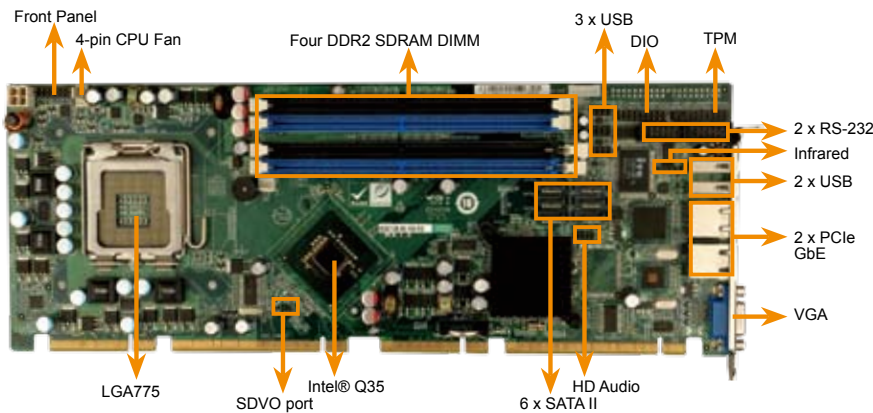


# PCIE-Q350

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



Generation	Core Duo / Core 2 Duo / Core 2 Quad							
Process	65nm	45nm						
CPU	<b>Quad Core</b>  Yorkfield LGA775 • Quad Core • Up to 12MB L2 • 95W/130W TDP • FSB1333/1066/800MHz <b>IEI Solution</b> <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 LGA775 • Quad Core • Up to 12MB L2 • 95W/130W TDP • FSB1333/1066/800MHz <b>IEI Solution</b> <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								
<b>Dual Core</b>  Wolfdale LGA775 • Dual Core • Up to 6MB L2 • 65W TDP • FSB1333/1066/800MHz <b>IEI Solution</b> <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 LGA775 • Dual Core • Up to 6MB L2 • 65W TDP • FSB1333/1066/800MHz <b>IEI Solution</b> <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						

## Specifications

LGA 775 Intel® Core™2 Quad, Core™2 Duo, Pentium® D, Pentium® 4 and Celeron® D 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 or 533 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 connector  
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 Platform 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 2.66GHz at FSB1066, 8GB DDR2 667MHz, 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

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: 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
PCIE-Q350-R10	PICMG1.3 CPU Card supports Intel® 45nm LGA 775 Core™2 Duo/Quad CPU at FSB800/1066/1333MHz, 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