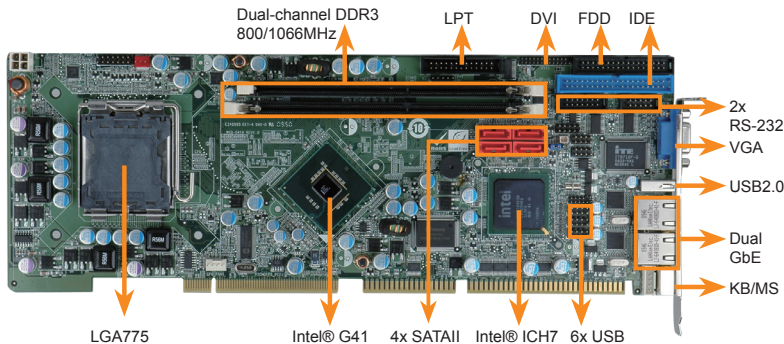


# WSB-G41A

PICMG 1.0 with Intel® G41 support LGA775 Intel® Core™ 2 Quad CPU Card With VGA, DDR3, Dual PCIe GbE, SATAII, COM, USB 2.0, RoHS



DDR3/  
Quad Core CPU  
support



| Intel® GMCH         | G41                                        | Q35                 | 945G              |
|---------------------|--------------------------------------------|---------------------|-------------------|
| Codename            | Eaglelake                                  | Bearlake            | Lakeport          |
| FSB                 | 800/1066/1333 MHz                          | 800/1066/1333 MHz   | 800/1066 MHz      |
| System Memory       | DDR2 (667/ 800 MHz) or DDR3 (800/1066 MHz) | DDR2 (667/ 800 MHz) | DDR2 (667Hz)      |
| Max Memory Size     | 8GB for DDR2<br>4GB for DDR3               | 8GB                 | 4GB               |
| Integrated Graphics | GMAX4500                                   | GMA3100             | GMA950            |
| External Display    | PCIe x16 Gen1                              | PCIe x16 Gen1       | PCIe x16 Gen1     |
| General Features    | DirectX 10                                 | DirectX 9.0         |                   |
| HDMI 1.3            | No                                         | No                  | No                |
| DisplayPort         | Yes                                        | No                  | No                |
| iAMT support        | No                                         | AMT 3.0             | No                |
| Memory channels/    | Dual channels                              | Dual channels       | Dual channels     |
| DIMMs per channel   | 1 DIMMs/channel                            | 2 DIMMs/channel     | 2 DIMMs/channel   |
| ICH Support         | ICH7/R                                     | ICH9DO              | ICH7/R            |
| RAID support        | 0,1,10,5 by ICH7R                          | 0,1,10,5            | 0,1,10,5 by ICH7R |
| IEI Solution        | WSB-G41A                                   | WSB-Q354            | WSB-9454          |

One Key Recovery  
iEi symantec.

## Specifications



- ◆ CPU  
LGA775 45nm Intel® Core™2 Extreme/Quad/Duo, Celeron® processors with 1333/1066/800MHz FSB supports
- ◆ System Chipset  
Intel® G41+ ICH7
- ◆ BIOS  
AMI Flash BIOS
- ◆ System Memory  
2 x 240-pin dual-channel DDR3 800/1066 MHz up to 4GB
- ◆ Ethernet  
Dual PCIe Intel 82583V GbE controller
- ◆ I/O Interface  
2 x RS-232  
7 x USB 2.0 (1 on bracket, 6 on board by pin header)  
4 x SATAII  
1 x IDE  
1 x FDD  
1 x LPT  
1 x Keyboard and mouse (PS/2)  
1 x 5-pin on-board header for KB
- ◆ Digital I/O  
8-bit digital I/O, 4 input/ 4 output
- ◆ Infrared Interface  
1 x Infrared by pin header
- ◆ Super I/O  
ITE IT8718F
- ◆ Display Interface  
VGA Integrated in Intel® G41  
DVI by Silicon Image SIL1362 (WSB-G41A-DVI only)
- ◆ Audio  
10-pin on-board header connects to the IEI Audio kit
- ◆ Watchdog Timer  
Software programmable supports 1 ~255 sec. System reset
- ◆ Power Supply  
AT/ATX Power
- ◆ Power consumption  
5 V @ 7.13A, 12 V @ 0.27A, 5VBS@0.11A, Vcore@3.02A running 3D Mark2001SE with Intel® Core™2 Duo E8500 3.16GHz, DDR3 2GB\*2
- ◆ Temperature  
operation: -10°C~ 60°C
- ◆ Humidity  
operation: 5% ~95 non-condensing
- ◆ Dimensions  
338 mm x 122 mm
- ◆ Weight  
GW: 1.1 Kg

## Features

1. PICMG 1.0 form factor
2. Support Intel® LGA775 Core™ 2 Quad processor up to 1333MHz FSB
3. Dual channel DDR3 800/1066 MHz supports up to 4GB
4. Dual Intel® GbE ethernet, four SATA II, and two RS-232 serial port connectors
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Packing List

|                                              |
|----------------------------------------------|
| 1 x WSB-G41A single board computer           |
| 4 x SATA cable (P/N: 32000-062800-RS)        |
| 1 x Dual RS-232 cable (P/N: 19800-000051-RS) |
| 1 x KB/MS Y cable (P/N: 32000-133200-RS)     |
| 1 x USB cable (P/N CB-USB02-RS)              |
| 1 x IO-KIT-001-R20 ( For WSB-G41A-DVI-R10 )  |
| 1 x Mini Jumper Pack                         |
| 1 x Utility CD                               |
| 1 x QIG (Quick Installation Guide)           |

## Ordering Information

| Part No.            | Description                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------|
| WSB-G41A-R10        | PICMG 1.0 LGA775 Intel® Core™2 Quad CPU Card With VGA, Dual PCIe GbE, SATAII, COM, USB 2.0     |
| WSB-G41A-DVI-R10    | PICMG 1.0 LGA775 Intel® Core™2 Quad CPU Card With VGA/DVI, Dual PCIe GbE, SATAII, COM, USB 2.0 |
| AC-KIT-883HD-R10    | 7.1 channel HD Audio Kit with Realtek ALC883 support dual audio streams                        |
| AC-KIT08R-R10       | 5.1 channel AC'97 audio kit with Realtek ALC655                                                |
| CB-USB14-RS         | 4 ports USB cable                                                                              |
| CF-520-RS-R11       | CPU cooler                                                                                     |
| CF-775A-RS          | CPU cooler                                                                                     |
| 32200-000052-RS     | ATA 66 Flat cable                                                                              |
| 32102-000100-100-RS | SATA power cable                                                                               |
| 32102-000100-200-RS |                                                                                                |
| 32102-000100-300-RS |                                                                                                |
| 19800-000049-RS     | LPT cable                                                                                      |
| 32200-000017-RS     | FDD cable                                                                                      |