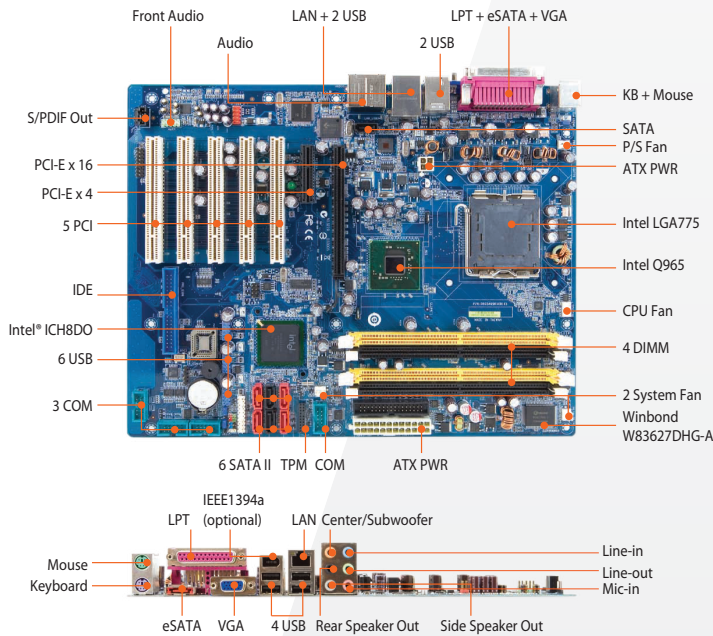


# IQ965-IGA

Intel® Q965 with Core™2 Duo ATX Motherboard



## Features

- Socket 775 supports Intel Core 2 Duo FSB 1066MHz CPU
- Intel Q965 + ICH8DO Chipset
- Four 240-pin DDR2 DIMM 800MHz, up to 8GB
- Intel Graphics Media Accelerator 3000
- Realtek ALC892 supports 5.1 + 2 Channel HD Audio
- Intel 82566DM GbE LAN supports iAMT 2.0
- 1 PCI-E x 16, 1 PCI-E x 4, 5 PCI 2.3
- 4 COM, 10 USB 2.0, 7 SATA II, 1 eSATA, 1 IDE
- Supports RAID 0, 1, 5, 10

## Specifications

### System

<b>CPU</b>	Intel LGA775 socket supports Core 2 Duo/ Pentium® D/ Pentium® 4/ Celeron® D with 45/ 65nm process technology
<b>FSB</b>	1066/800/533 MHz
<b>BIOS</b>	Award 16Mb SPI BIOS
<b>System Chipset</b>	Intel® Q965 + ICH8DO Chipset
<b>I/O Chip</b>	Winbond W83627DHG-A
<b>System Memory</b>	Four 240-pin DIMM sockets support up to 8GB dual channel DDR2 800/667/533 SDRAM
<b>H/W Status Monitor</b>	Monitoring temperature, voltage and cooling fan status. Auto throttling control when CPU overheats.
<b>Expansion</b>	1 PCI-E x 16, 1 PCI-E x 4, 5 PCI slots (PCI Rev. 2.3 compliant)
<b>Power State</b>	S1, S3, S4, S5
<b>Wake up on LAN or Ring</b>	LAN (PXE)
<b>SmartFan Control</b>	Yes

### I/O

<b>MIO</b>	1 IDE, 7 SATA II, 1 eSATA, 1 FDD, 1 LPT, 4 COM RS-232, 1 PS/2 Keyboard, 1 PS/2 Mouse
<b>USB</b>	10 USB 2.0
<b>FireWire</b>	LSI SW322 supports 2 IEEE 1394a Ports (optional)

