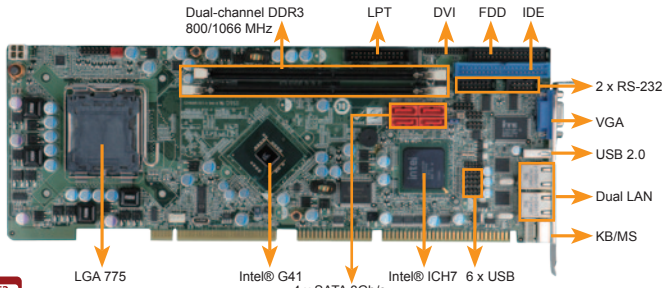


WSB-G41A-R11

PICMG 1.0 CPU Card with Intel® G41 supports LGA 775 Intel® Core™2 Quad, VGA, DDR3, Dual PCIe GbE, SATA 3Gb/s, COM, USB 2.0, Audio and RoHS



Features

- PICMG 1.0 form factor
- Supports Intel® LGA 775 Core™2 Quad processor up to 1333 MHz FSB
- Dual-channel 800/1066 MHz DDR3 SDRAM supported up to 8 GB
- Dual Intel® GbE controller, four SATA 3Gb/s, and two RS-232 serial port connectors
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
LGA 775 45nm Intel® Core™2 Quad, Core™2 Duo, Pentium® D, Celeron® processors at FSB 800/1066/1333 MHz
- ◆ System Chipset
Intel® G41 + ICH7
- ◆ BIOS
AMI BIOS
- ◆ System Memory
Two 240-pin 4 GB (max.) 800/1066 MHz dual-channel DDR3 SDRAM DIMMs supported (system max. 8 GB)
- ◆ Ethernet
Dual PCIe Intel® 82583V GbE controller
- ◆ I/O Interface
1 x FDD
1 x IDE
1 x LPT
4 x SATA 3Gb/s
7 x USB 2.0 (1 on bracket, 6 on board by pin header)
- ◆ Digital I/O
8-bit digital I/O
- ◆ 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, two 2 GB DDR3
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Storage Temperature: -20°C ~ 70°
- ◆ Operating Humidity
5% ~ 95%, non-condensing
- ◆ Dimensions: 338 mm x 122 mm
- ◆ Weight (GW): 1100g

Packing List

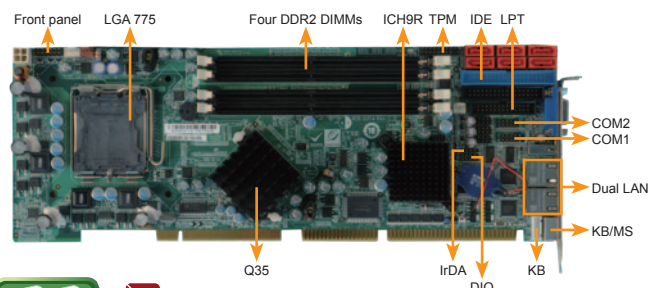
1 x WSB-G41A single board computer	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	
1 x I/O-KIT-001-R20 (For WSB-G41A-DVI-R10)	
1 x KB/MS Y cable (P/N: 32006-000300-100-RS)	
1 x USB cable (P/N: 19800-003100-300-RS)	1 x Mini jumper pack
4 x SATA cable (P/N: 32000-062800-RS)	1 x QIG
1 x One Key Recovery CD	1 x Utility CD

Ordering Information

Part No.	Description
WSB-G41A-R11	PICMG 1.0 CPU card with Intel® G41 supports LGA 775 Intel® Core™2 Quad CPU, VGA, DDR3, dual PCIe GbE, SATA 3Gb/s, COM, USB 2.0 and RoHS
WSB-G41A-DVI-R11	PICMG 1.0 CPU card with Intel® G41 supports LGA 775 Intel® Core™2 Quad CPU, VGA/DVI, DDR3, dual PCIe GbE, COM, SATA 3Gb/s, USB 2.0 and RoHS
19800-000049-RS	LPT cable
19800-000100-200-RS	4-port USB cable with bracket
32102-000100-200-RS	SATA power cable
32200-000017-RS	FDD cable
32225-002000-200-RS	ATA 66 flat cable
AC-KIT08R-R10	5.1-channel AC'97 audio kit with Realtek ALC655
AC-KIT-892HD-R10	7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams
CF-520-RS-R11	CPU cooler for 115W
CF-775A-RS	CPU cooler for 130W
CF-775B-RS-R11	1U CPU cooler for 90W

