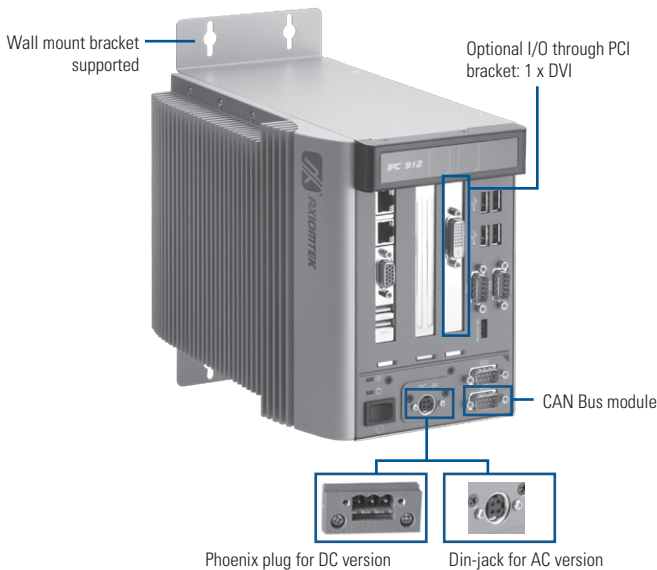


IPC912-211-FL-CAN

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 and CAN Bus Module



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 expansion slots
- One 2.5" SATA HDD Drive Bay
- DC to DC power supply supports 10V ~ 30V
- Compact & front I/O design
- Supports CAN Bus module



▲ Rear view



Specifications

Standard Color	Sliver								
Construction	Aluminum extrusion heavy-duty cold-rolled steel, IP30								
System Board	SHB211VGGA								
Processor System	<table border="0"> <tr> <td>CPU Level</td> <td>Socket P (478-pin) for Intel® Core™2 Duo/ Celeron® M processor with 667/800/1066 MHz</td> </tr> <tr> <td>Max. Speed</td> <td>2.53 GHz</td> </tr> <tr> <td>Front Side Bus</td> <td>667/800/1066 MHz</td> </tr> <tr> <td>Chipset</td> <td>Intel® GM45 + ICH9M</td> </tr> </table>	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
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 remote power on/off switch 6 x USB 2.0 1 x CAN Bus 1 x RS-232/422/485 (COM1) 2 x RS-232 (COM 3/4) 2 x 10/100/1000Mbps Ethernet 1 x VGA								
Expansion Interface	HAB100: 1 PCIe x1 & 1 PCIe x4 HAB103: 1 PCI & 1 PCIe x4 HAB102: 1 PCIe x4 & 1 PCI-X								

CAN Bus	Controller	STM32F105
	Port Channel	1
	Transceiver	ADM3053
	Connector	9-pin male D-Sub
	Isolation	2.0K VDC
	Support Protocol	CAN 2.0A/2.0B
	Baud Rate	up to 1 Mbps
OS Driver Support	Windows® Server 2008; 2003/ Vista/2000/XP/7 and Linux OS	
Storage	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 ~ 30VDC Output: +5V @ 11A, +3.3V @ 5A, +12V @ 9A, -12V @ -150mA, 5Vsb @ 2A AC-DC power adapter: Input: 100 ~ 240VAC 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	

* All specifications and photos are subject to change without notice.

Ordering Information

PCIe Version

IPC912-211-FL-CAN-HAB103-DC (P/N: E26G912107)	2-slot fanless system with socket P Intel® Core™2 Duo, PCI & PCIe slots, DC-in ATX 150W P/S, CAN bus module
IPC912-211-FL-CAN-HAB103-AC (P/N: E26G912108)	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, CAN bus module

PCI+PCIe Version

IPC912-211-FL-CAN-HAB100-AC (P/N: E26G912109)	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
IPC912-211-FL-CAN-HAB100-DC (P/N: E26G912110)	2-slot fanless system with socket P Intel® Core™2 Duo, PCIe slots, DC-in ATX 150W P/S

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

Power Protection

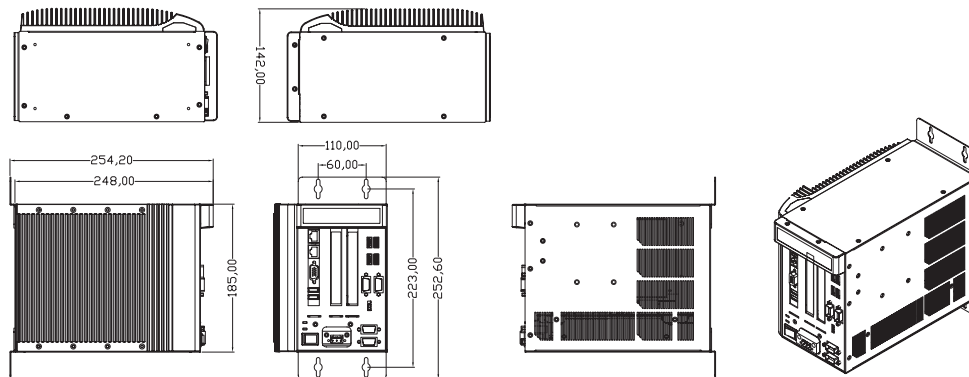
AC Version

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

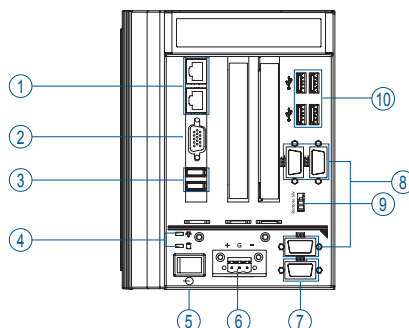
DC Version

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

Dimensions



Front & Rear Metal Panel I/O Layout



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

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™2 Duo processor: T9300 (2.5 GHz)
 Intel® Core™2 Duo processor: T7500 (2.2 GHz)
 Intel® Celeron® processor 575 (2 GHz)
 DDR3 SODIMM: 1 GB, 2 GB
 CompactFlash™: 2 GB, 4 GB, 8 GB
 Embedded OS: XPE SP3 OS Image and License

Packing List

19V 150W adapter and US power cord (for AC version)
 Driver CD
 Quick manual
 Wall mount bracket x 2
 Foot pad x 4
 HDD bracket x 1
 Screw pack x 1
 CAN bus module 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