

# IB940

## World's First LGA775 Q965 SBC / CPU Card



(click to zoom)  
[Datasheet in PDF](#)



### FEATURES

- Supports Intel® Core™ 2 Duo processor
- Up to 2.66GHz, 533/800/1066MHz FSB
- DDR2 DIMM x 2, max. 4GB, Single Channel
- Integrated graphics subsystem, GMA3000
- With DVI and 24-bit LVDS support
- 10/100 BaseT or dual Gigabit Ethernet
- 4 x SATA II, 6 x USB 2.0, 2 x COM, Watchdog timer
- Digital I/O, ISA High Drive, Mini PCI-express socket

### IB940 SPECIFICATIONS

#### CPU Socket

LGA775

#### CPU

Intel® Core™ 2 Duo processor

#### CPU Front Side Bus (FSB)

1066MHz / 800MHz / 533MHz

#### Chipset

Intel® Q965 chipset

#### BIOS

Award BIOS, ACPI supported

#### System Memory

Two DDR2 sockets support up to 4GB DDR SDRAM  
533/667/800 SDRAM, single channel

#### Integrated VGA

Integrated Q965 graphics subsystem - GMA3000

#### DVI

Chrontel CH7307C x1 for DVI

#### LVDS

Chrontel CH7308Bx1 for 24-bit single/dual channel  
LVDS

#### Primary LAN

Intel 82566DM Gigabit LAN (for IB940F)

Intel 92562V 10/100 BaseT (for IB940)

#### Secondary LAN (for IB940)

Intel® 82573L PCI-e Gigabit Ethernet

#### Audio

Intel ICH8 built-in high definition audio with Realtek  
ALC888 codec; supports 5.1 CH audio

#### LPC I/O

W83627EHG chipset supports IrDA x 1, Parallel x 1,  
COM1 (RS232), COM2 (RS232/422/485), floppy,  
Hardware Monitor (3 thermal inputs, 4 voltage  
monitor inputs, VIDO-4, 2 fan headers)

#### IDE Interface

JMicron JM368 (PCI-e to PATA) x1 for 1 PATA channel

#### FDD Interface

Supports up to two floppy disk drives: 3.5" and/or  
5.25" drives; 3 Mode support

#### Parallel Port

One parallel port supports SPP/EPP/ECP

#### Serial Ports

One RS-232/422/485 and one RS-232 port

#### Serial ATA II

Intel ICH8 built-in SATA controller (3.0Gb/sec)

Supports 4 ports

#### Watchdog Timer

Generates system reset; 256 levels

#### USB

Supports 6 USB ports, USB 2.0 compliant

#### Keyboard and Mouse Connector

PS/2 type

#### Expansion

Mini PCI-express socket x1 for wireless LAN or other  
module

#### Extra Features

ISA High Drive

PCI to ISA Bridge (ITE 8888)

Digital I/O (4 in, 4 out)

#### Edge Connectors

PS/2 for keyboard/mouse, CRT, RJ45 for LAN1 & LAN2

#### Onboard Connectors & Headers

SATA x4, 40-pin IDE, LVDS x2, DVI, floppy, printer,  
COM1, COM2, CPU fan power, System fan power,  
USB x6

#### Form Factor

Full Size CPU Card

#### Dimensions

338mm x 122mm (13.3" x 4.8")

#### Environmental Factors:

Operating Temperature:

0°C~60°C (32°F~140°F)

Storage Temperature:

-20°C~80°C (-68°F~176°F)

Relative Humidity:

10%~90% (non-condensing)

### ORDERING INFORMATION:

**IB940** - LGA775 Intel® Q965 PICMG Full Size CPU Card with 10/100 LAN, 4x SATA, 6x USB

**IB940F** - LGA775 Intel® Q965 PICMG Full Size CPU Card with dual Gigabit LAN, 4x SATA, 6x USB

**PACKING LIST:**

1 x Drivers CD

1 x User's Manual

Cables: IDE, FDD, SATA, TMDS, COM, LPT, PS2 KB/MS, Audio, USB

**OPTIONS:**

1 x SATA power cable (P/N: PW34)