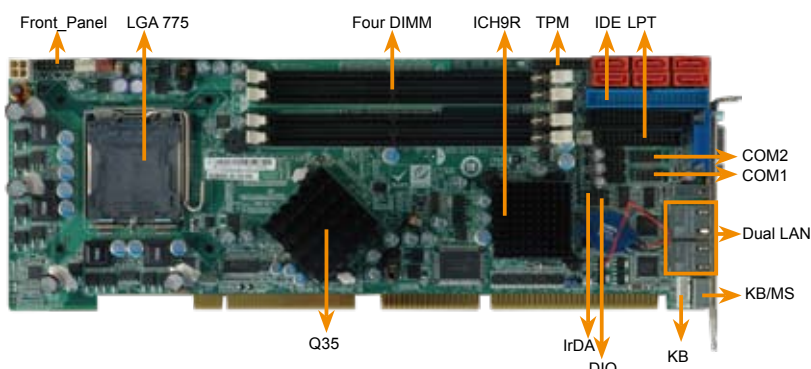


# WSB-Q354

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



Dual DDR2  
667

FSB1066

Intel® Matrix  
Storage Manager



TPM 1.2 Support

Generation	Core Duo / Core 2 Duo / Core 2 Quad	
	65nm	45nm
CPU	<b>Quad Core</b> <p>Yorkfield</p> <ul style="list-style-type: none"> <li>Quad Core</li> <li>Up to 12MB L2</li> <li>95W/130W TDP</li> <li>FSB1333/1066/800MHz</li> </ul>	<p>Yorkfield Wolfdale</p> <ul style="list-style-type: none"> <li>Quad Core</li> <li>Up to 12MB L2</li> <li>95W/130W TDP</li> <li>FSB1333/1066/800MHz</li> </ul>
	<b>Dual Core</b> <p>Wolfdale</p> <ul style="list-style-type: none"> <li>Dual Core</li> <li>Up to 6MB L2</li> <li>65W TDP</li> <li>FSB1333/1066/800MHz</li> </ul>	<p>Wolfdale</p> <ul style="list-style-type: none"> <li>Dual Core</li> <li>Up to 6MB L2</li> <li>65W TDP</li> <li>FSB1333/1066/800MHz</li> </ul>
FSB	1066 / 800 / 533MHz	1333 / 1066 / 800MHz

IEI Solution  
PCIE-Q350  
IMB-Q354  
WSB-Q354

IEI Solution  
PCIE-Q350  
IMB-Q354  
WSB-Q354

## Specifications

- ◆ CPU  
LGA775 45nm Intel® Core™2 Quad (Yorkfield), Core™2 Duo (Wolfdale), Celeron at FSB800/1066/1333MHz processors
- ◆ System Chipset  
Intel® Q35 + ICH9R
- ◆ BIOS  
AMI BIOS Label with 8Mb SPI EEPROM
- ◆ System Memory  
4 x 240pin DIMM socket dual channel DDRII at 800/667MHz up to 8GB
- ◆ Ethernet  
Dual Broadcom BCM5787M 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-KIT883HD
- ◆ 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  
3.3 V @ 0.03 A, 5 V @ 8.62 A, 5 Vsb @ 0.11 A, 12 V @ 0.1 A, Vcore@2.29A (Intel® Core™2 Duo E8400, DDR2 800MHz 2GB x 4) 3D Mark 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

## Features

1. PICMG1.0 and RoHS compliant
2. Supports Intel® LGA775 Core™2 Duo processor in 45 nm Process (Wolfdale) 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

## Packing List

1 x WSB-Q354 single board computer
1 x Mini jumper pack
6 x SATA cable (P/N: 32000-062800-RS)
3 x SATA power cable (P/N: 32100-088600-RS)
1 x Dual RS-232 cable (P/N:19800-000051-RS)
1 x USB cable (P/N: CB-USB02-RS)
1 x KB/MS Y-cable (P/N:32000-133200-RS)
1 x Utility CD
1 x QIG

## Ordering Information

Part No.	Description
WSB-Q354-R10	PICMG1.0 CPU Card supports Intel® LGA 775 Core™2 Duo CPU in 45nm proces at FSB800/1066/1333MHz, Intel® Q35 & ICH9R, VGA, Dual PCIe GbE, Six SATA II with RAID, IDE, FDD, LPT, USB2.0
AC-KIT883HD-R10	7.1 Channel HD audio kit with Realtek ALC883 supports dual audio streams
CF-775A-RS	High Performance CPU cooler (115 mm x 115 mm x 67 mm, 130W)
CF-520-RS	High Performance CPU cooler (115 mm x 115 mm x 67 mm, 115W)
TPM-IN01-R10	Infineon 20-pin Trusted Platform Module with S/W Management Tool
TPM-WI01-R10	Winbond 20-pin Trusted Platform Module with S/W Management Tool
32200-000052-RS	IDE flat cable