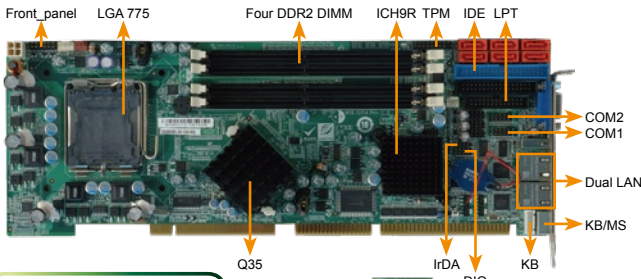


## WSB-Q354-R40

PICMG1.0 CPU Card supports Intel® LGA 775 Core 2 Duo CPU in 45nm process at FSB800/1066/1333MHz, Intel® Q35 & ICH9R, VGA, Dual PCIe GbE, Six SATA II with RAID, IDE, FDD, LPT, USB2.0



### Features

1. PICMG1.0 and RoHS compliant
2. Supports Intel® LGA775 Core™2 Duo processor in 45 nm Process (Wofldale) at FSB 1333/1066/800MHz
3. Intel® Q35 & ICH9R Platform
4. 6 SATA II with Intel Matrix storage technology supported
5. Dual Broadcom PCIe GbE
6. TPM1.2 IT security solution supported
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

### Specifications

- ◆ CPU  
LGA775 45nm Intel® Core™2 Quad (Yorkfield), Core™2 Duo (Wofldale), Celeron at FSB800/1066/1333MHz processors
- ◆ System Chipset  
Intel® Q35 + ICH9R
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
4 x 240pin DIMM socket dual channel DDRII at 800/667MHz up to 8GB
- ◆ Ethernet  
Dual Realtek RTL8111E GbE with ASF 2.0
- ◆ IO Interface  
2 x RS-232  
7 x USB2.0  
(1 on bracket, 6 on board by pin header)  
6 x SATA II support RAID 0, 1, 10, 5  
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
- ◆ Audio  
10-pin on-board header supports 7.1 channel HD Audio by IEI AC-KIT-888HD-R10
- ◆ Graphic  
Analog VGA output
- ◆ TPM1.2  
1 x 20-pin on-board header for TPM (Trusted Platform Module)
- ◆ Watchdog Timer  
Software programmable supports 1~255sec. 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, DDR2 800MHz 2GB x 4 running 3DMark 2001SE)
- ◆ Temperature  
Operation: 0°C ~ 60°C (32°F~140°F)
- ◆ Humidity  
Operation: 5% ~ 95% non-condensing
- ◆ Dimensions  
338 mm x 122 mm
- ◆ Weight  
GW:1.1 kg

### Packing List

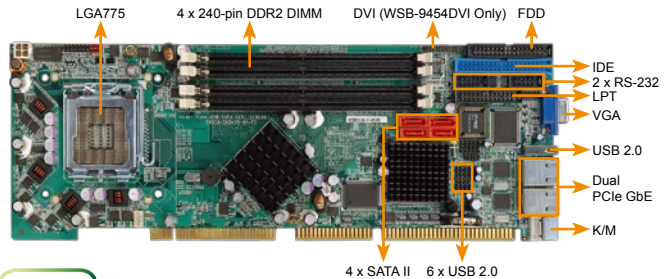
1 x WSB-Q354 single board computer	
6 x SATA cable (P/N: 32000-062800-RS)	
3 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	
1 x KB/MS Y-cable (P/N: 32006-000300-100-RS)	
1 x USB cable (P/N: CB-USB02-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

### Ordering Information

Part No.	Description
WSB-Q354-R40	PICMG1.0 CPU Card supports Intel® LGA 775 Core™2 Duo CPU in 45nm process at FSB800/1066/1333MHz, Intel® Q35 & ICH9R, VGA, Dual PCIe GbE, Six SATA II with RAID, IDE, FDD, LPT, USB2.0
AC-KIT-888HD-R10	7.1 Channel HD audio kit with Realtek ALC888 supports dual audio streams
CF-775A-RS	High Performance CPU cooler (92 mm x 92 mm x 73 mm, 130W)
CF-520-RS-R11	High Performance CPU cooler (115 mm x 115 mm x 67 mm, 115W)
TPM-IN01-R11	20-Pin Infineon TPM module, software management tool, firmware V3.17
32200-000052-RS	IDE flat cable

