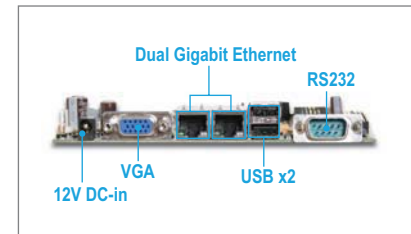
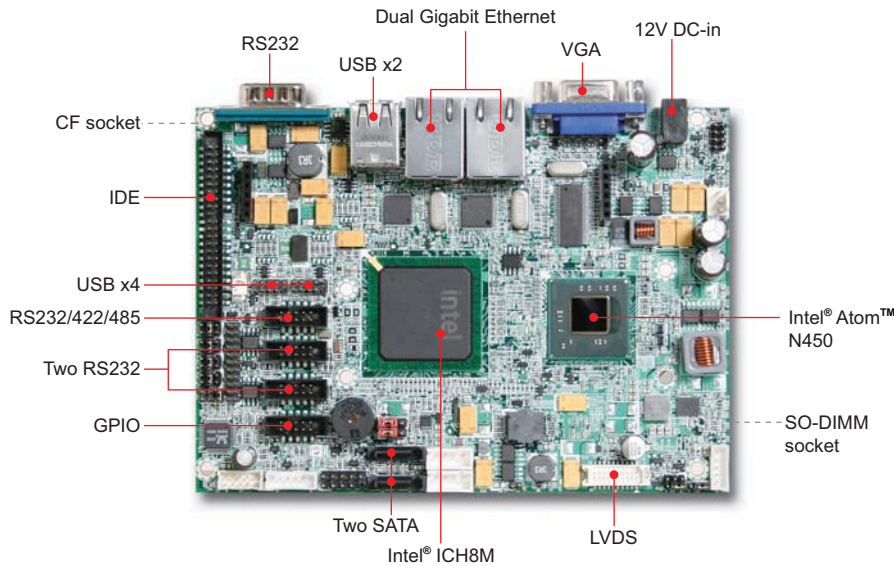


# PEB-2780VG2A

3.5" Embedded size, Based on Intel® 45nm Low Power Pineview processor with DDR2 SODIMM, dual display by VGA/LVDS, Dual GbE, Audio, COM and USB



Rear I/O

## FEATURES

- Intel® Atom™ processor N450/D510 and ICH8M chipset
- One 200-pin SO-DIMM support DDR2 667 SDRAM up to 2GB
- Dual independent display: VGA/18bit LVDS
- Dual Gigabit Ethernet
- Customization (Extension card): BTB connector with PCIE x1 signal
- Storage: One PATA/One Compact Flash/Two SATA ports
- 12V DC input

## PACKING LIST

- CPU heatsink x1
- Utility CD x1
- SATA cable x1
- SATA power cable x1

## ORDERING GUIDE

<b>Standard</b>	<b>PEB-2780VG2A</b> 3.5" Embedded size, Based on Intel 45nm Low Power Pineview processor with DDR2 SODIMM, Dual display by VGA/LVDS, Dual GbE, Audio, COM and USB
-----------------	--

## OPTIONAL

Part No.	QTY	Description
B690004S	1	IDE cable

## SYSTEM

CPU	Intel® Atom™ processor N450/D510
Chipset	Intel® ICH8M
System Memory	One 200-pin SO-DIMM support DDR2 667 up to 2GB
BIOS	AMI
SSD	Type II CompactFlash socket
Storage Devices	One 44-pin IDE connector and two SATA ports
Watchdog Timer	Programmable via S/W from 1sec. to 255min.
Expansion Interface	One connector with PCIE x1 signal for daughter board
Hardware Monitoring	- Temperature (CPU and System) - Voltage (CPU Vcore, VBAT, 5VSB, 12V, 5V, 3.3V)
Power Requirement	12V DC Input
Dimension	146(L) x 105(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-condensation

## I/O

MIO	One IDE, two SATA ports, three serial ports: One DB9 & three box headers, one CF socket and one PCIE x1 header
Ethernet	Dual RJ45 Gigabit Ethernet
Audio	High Definition Audio with one Line-out/Mic-in header
USB	2 x USB 2.0 ports and 4 x USB 2.0 with header
Keyboard & Mouse	One K/B & M/S pin header

## DISPLAY

Graphic Controller	Intel® Atom™ processor (N450) Integrated Intel® DX9 graphics
Graphic Memory	Intel® Dynamic Video Memory Technology 4.0
Display Interface	18bit LVDS/VGA



Portwell, Inc. **Headquarters**

No. 242, Bo-Ai St., Shu-Lin City, Taipei County 238, Taiwan  
Tel: +886-2-77318888  
Fax: +886-2-77319888  
E-mail: info@portwell.com.tw  
http://www.portwell.com.tw

American Portwell

Fremont CA Tel: +1-510-403-3399  
Norcross GA Tel: +1-678-969-9808  
E-mail: info@portwell.com  
http://www.portwell.com

Portwell Japan, Inc.

Tokyo Tel: +81-3-5298-8071  
Osaka Tel: +81-6-4807-7720  
E-mail: info@portwell.co.jp  
http://www.portwell.co.jp

Beijing Portwell

Beijing Tel: +86-10-82701616  
Shanghai Tel: +86-21-3222-0505  
Shenzhen Tel: +86-755-8621-7695  
E-mail: info@portwell.com.cn  
http://www.portwell.com.cn

Portwell-Laxsons India

Tel: +91-22-2685-9911  
E-mail: info@portwellaxsons.com  
http://www.portwellaxsons.com

Portwell, B.V.

Tel: +31-252-620790  
E-mail: info@portwell.nl  
http://www.portwell.nl

Portwell (UK) Ltd.

Tel: +44(0)1235-750760  
E-mail: info@portwell.co.uk  
http://www.portwell.co.uk