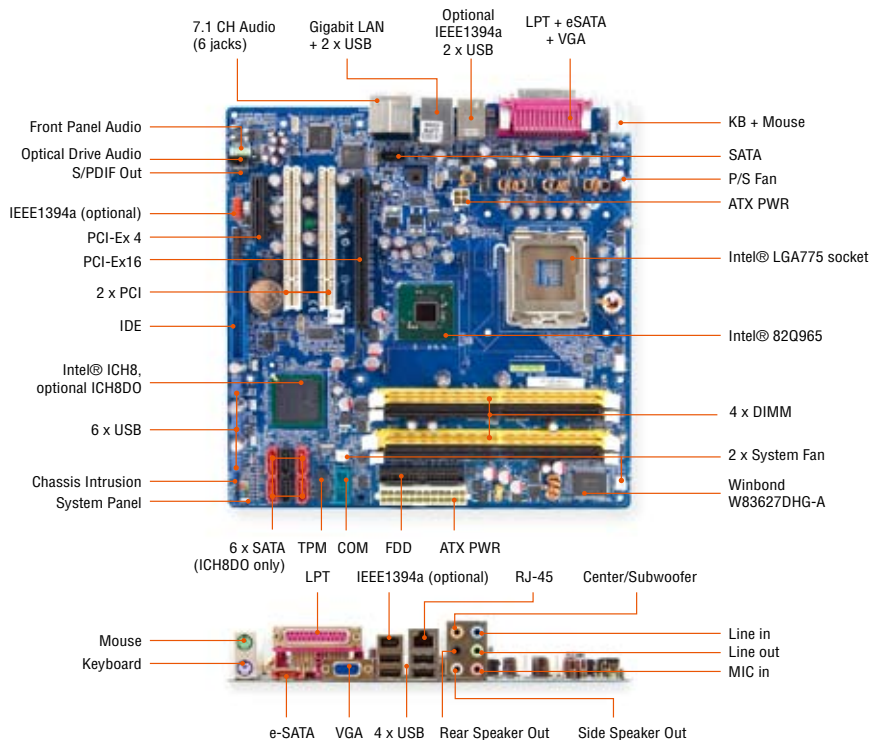


# iQ965-IGM Intel® Q965 LGA775 Core™ 2 Quad Micro ATX Motherboard



## Features

- Supports 65nm Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Core™ Duo CPU
- Intel® 82Q965 Chipset
- Four DIMMs up to 8 GB 2-CH DDR2 800/667/533 SDRAM
- Intel® Graphics Media Accelerator 3000
- ADI AD1988 7.1-CH HD Audio
- Intel® 82566DM PCI-E Gigabit LAN
- 1 PCI-E x16, 1 PCI-E x4, 2 PCI
- 1 COM, 10 USB, 5 SATA, 1 e-SATA
- PCI-E X16 Slot Supports ADD2 VGA/DVI/LVDS Card



## Specifications

### System

<b>CPU</b>	Intel® µFC-LGA 775 socket Supports Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Core™ Duo / Pentium® 4 / Celeron® D with 65nm process technology
<b>FSB</b>	1066/800/533 MHz
<b>BIOS</b>	Award 16 Mb SPI BIOS
<b>System Chipset</b>	Intel® 82Q965 GMCH/ICH8 (Optional ICH8DO)
<b>I/O Chip</b>	Winbond W83627DHG-A
<b>System Memory</b>	Four 240-pin DIMM sockets support up to 8 GB Dual Channel DDR2 800/667/533 SDRAM
<b>Watchdog Timer</b>	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
<b>H/W Status Monitor</b>	Monitoring temperatures, voltages, and cooling fan status. Auto throttling control when CPU overheats
<b>Expansion</b>	One PCI Express X16, one PCI Express X4, two PCI slots (PCI Rev. 2.2 compliant)
<b>S3</b>	S3 support
<b>SmartFan</b>	Yes
<b>I/O</b>	
<b>MIO</b>	1 x UltraDMA 133/100/66/33, 5 x SATA, 1 x FDD , 1 x LPT, 1 x RS-232, 1x K/B, 1 x Mouse
<b>USB</b>	10 x USB 2.0
<b>eSATA</b>	1 x e-SATA

### 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>Max. Resolution</b>	2048 x 1536 @ 32 bpp (75Hz)
<b>External VGA</b>	PCI-E X16 VGA interface
<b>HDMI</b>	Through ADD2 HDMI Card (Customized BIOS required)
<b>LVDS</b>	Through ADD2 LVDS Card (Customized BIOS required)
<b>DVI</b>	Through ADD2 DVI Card (Customized BIOS required)
<b>2nd VGA</b>	Through ADD2 VGA Card (Customized BIOS required)

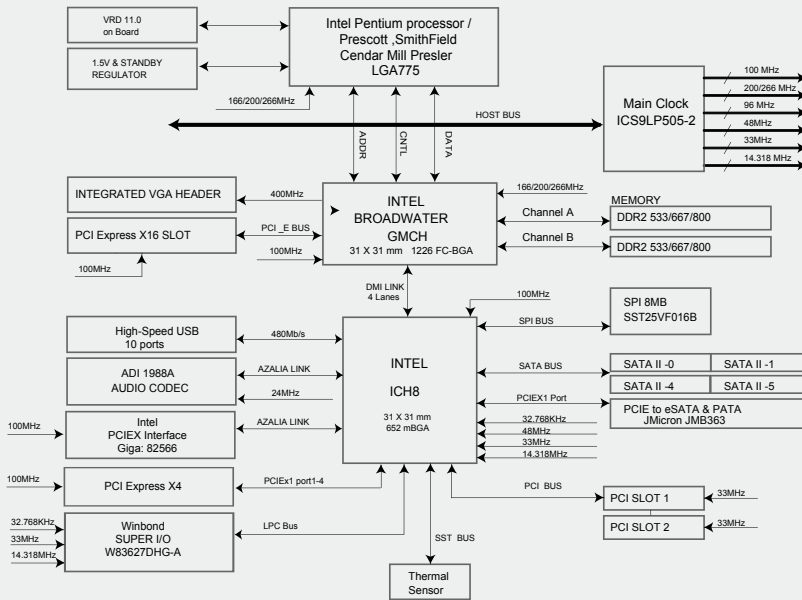
### Audio

<b>Chipset</b>	Intel® ICH8
<b>AC97 Codec</b>	ADI® AD1988 7.1-channel High Definition Audio codec
<b>Audio Interface</b>	Mic in, Line in, CD Audio in, Line out, S/PDIF

### Ethernet

<b>LAN 1</b>	Intel® 82566DM Gigabit LAN
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## