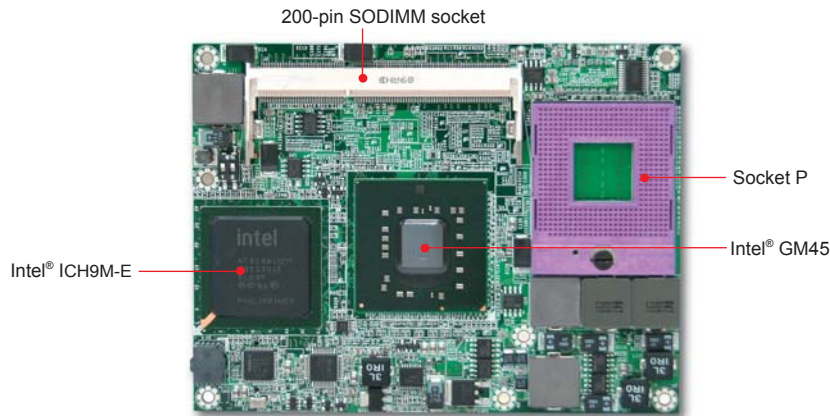


# PCOM-B213VG

Intel® GM45 platform based Type II COM Express module with DDR3 SDRAM, VGA, Gigabit Ethernet, SATA and USB



## FEATURES

- The Intel® 45 nm Core™ 2 Quad/Core™ 2 Duo processor features dual core/quad core technology that provides latest semiconductor technology
- Intel® GM45 integrated GMA 4500MHD graphic provides extreme 3D performance for media applications
- Intel® GM45 platform brings latest IAMT 4.0 and ITPM for powerful management and cryptal functions
- Architecture of module and carrier boards speeds up time-to-market of tailor-made equipment
- Support two SODIMM socket and up to 8GB memory size

## GENERAL

|                     |   |
|---------------------|---|
| Processor           | CPU & Package: Intel® 45nm Core™ 2 Quad/Core™ 2 Duo FSPGA package<br>FSB: 667/800/1066 MHz  |
| Chipset/Core Logic  | Intel® GM45 and ICH9M-E   |
| System Memory       | Up to 8GB DDR3 667/800/1066 SDRAM on two SODIMM socket  |
| BIOS                | AMI BIOS  |
| Storage Devices     | EIDE: Support one EIDE channel with Ultra DMA 100/66/33<br>SATA: Support four SATA 300 drives   |
| Solid State Disk    | N/A   |
| Watchdog Timer      | N/A   |
| Expansion Interface | - One PCI Express x16, multiplexed with SDVO interface<br>- Four PCI Express x1<br>- Four PCI devices<br>- LPC Interface<br>- High definition audio interface |
| Hardware Monitoring | CPU Voltage and Temperature   |
| Power Requirement   | TBA   |
| Dimension           | Dimension: 125(L) x 95(W) mm  |
| Environment         | Operation Temperature: 0~60 °C<br>Storage Temperature: -20~80 °C<br>Operation Humidity: 5~90%   |

## ORDERING GUIDE

|                 |   |
|-----------------|---|
| <b>Standard</b> | PCOM-B213VG<br>Intel® GM45 platform based Type II COM Express module with DDR3 SDRAM, VGA, Gigabit Ethernet and USB |
|-----------------|---|

\* Specifications are subject to change without notice.

\* Celeron M® and Pentium® M are registered trademarks of Intel Corporation.

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



## I/O

|                  |                                 |
|------------------|---------------------------------|
| MIO              | N/A                             |
| IrDA             | N/A                             |
| Ethernet         | One Gigabit Ethernet Controller |
| Audio            | N/A                             |
| USB              | Eight USB ports                 |
| Keyboard & Mouse | N/A                             |

## DISPLAY

|                    |  |
|--------------------|--|
| Graphic Controller | Intel® GM45 integrated Graphics Media Accelerator 4500MHD (Intel® GMA 4500MHD)                                     |
| Graphic Memory     | Dynamic share system memory (Intel® DVMT 5.0)  |
| Display Interface  | - Support CRT, LVDS, TV-out and SDVO display interfaces<br>- CRT display resolution up to 2048x1536 @ 85Hz refresh |



### 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: +81-6-4807-7721  
E-mail: info@portwell.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