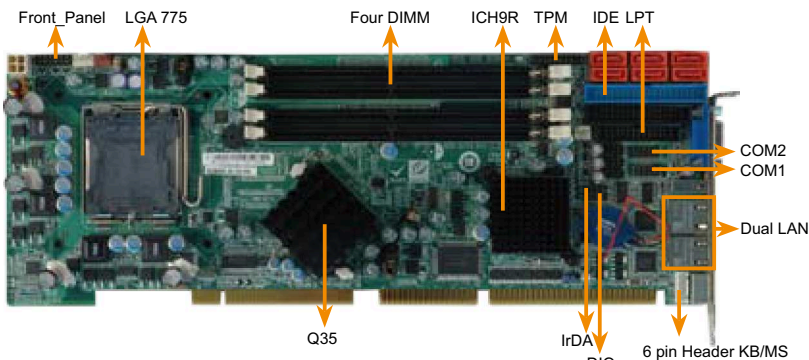


WSB-Q354

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



Dual DDR2
667

FSB**1066**



Specifications

- ◆ CPU
LGA775 45nm Intel® Core™2 Quad(Yorkfield), Core™2 Duo (Wofdale), Core™2 Duo, 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 TPM
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
- ◆ IrDA
1 x Infrared
- ◆ Audio
10-pin on-board header supports 7.1 channel HD Audio by IEC 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 126 mm
- ◆ Weight
GW:1.1kg

| 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 <table border="1"> <tr><td>PCIE-Q350</td></tr> <tr><td>IMB-Q354</td></tr> <tr><td>WSB-Q354</td></tr> </table> | PCIE-Q350 | IMB-Q354 | WSB-Q354 | Yorkfield • Quad Core • Up to 12MB L2 • 95W/130W TDP • FSB1333/1066/800MHz IEI Solution <table border="1"> <tr><td>PCIE-Q350</td></tr> <tr><td>IMB-Q354</td></tr> <tr><td>WSB-Q354</td></tr> </table> | PCIE-Q350 | IMB-Q354 | WSB-Q354 |
| | PCIE-Q350 | | | | | | | |
| IMB-Q354 | | | | | | | | |
| WSB-Q354 | | | | | | | | |
| PCIE-Q350 | | | | | | | | |
| IMB-Q354 | | | | | | | | |
| WSB-Q354 | | | | | | | | |
| Dual Core Wofdale • Dual Core • Up to 6MB L2 • 65W TDP • FSB1333/1066/800MHz IEI Solution <table border="1"> <tr><td>PCIE-Q350</td></tr> <tr><td>IMB-Q354</td></tr> <tr><td>WSB-Q354</td></tr> </table> | PCIE-Q350 | IMB-Q354 | WSB-Q354 | Wofdale • Dual Core • Up to 6MB L2 • 65W TDP • FSB1333/1066/800MHz IEI Solution <table border="1"> <tr><td>PCIE-Q350</td></tr> <tr><td>IMB-Q354</td></tr> <tr><td>WSB-Q354</td></tr> </table> | PCIE-Q350 | IMB-Q354 | WSB-Q354 | |
| PCIE-Q350 | | | | | | | | |
| IMB-Q354 | | | | | | | | |
| WSB-Q354 | | | | | | | | |
| PCIE-Q350 | | | | | | | | |
| IMB-Q354 | | | | | | | | |
| WSB-Q354 | | | | | | | | |
| FSB | 1066 / 800 / 533MHz | 1333 / 1066 / 800MHz | | | | | | |

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: 32000062800-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 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 Intel 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 SW Management Tool |
| 19800-000066-RS | KB/MS cable with bracket |