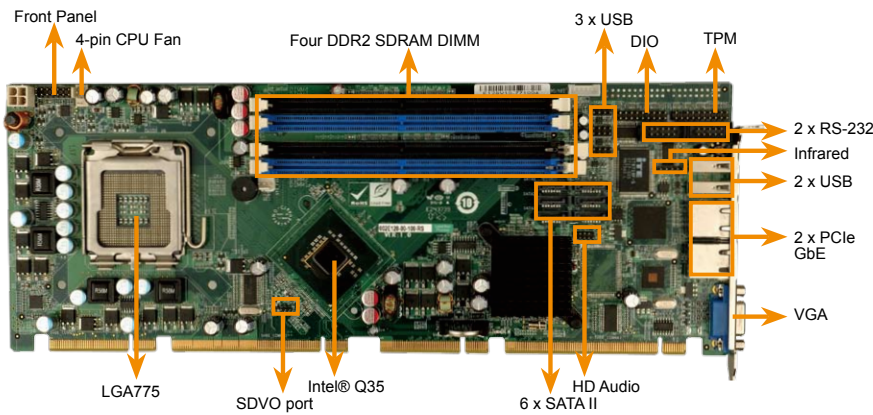


PCIE-Q350-R11

Full-size PICMG 1.3 CPU card supports 45 nm LGA 775 Intel® Core™2 Duo and Core™2 Quad processors with an 800 MHz, 1066 MHz or 1333 MHz FSB and comes with an Intel® Q35 GMCH, ICH9DO I/O controller hub, dual Intel® GbE, SATA II with RAID and USB 2.0



Specifications

- ◆ CPU
LGA 775 Intel® Core™2 Quad, Core™2 Duo, Celeron® processors with a, 800 MHz, 1066MHz, and 1333MHz FSB
- ◆ System Chipset
Intel® Q35 + ICH9-DO
- ◆ BIOS
AMI BIOS Label with 8Mb SPI EEPROM
- ◆ System Memory
Four 240-pin 2 GB (max.) 800 MHz, 667 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 8GB)
- ◆ Ethernet
Dual GbE
LAN1: Intel® 82566DM GbE controller with iAMT support
LAN2: Intel® 82573L GbE controller
- ◆ IO Interface
2 x RS-232
12 x USB 2.0 (2 on bracket, six on SBC, four on backplane by pin header)
6 x SATA II (RAID 0, 1, 5, 10)
1 x Infrared
1 x Digital Input/Output
1 x Keyboard and mouse connector
- ◆ Digital I/O
16-bit Digital I/O, 8-bit input / 8-bit output
- ◆ Infrared interface
1 x Infrared by pin header
- ◆ Audio
10-pin on-board header connects to the IEI AC-KIT883HD 7.1 channel HD Audio kit
- ◆ Graphics
Analog VGA output
SDVO port
- ◆ TPM1.2
1 x 20-pin on-board header for TPM (Trusted Platrom Module)
- ◆ Watchdog Timer
Software Programmable supports 1~255sec. system reset
- ◆ Power Supply
ATX
- ◆ Power Consumption
3.3V@3.0A, 5V@5.1A, 5Vsb@0.28A, 12V-@4.23A
(Intel® Core™2 Duo E6700 2.66 GHz at FSB 1066, 8 GB DDR2 667 MHz, 3DMark 2001)
- ◆ Temperature
Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
Operation: 5% ~95% non-condensing
- ◆ Dimensions
338 mm x 126 mm
- ◆ Weight
GW:1.1 kg

| Generation | Core Duo / Core 2 Duo / Core 2 Quad | | | | | | | |
|---|--|----------------------|----------|---|--|-----------|----------|----------|
| Process | 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 Wolfdale • 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 | Wolfdale • 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 | | | | | | |



TPM 1.2 Support

FSB 1333

DDR2 800



Intel® Matrix Storage Manager

Features

1. PICMG1.3 and RoHS compliant
2. Supports 45nm LGA775 Intel® Core™2 Duo and Core™2 Quad processors
3. Intel® Q35 & ICH9-DO Platform
4. Six SATAII Ports with Intel Matrix storage technology supported
5. Dual Intel® PCIe GbE
6. TPM1.2 IT security solution supported

Packing List

| |
|---|
| 1 x PCIE-Q350 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 Utility CD |
| 1 x QIG |

Ordering Information

| Part No. | Description |
|-----------------|---|
| PCIE-Q350-R11 | PICMG1.3 CPU card supports Intel® 45nm LGA 775 Core™2 Duo/Quad CPU at FSB800/1066/1333 MHz, Intel® Q35 & ICH9DO platform, Dual Intel® GbE, SATA II with RAID, USB |
| AC-KIT883HD-R10 | 7.1 channel HD Audio kit with Realtek ALC883 supports dual audio streams |
| CF-520-RS | High performance CPU cooler (115mm x 115mm x 67mm, 115W) |
| CF-775A-RS | High performance CPU cooler (92 mm x 92 mm x 73 mm,130W) |
| 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 |
| SDVO-100VGA-R10 | PCIe x16 VGA output SDVO card supports dual display (IEI CPU board only) |
| SDVO-100DVI-R10 | PCIe x16 DVI output SDVO card supports dual display (IEI CPU board only) |
| 19800-000075-RS | KB/MS cable with bracket |

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