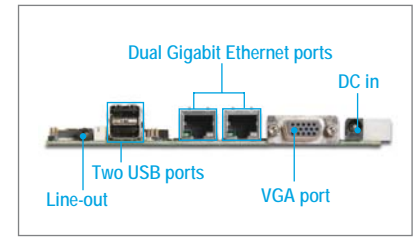
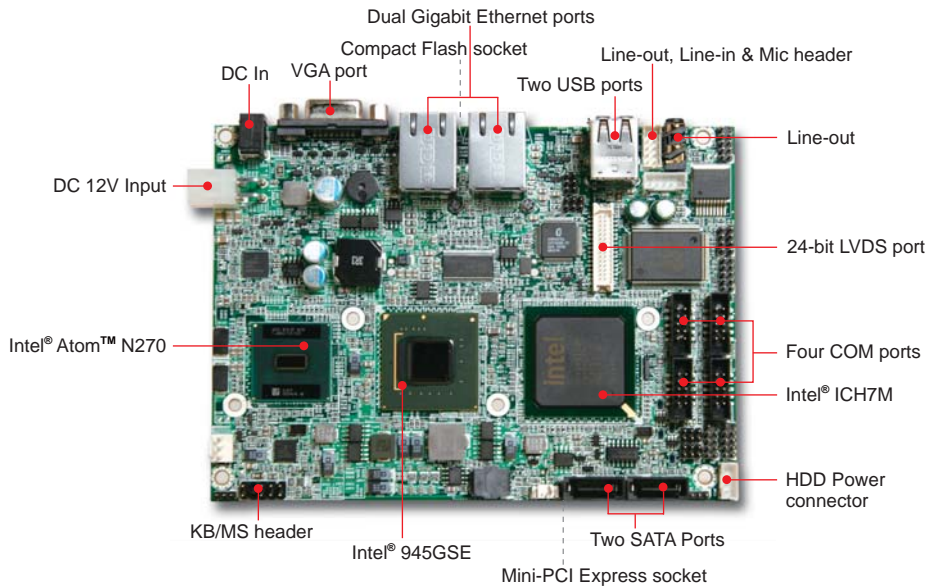


PEB-2131VG2A

3.5" Embedded size, Based on Intel® ATOM™ N270 Processor with DDR 2 SDRAM, Dual Display by VGA/LVDS, Gigabit Ethernet, Four Power COM Ports and Audio



Rear I/O

FEATURES

- Intel® ATOM™ N270 and 945GSE platform that provides cost effective solution technology
- SATA and CF interface provide best cost effective storage for market
- Support one SODIMM socket and up to 2GB memory size
- Mini-PCI Express and power COM ports bring flexible usage model
- Dual Gigabit Ethernet (10/100/1G) with RJ-45 connector
- High Definition audio with 2-channel amplifier@6W
- Low profile rear I/O supports thin client application

PACKING LIST

- 3 in 1 Heatsink x1
- SATA cable x1
- SATA power cable x1
- Utility CD x1

ORDERING GUIDE

Standard	PEB-2131VG2A (R). PEB-2131VG2A.ESB.N270.945GSE.ICH7.w/DDRII SDRAM/VGA/LVDS/Dual GbE/Audio
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OPTIONAL

Part No.	QTY	Description
B6901970	1	USB Cable
B7866130	1	COM port cable

SYSTEM

CPU	Intel® ATOM™ N270 1.6GHz in FCBGA package FSB: 533MHz
Chipset	Intel® 945GSE and ICH7M
System Memory	Up to 2GB DDR2 533 SDRAM on one SODIMM socket
BIOS	Award
SSD	CF: Support one Compact Flash socket
Storage Devices	SATA: Support two SATA 150 drives
Watchdog Timer	Programmable via S/W from 1sec. to 255min.
Expansion Interface	One Mini-PCI Express socket
Hardware Monitoring	FAN Speed(System), Temperature(CPU and System) Vcore, 12V, 5V, 3.3V, VBAT
Power Requirement	12V DC In
Dimension	146(L) x 102(W) mm; 5.75"(L) x 4.0"(W)
Environment	Operation temperature: 0~60° C Storage temperature: -20~80° C Operation humidity: 5~95%, non-condenson

I/O

MIO	Two SATA ports and RS232 x4 with power as pin header type
Ethernet	Two Gigabit Ethernet with RJ45 connectors, IEEE802.3 10/100/1000BASE-T Compliant
Audio	High Definition Audio with Audio Amplifier (one Line-out jack and Line-out/Line-in/Mic-in header)
USB	2 x USB 2.0 ports and 4 x USB with header
Keyboard & Mouse	PS/2 Keyboard & Mouse with on board pin header

DISPLAY

Graphic Controller	Intel® 945GSE integrated Graphics Media Accelerator (Intel® GMA 950)
Graphic Memory	Dynamic share system memory up to 224MB (Intel® DVMT 3.0) or static share System memory up to 128MB
Display Interface	- Support CRT, 18bit/24bit LVDS, display interfaces - CRT display resolution up to 2048x1536 @ 85Hz refresh



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