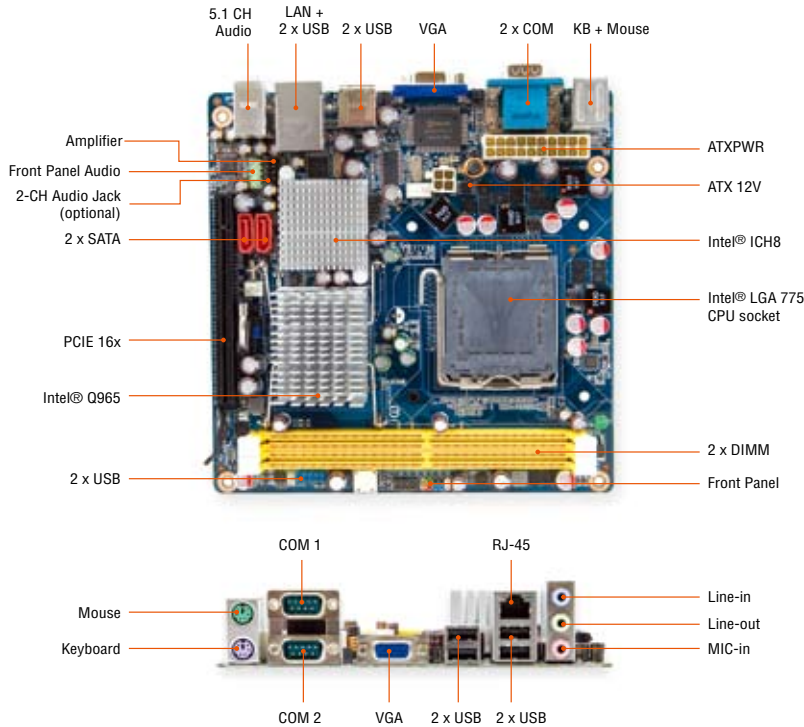


## iQ965-CI

Intel® Q965 LGA775 Core™ 2 Quad Mini ITX Main Board



### Features

- Support 65 nm Intel® Core™ 2 Quad / Core™ 2 Duo / Core™ Duo / Pentium® 4 / Celeron® D CPU
- Intel® 82965Q Express Chipset
- Two DIMMs up to 4 GB 2-CH DDR2 533/667/800 SDRAM
- Intel® Graphic Media Accelerator 3000
- Realtek ALC888 supports 5.1+2 CH Dual Audio Streams
- Realtek RTL8111B PCI-E Gigabit LAN
- 1 PCI-E x16 Slot Supports ADD2 VGA/DVI/LVDS Card
- 2 Powered COM, 6 USB, 2 SATA
- TPM INFINEON SLB9635TT Module Onboard
- TPA3005D2 5W Stereo Amplifier

Intel GMA 3000

2 x Audio Stream

5W amplifier

GigaLAN

PCI-Ex16

TPM

Powered COM

### Specifications

#### System

<b>CPU</b>	Support Intel® LGA 775 Core™ 2 Quad / Core™ 2 Duo / Core™ Duo / Pentium® 4 / Celeron® D processor with 65 nm process technology
<b>FSB</b>	533/800/1066 MHZ
<b>BIOS</b>	Award 8MB
<b>System Chipset</b>	Intel® Q965/ICH8
<b>I/O Chip</b>	Winbond W83627DHG-A
<b>System Memory</b>	Two 240-pin sockets up to 4GB Dual Channel DDR2 533/667/800 SDRAM
<b>Watchdog Timer</b>	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
<b>H/W Status Monitor</b>	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
<b>Expansion</b>	One PCI Express x16
<b>TPM</b>	Infineon SLB 9635 TCG 1.2 compliant trusted platform module (TPM)
<b>S3</b>	S3 Support
<b>SmartFan Control</b>	Yes

#### I/O

<b>MIO</b>	2 x SATA, 2 x RS232, 1 x K/B, 1 x Mouse (COM 1, 2 with power output)
<b>USB</b>	6 x USB 2.0

