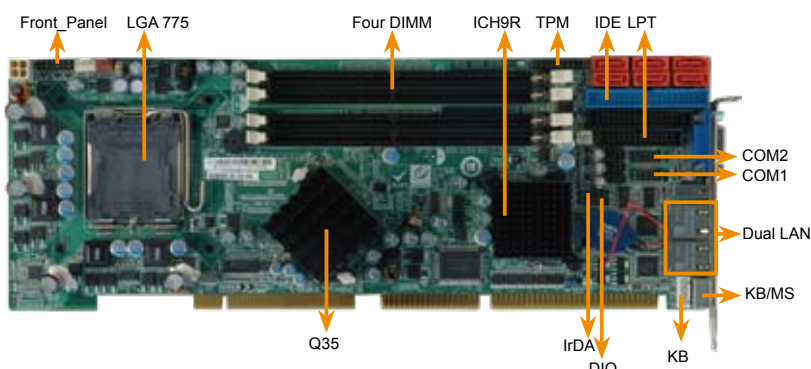


WSB-Q354

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	Quad Core Yorkfield • Quad Core • Up to 12MB L2 • 95W/130W TDP • FSB1333/1066/800MHz IEI Solution	 Yorkfield • Quad Core • Up to 12MB L2 • 95W/130W TDP • FSB1333/1066/800MHz IEI Solution
	Dual Core Wofdale • Dual Core • Up to 6MB L2 • 65W TDP • FSB1333/1066/800MHz IEI Solution	 Wofdale • Dual Core • Up to 6MB L2 • 65W TDP • FSB1333/1066/800MHz IEI Solution
FSB	1066 / 800 / 533MHz	1333 / 1066 / 800MHz

1
Industrial
Computing
Solutions

2
Embedded
Computing
Solutions

3
RISC-Based
Embedded
Solutions

4
Industrial
Data
Collector/
Server
Solutions

5
Video
Capture
Solutions

6
I/O
Communication
Solutions

7
Panel
Solutions

8
Power Supply/
Network
Communication/
Peripherals

Specifications

- ◆ CPU
LGA775 45nm Intel® Core™2 Quad (Yorkfield), Core™2 Duo (Wofdale), 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 (Wofdale) 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 process 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