## WSB-9454-R40

Full-size PICMG 1.0 CPU card supports LGA775 Intel® Core™ 2 Duo, Pentium® D, Pentium® 4 and Celeron® D processors and comes with VGA or DVI, dual PCIe GbE LAN and 3.0 Gbps SATA II interfaces



### Features

1. Supports LGA775 Intel® Core™2 Duo, Pentium® 4, Pentium® D and Celeron® D processors with a 533 MHz, an 800 MHz or a 1066 MHz FSB
2. Dual Core processors combined physically
3. Enhanced technology for better power consumption
4. Intel® EMT64 Technology support future 64-bit OS appliance
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

### Specifications

- ◆ CPU  
LGA775 Intel® Core™2 Duo, Pentium® D, Pentium® 4, and Celeron® D desktop processors with a 533 MHz, 800 MHz or 1066MHz FSB
- ◆ System Chipset  
Intel® 945G+ ICH7
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
Four 240-pin 1 GB (max.) 667 MHz, 533 MHz or 400 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 4 GB)
- ◆ Ethernet  
Dual Realtek RTL8111E PCIe GbE chipset with ASF2.0
- ◆ I/O Interface  
7 x USB 2.0 (1 on bracket, 6 on board)  
1 x IDE  
1 x FDD  
1 x LPT  
4 x SATA II  
1 x Infrared  
1 x Keyboard and mouse (PS/2)  
1 x 5-pin header for keyboard
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/4-bit output
- ◆ Display Interface  
VGA integrated in Intel® 945G (WSB-9454DVI only)
- ◆ Audio  
5.1 Channel AC'97 audio kit with realtek ALC655 codec  
7.1 Channel HD audio kit with realtek ALC888 support dual audio streams
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply  
AT/ATX power
- ◆ Power Consumption  
5V@7.68A, 12V@0.15A, Vcore@2.26A (Intel® Core™ 2 Duo E7400 2.8 GHz/1066 MHz CPU with 4 x 1 GB DDR2 800 MHz)
- ◆ Temperature  
Operating: 0°C ~ 60°C (32°F~140°F)
- ◆ Humidity  
Operation: 5% ~ 95% non-condensing
- ◆ Dimensions  
338 mm x 122 mm
- ◆ Weight  
GW:1.2 Kg

### Packing List

1 x WSB-9454 single board computer	
1 x ATA 66 flat cable (P/N:32200-000052-RS)	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	
1 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x KB/MS Y-cable (P/N:32006-000300-100-RS)	
1 x IO-KIT-001-R20 (DVI model only)	1 x Mini jumper pack
2 x SATA cable (P/N: 32000-062800-RS)	1 x USB cable (P/N:CB-USB02-RS)
1 x Utility CD	1 x QIG

### Ordering Information

Part No.	Description
WSB-9454-R40	PICMG1.0 Intel® Core™2 Duo, Pentium® 4/D/ Celeron® D 1066 MHz processor, VGA, Dual PCIe GbE, and SATA II.
WSB-9454DVI-R40	PICMG1.0 Intel® Core™2 Duo, Pentium® 4/D/ Celeron® D 1066 MHz processor, VGA/ DVI, Dual PCIe GbE, and SATA II.
AC-KIT-888HD-R10	7.1 channel HD audio kit with realtek ALC888 supports dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with realtek ALC655 code
CF-775A-RS	High performance CPU cooler (92mm x 92mm x 73mm,130W)
CF-520-RS-R11	High performance CPU cooler (115mm x 115mm x 67mm,115W)
32200-000017-RS	FDD cable
19800-000400-100-RS	LPT cable

1

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2

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