#### Display

<b>Chipset</b>	Intel® 82Q965 GMCH integrated Graphics Media Accelerator 3000
<b>Display Memory</b>	Intel® DVMT 4.0 supports 256 MB video memory
<b>Resolution</b>	2048 x 1536 @ 32 bpp(@ 75Hz)
<b>VGA/LCD</b>	PCI-E X16 VGA interface
<b>HDMI</b>	Through ADD2 HDMI Card
<b>LVDS</b>	Through ADD2 LVDS Card
<b>DVI</b>	Through ADD2 DVI Card

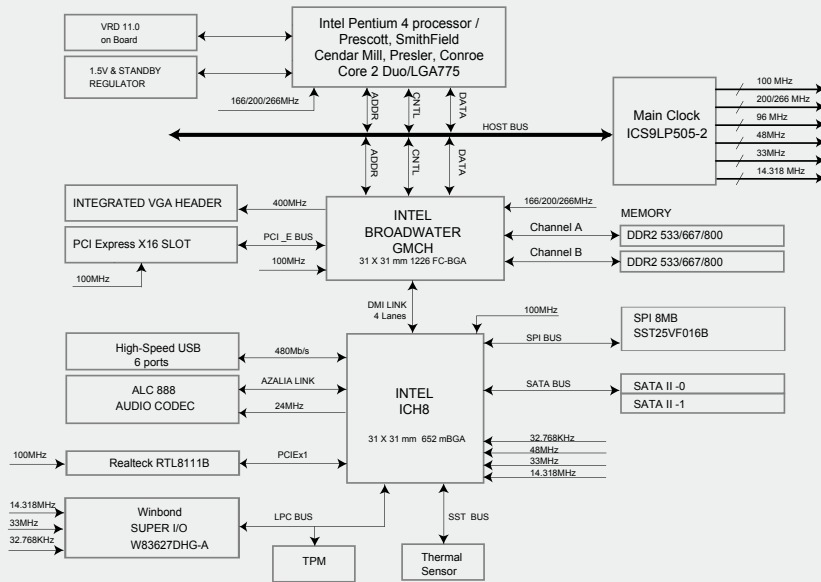
#### Audio

<b>Chipset</b>	Intel® ICH8
<b>Audio Codec</b>	Realtek ALC888 high-definition Audio Codec supports 5.1+2-CH two independent Audio streams
<b>Audio Interface</b>	Mic in, Line in, Line out
<b>Audio Amplifier</b>	TPA3005D2 5W (per front channel) stereo amplifier

#### Ethernet

<b>LAN 1</b>	Realtek RTL8111B PCI-E Gigabit Ethernet Controller
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## Block Diagram



## Ordering information

### iQ965-CI

Intel® Core™ 2 Quad / Core™ 2 Duo / Core™ Duo / Pentium® 4 / Celeron® D Mini ITX Motherboard with VGA, 5.1 + 2 CH Audio, GigaLAN, 2 powered COM, 6 USB, 2 SATA, 1 PCI Ex16, 5W audio amplifier & TPM

### Packing list

<b>80I-Q96500-0A00000</b>	iQ965-CI Mini-ITX motherboard	1
<b>14G000100910</b>	SATA Cable Kit (SATA/POWER)	2

### Back Panel I/O Port

- 1 x PS/2 Keyboard
- 1 x PS/2 Mouse
- 2 x RS-232 (with 5V/12V output)
- 1 x VGA port
- 4 x USB 2.0/1.1
- 1 x RJ45 Port
- Audio I/O (3 Jacks)

### Internal I/O Connector

- 1 x USB connectors support 2 USB ports
- 1 x 20-pin ATX Power connector
- 1 x 4-pin ATX12V Power connector
- 2 x SATA connectors
- 1 x Audio amplifier connector
- 1 x System panel connector
- 1 x CPU Fan connector
- 1 x System Fan connector

### Mechanical & Environmental

<b>Power Type</b>	ATX
<b>Operating Temperature</b>	0~60°C (32~140°F)
<b>Operating Humidity</b>	0%~90% relative humidity, non-condensing
<b>Size (L x W)</b>	6.69" x 6.69" (170 mm x 170 mm)
<b>Weight</b>	0.88 lbs (0.4 Kg)