### Display

<b>Chipset</b>	Intel® Q965 Integrated Graphics Media Accelerator 3000
<b>Display Memory</b>	Intel DVMT 4.0 supports 256 MB video memory
<b>Max. 3D Resolution</b>	2048 x 1536 (@75Hz)
<b>VGA</b>	On board
<b>HDMI</b>	Through ADD2 HDMI Card
<b>LVDS</b>	Through ADD2 LVDS Card
<b>DVI</b>	Through ADD2 DVI Card
<b>2<sup>nd</sup> VGA</b>	Through ADD2 VGA Card

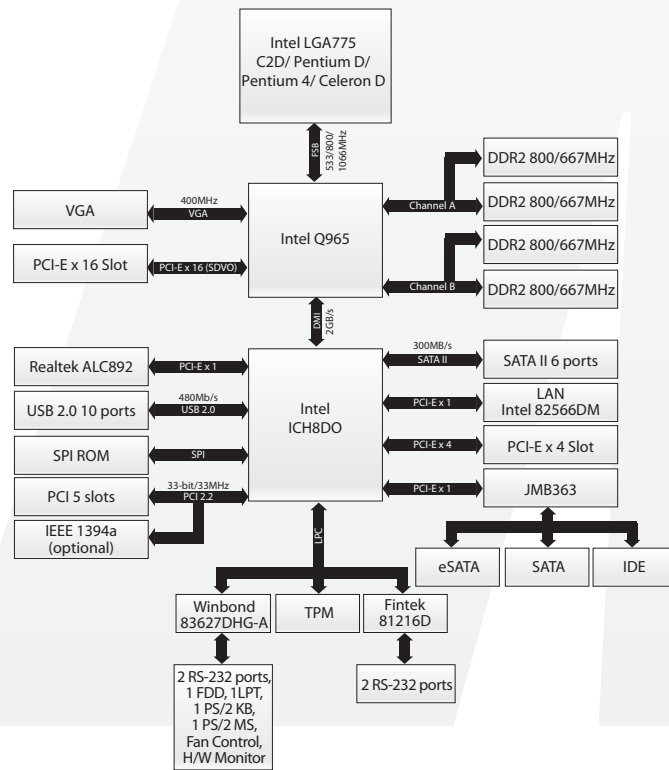
### Audio

<b>Audio Codec</b>	Realtek ALC892, 5.1 + 2 Channel HD Audio
<b>Audio Interface</b>	Line-in, Line-out, Mic-in, CD Audio-in, Side/Rear Speaker-out (6 jacks)

### Ethernet

<b>LAN</b>	Intel 82566DM Gigabit LAN (iAMT 2.0)
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## Block Diagram



IQ965-IGA

### Back Panel I/O Port

- 1 PS/2 Keyboard
- 1 PS/2 Mouse
- 1 LPT
- 1 eSATA Port
- 1 VGA Port
- 1 IEEE 1394a (optional)
- 1 LAN RJ45 Ports
- 4 USB Ports
- Audio I/O (6 jacks)

### Internal I/O Connector

- 3 USB Connectors support 6 USB Ports
- 1 FDD Connector
- 1 IDE Connector for two devices
- 4 COM RS-232 Connectors
- 1 CD Audio-in Connector
- 1 TPM Connector
- 7 SATA Connectors
- 1 Front Panel Audio Connector
- 1 S/PDIF Out Connector
- 1 System Panel Connector
- 1 CPU Fan Connector
- 2 System Fan Connectors
- 1 Power Fan Connector
- 1 IEEE 1394a (optional)

### Mechanical & Environmental

<b>Power Requirement</b>	+12V	+5V	+3.3V	5VSB
	6.89A	8.5A	3.6A	1.24A
<b>Power Type</b>	ATX			
<b>Power Connector</b>	1 24-pin ATX Power Connector 1 4-pin ATX 12V Power Connector			
<b>Operating Temperature</b>	0 to 60°C (32 to 140°F)			
<b>Operating Humidity</b>	0% to 90% relative humidity, non-condensing			
<b>Size (L x W)</b>	12" x 9.6" (304.8 mm x 243.84 mm)			
<b>Weight</b>	1.32 lbs (0.6 Kg)			