WSB-Q354-R41

PICMG 1.0 CPU Card supports Intel® LGA 775 Core™2 Duo CPU in 45nm process at FSB 800/1066/1333 MHz, Intel® Q35 & ICH9R, VGA, dual PCIe GbE, Six SATA 3Gb/s with RAID, IDE, FDD, LPT, USB 2.0



Features

- PICMG 1.0 and RoHS compliant
- Supports Intel® LGA 775 Core™2 Duo processor in 45 nm process (Wofdale) 1333/1066/800 MHz FSB
- Intel® Q35 & ICH9R platform
- Six SATA 3Gb/s with Intel® Matrix Storage Technology supported
- Dual Realtek RTL8111E GbE with ASF 2.0
- TPM 1.2 IT security solution supported
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
LGA 775 45nm Intel® Core™2 Quad (Yorkfield), Core™2 Duo (Wofdale), Celeron® at FSB 800/1066/1333 MHz processors
- ◆ System Chipset
Intel® Q35 + ICH9R
- ◆ BIOS
AMI BIOS
- ◆ System Memory
4 x 240-pin 800/667 MHz dual-channel DDR2 SDRAM (system max. 8 GB)
- ◆ Ethernet
Dual Realtek RTL8111E GbE with ASF 2.0
- ◆ I/O Interface
1 x 5-pin on-board header for KB
1 x FDD
1 x IDE
1 x Keyboard and mouse (PS/2)
1 x LPT
2 x RS-232
6 x SATA 3Gb/s support RAID 0, 1, 10, 5
7 x USB 2.0 (1 on bracket, 6 on board by pin header)
- ◆ Digital I/O
8-bit digital I/O
- ◆ Infrared Interface
1 x Infrared by pin header
- ◆ Audio
10-pin on-board header supports 7.1-channel HD Audio by IEI AC-KIT-892HD-R10
- ◆ Graphics
Analog VGA output
- ◆ TPM 1.2
1 x TPM connector (2x10 pin) (Trusted Platrom Module)
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply
ATX
- ◆ Power Consumption
5V@5.97A, 5Vsb@0.07A, 12V@0.29A, Vcore@2.97A (Intel® Core™2 Duo E8500 3.16 GHz, four 2 GB 800 MHz DDR2 running 3DMark 2001SE)
- ◆ Operating Temperature
0°C ~ 60°C (32°F ~ 140°F)
- ◆ Storage Temperature
-10°C ~ 70°
- ◆ Operating Humidity
5% ~ 95%, non-condensing
- ◆ Dimensions: 338 mm x 122 mm
- ◆ Weight (GW): 1.1 kg

Packing List

1 x WSB-Q354 single board computer	
1 x ATA 66 flat cable (P/N: 32225-002000-200-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 Mini jumper pack
1 x USB cable (P/N: 19800-003100-300-RS)	1 x One Key Recovery CD
3 x SATA power cable (P/N: 32102-000100-200-RS)	1 x QIG
6 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD

Ordering Information

Part No.	Description
WSB-Q354-R41	PICMG 1.0 CPU card supports Intel® LGA 775 Core™2 Duo CPU in 45nm process at 800/1066/1333 MHz FSB, Intel® Q35 & ICH9R, VGA, dual PCIe GbE, six SATA 3Gb/s with RAID, IDE, FDD, LPT, USB 2.0
32225-002000-200-RS	IDE flat cable
AC-KIT-892HD-R10	7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams
CF-520-RS-R11	High performance CPU cooler (115 mm x 115 mm x 67 mm, 115W)
CF-775A-RS	High performance CPU cooler (92 mm x 92 mm x 73 mm, 130W)
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware v3.17