

# IPC912-211-FL

2-slot Fanless System with Socket P (478-pin) Intel® Core™2 Duo Processor up to 2.53 GHz, Intel® GM45 Chipset, PCIe & PCI Slots



Front view



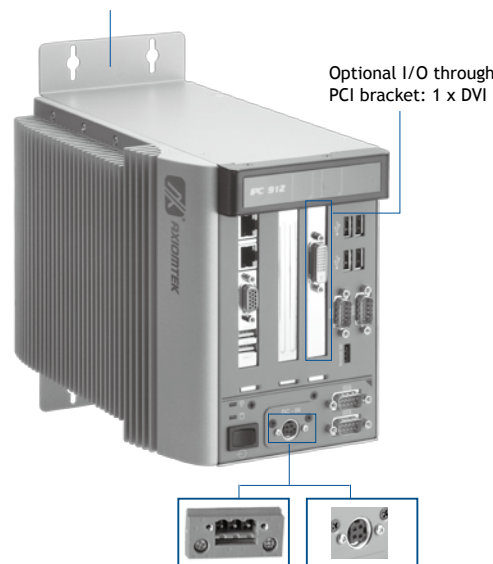
Rear view

## Features



- Socket P (478-pin) for Intel® Core™2 Duo/ Celeron® M processor up to 2.53 GHz
- Fanless operation
- Intel® GM45+ICH9M chipset
- Supports 2-slot expansion slots
- One 2.5" SATA HDD Drive Bay
- DC to DC power supply supports 10V ~ 30V
- Compact & front I/O design

Wall mount bracket supported



Phoenix plug for DC version

Din-jack for AC version

## Specifications

Standard Color	Sliver	
Construction	Aluminum extrusion heavy-duty cold-rolled steel, IP30	
System Board	SHB211VGGA	
Processor System	CPU Level	Socket P (478-pin) for Intel® Core™2 Duo/ Celeron® M processor with 667/800/1066 MHz
	Max. Speed	2.53 GHz
	Front Side Bus	667/800/1066 MHz
	Chipset	Intel® GM45 + ICH9M
System Memory	2 x 204-pin DDR3 800/1066 SO-DIMM socket, up to 8 GB	
I/O Interface (Front)	ATX power on/off switch	
	1 x 2-pin connector output for remote on/off switch	
	6 x USB 2.0	
	3 x RS-232 (COM2/3/4)	
	1 x RS-232/422/485 (COM1)	
	2 x 10/100/1000Mbps Ethernet	
	1 x VGA	

Expansion Interface	HAB100: 1 PCIe x1 & 1 PCIe x4 or 2 PCIe x1
	HAB103: 1 PCI & 1 PClex4
Storage	HAB102: 1 PCIe x4 & 1 PCI-X
	1 x 2.5" SATA HDD 1 x onboard CompactFlash™ socket
System Indicators	1x Power on/off, 1 x HDD
Power Supply	DC ATX 150W:
	Input : 10 ~ 30V <sub>DC</sub>
	Output: +5V @ 11A, +3.3V @ 5A, +12V @ 9A, -12V @ -150mA, 5Vsb @ 2A
	AC-DC power adapter:
	Input: 100 ~ 240V <sub>AC</sub>
	Output: 19V @ 7.89A
Operating Temperature	0° C ~ +45° C (32° F ~ 104° F) (with W.T. HDD)
Storage Temperature	-20° C ~ +80° C (-4° F ~ +113° 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)	4.22kg (9.28 lb) / 5.31kg (11.68 lb)
Certification	CE

## Ordering Information

### PCIe Version

IPC912-211-FL-HAB100-DC (P/N: E26G912100)	2-slot fanless system with socket P Intel® Core™2 Duo, PCIe slots, DC-in ATX 150W P/S
IPC912-211-FL-HAB100-AC (P/N: E26G912101)	2-slot fanless system with socket P Intel® Core™2 Duo, PCIe slots, DC-in ATX 150W P/S and AC-DC 150W power adaptor and US power cord

### PCI +PCIe Version

IPC912-211-FL-HAB103-DC (P/N: E26G912102)	2-slot fanless system with socket P Intel® Core™2 Duo, PCI & PCIe slots, DC-in ATX 150W P/S
IPC912-211-FL-HAB103-AC (P/N: E26G912103)	2-slot fanless system with socket P Intel® Core™2 Duo, PCI & PCIe slots, DC-in ATX 150W P/S and AC-DC 150W power adaptor and US power cord

### PCIe + PCI-X Version

IPC912-211-FL-HAB102-DC (P/N: E26G912104)	2-slot fanless system with socket P Intel® Core™2 Duo, PCIe & PCI-X slots, DC-in ATX 150W P/S
IPC912-211-FL-HAB102-AC (P/N: E26G912105)	2-slot fanless system with socket P Intel® Core™2 Duo, PCIe & PCI-X slots, DC-in ATX 150W P/S and AC-DC 150W power adaptor and US power cord

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

## Power Protection

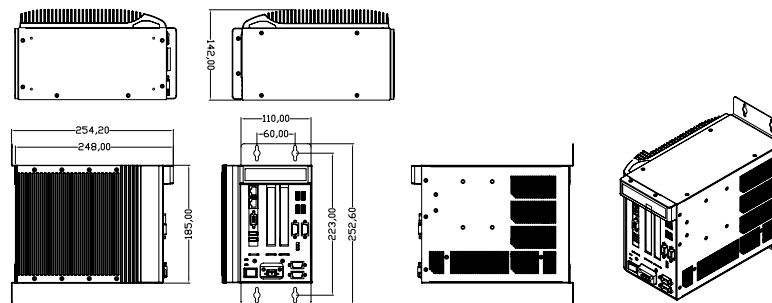
### AC Version

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

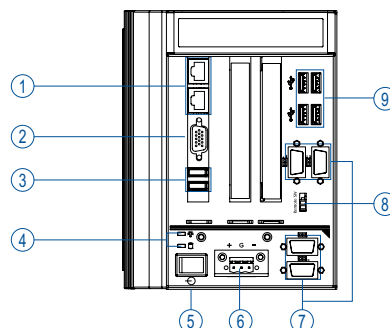
### DC Version

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

## Dimensions



## Front Metal Panel I/O Layout



## Optional Items

2.5" SATA HDD: 250 GB, 320 GB, 500 GB
AX93221-24/48: DVI card
40P-40P LVDS cable
DVI bracket for AX93221
Intel® Core™2 Duo processor: T9400 (2.53 GHz)
Intel® Core™ Duo processor: T9300 (2.5 GHz)
Intel® Core™ Duo processor: T7500 (2.2 GHz)
Intel® Celeron® processor 575 (2 GHz)
DDR3 SODIMM: 512 MB, 1 GB, 2 GB
CompactFlash™: 1 GB, 2 GB, 4 GB, 8 GB
Embedded OS: XPE SP3 OS Image and License

## Packing List

19V 150W adapter and US power cord (for IPC912 AC version)
Driver 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