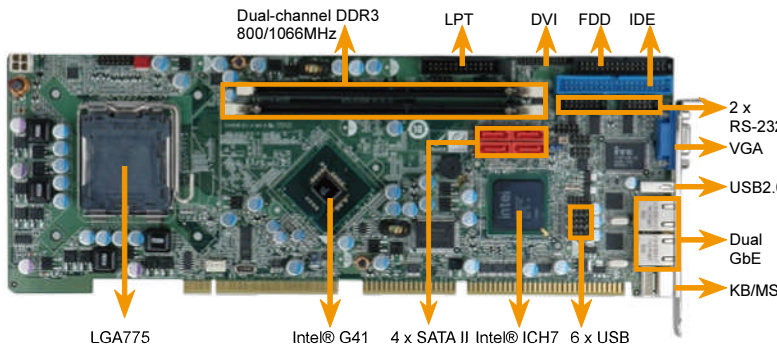


WSB-G41A

PICMG 1.0 with Intel® G41 supports LGA775 Intel® Core™2 Quad CPU Card With VGA, DDR3, Dual PCIe GbE, SATA II, COM, USB 2.0 and Audio, RoHS



Intel® GMCH	G41	Q35	945G
Codename	Eaglelake	Bearlake	Lakeport
FSB	800/1066/1333 MHz	800/1066/1333 MHz	800/1066 MHz
System Memory	DDR3 (800/1066 MHz)	DDR2 (667/800 MHz)	DDR2 (667Hz)
Max Memory Size	8GB for DDR3	8GB	4GB
Integrated Graphics	GMAX4500	GMA3100	GMA 950
External Display	PCIe x16 Gen1	PCIe x16 Gen1	PCIe x16 Gen1
General Features	DirectX 10	DirectX 9.0c	DirectX 9.0c
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 DIMM/channel	2 DIMMs/channel	2 DIMMs/channel
ICH Support	ICH7	ICH9DO	ICH7R
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

Specifications

- ◆ CPU
LGA775 45nm Intel® Core™2 Quad, Core™2 Duo, Pentium® D, Celeron® at FSB 800/1066/1333MHz processors
- ◆ System Chipset
Intel® G41+ ICH7
- ◆ BIOS
AMI BIOS
- ◆ System Memory
Two 240-pin 4GB (max.) 800/1066MHz dual-channel DDR3 SDRAM DIMM supported (System max. 8GB)
- ◆ 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 SATA II
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-bit input/4-bit 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 x 2
- ◆ Temperature
Operation: -10°C~ 60°C
- ◆ Humidity
Operation: 5% ~95 non-condensing
- ◆ Dimensions
338 mm x 122 mm
- ◆ Weight
GW: 1100g

Features

1. PICMG 1.0 form factor
2. Support Intel® LGA775 Core™ 2 Quad processor up to 1333 MHz FSB
3. Dual channel DDR3 800/1066MHz supports up to 8 GB
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: 32006-000300-100-RS)	
1 x IO-KIT-001-R20 (For WSB-G41A-DVI-R10)	
1 x USB cable (P/N: CB-USB02-RS)	1 x QIG
1 x Mini jumper pack	1 x Utility CD

Ordering Information

Part No.	Description
WSB-G41A-R10	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
WSB-G41A-DVI-R10	PICMG 1.0 with Intel G41 support LGA775 Intel Core 2 Quad CPU Card With VGA/DVI,DDR3,Dual PCIe GbE,SATAII,COM,USB 2.0,RoHS
AC-KIT-888HD-R10	7.1 channel HD Audio kit with Realtek ALC888 support dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with Realtek ALC655
19800-000100-200-RS	4-port USB cable with bracket
CF-775A-RS	CPU cooler for 130W
CF-520-RS-R11	CPU cooler for 115W
CF-775B-RS	1U CPU cooler for 90W
32200-000052-RS	ATA 66 flat cable
32102-000100-200-RS	SATA power cable
19800-000400-100-RS	LPT cable
32200-000017-RS	FDD cable

1 Industrial Computing Solutions

2 Video Capture Solutions

3 Embedded Computing Solutions

4 Industrial Data Collector and Controller

5 Panel Solutions Introduction

6 ORing Network Communication

7 Power Supply/ Peripherals