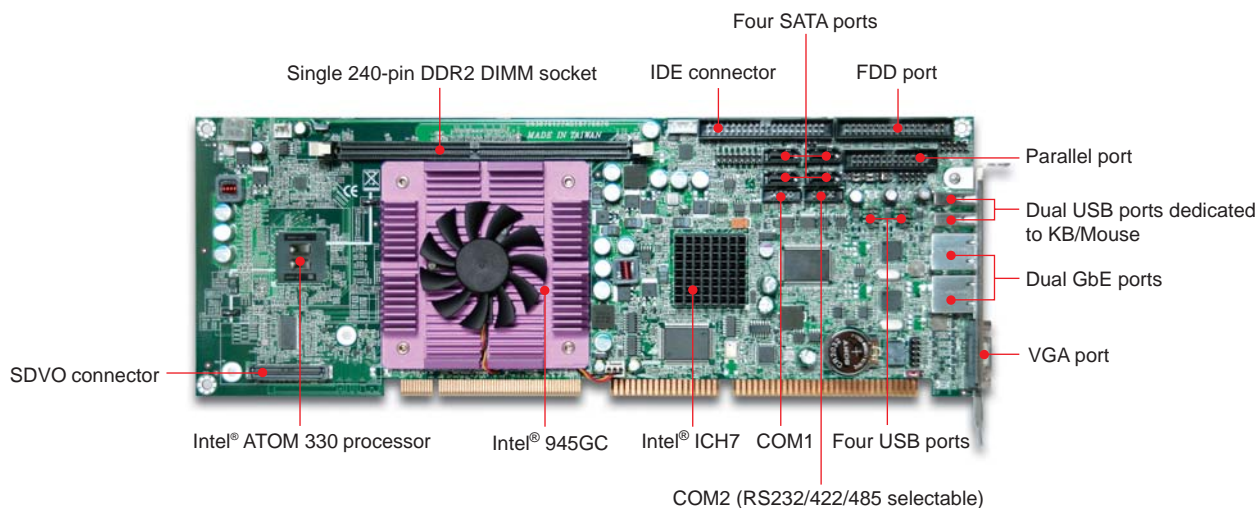




ROBO-8776VG2

45nm Intel® ATOM 330 1.6GHz Dual Core processor based PICMG 1.0 SBC with DDR2 SDRAM, VGA and Dual Gigabit Ethernet



FEATURES

- On-Board 45nm Intel® ATOM 330 1.6GHz Dual Core processor generates only TDP 8W for low heat solution
- Ideal replacement in terms of cost, functionality and performance
- Support VGA display and flexible SDVO connector for other types display by project
- Rich I/O connections such as IDE, FDD, Gigabit Ethernet, serial ports, parallel port, USB 2.0, and SATA ports

GENERAL

Processor	CPU & Package: 45nm Intel® ATOM 330 1.6GHz Dual Core processor FSB: 533MHz
Chipset/Core Logic	Intel® 945GC and ICH7
System Memory	Up to 2GB DDR2 667/533/400 SDRAM on one 240-pin DIMM socket
BIOS	Award BIOS
Storage Devices	EIDE: Support one EIDE devices with Ultra DMA 100/66/33 SATA: Support four SATA 300 drives
Solid State Disk	N/A
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	N/A
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	N/A
Dimension	Dimension: 338.5(L) x 122(W) mm ; 13.33"(L) x 4.8"(W) PCB: 6-layer
Environment	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	N/A

ORDERING GUIDE

Standard	ROBO-8776VG2 45nm Intel® ATOM 330 1.6GHz Dual Core processor based PICMG 1.0 SBC with DDR2 SDRAM, VGA, and Dual Gigabit Ethernet
Optional	PA-M5A Audio Kit PS/2 Keyboard/Mouse Cable with Bracket PS/2 keyboard/mouse connectors on bracket DVI output card DVI output card via board to board SDVO connector

* Specifications are subject to change without notice.

* Celeron®, Pentium® III, Pentium® 4 and Xeon™ are registered trademarks of Intel® Corporation

* Other trademarks, logo, brands and company names are the property of their respective owners

I/O

MIO	Two serial (RS-232x1, selectable RS-232/422/485x1), one parallel and one FDD channel
IrDA	N/A
Ethernet	- Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet - PCI Express x1 interface based Gigabit Ethernet - Dual RJ-45 connectors with two LED indicators
Audio	AC'97 interface reserved
USB	Six USB 2.0 ports (Dual ports on bracket)
Keyboard & Mouse	Two USB 2.0 ports on bracket dedicated to keyboard & mouse

DISPLAY

Graphic Controller	GMCH integrated Intel® Graphics Media Accelerator (GMA) 950
Graphic Memory	Intel® Dynamic Video Memory Technology (DVMT) 3.0 shares system memory up to 128MB
Display Interface	Support Analog VGA up to 2048 x 1536



Portwell, Inc. (Headquarters)

4F, No. 186, Jian-Yi Rd., Chung-Ho City,
235 Taipei, Taiwan
Tel: +886-2-77318888
Fax: +886-2-82271109
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: +81-3-4807-7721
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.
Beijing 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