2-slot fanless system with Intel® Core™ i7/i5/i3 processor, PCI & PCIe slots, DC-in ATX 150W P/S, AC-DC150W power adapter 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 (short circuit protection)

### DC Version

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

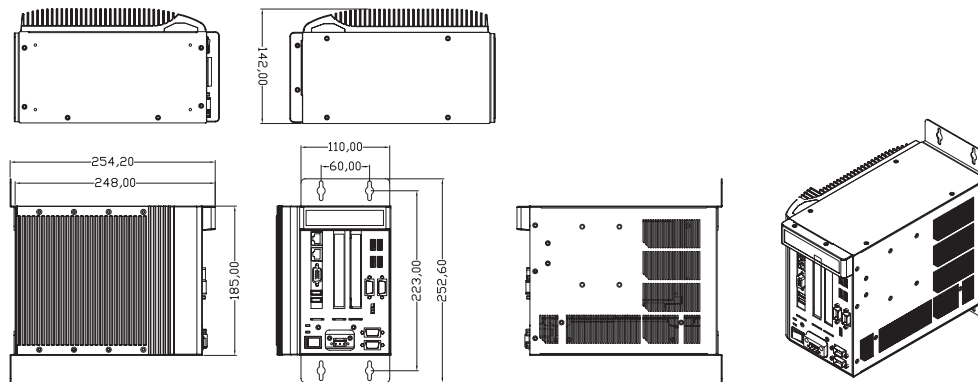
## Optional Items

DDR3 SO-DIMM: 2GB, 4GB, 8GB  
 CFast™: 2GB, 4GB, 8GB  
 Embedded OS: XPE-SP3 OS image and license  
 2.5" SATA HDD: 250GB, 320GB, 500GB

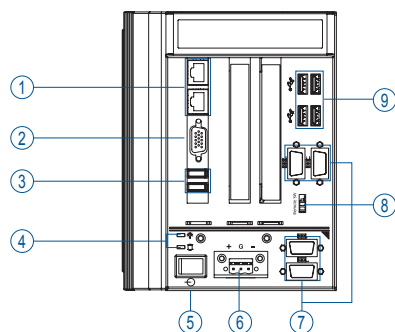
## Packing List

- 1 x 19 V 150 W adapter and US power cord (for AC version)
- 1 x Driver CD
- 1 x Quick manual
- 2 x Wall mount bracket
- 4 x Foot pad
- 1 x HDD bracket
- 1 x Screw pack
- 1 x Thermal pad for RAM
- 1 x Terminal block (for DC version)
- 1 x Remote power switch cable

## Dimensions



## Front & Rear Metal Panel I/O Layout



1. Ethernet x 2
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. RS-232/422/485 (COM 1)  
RS-232 (COM 2/3/4)
8. Remote power switch
9. USB 2.0 x 4



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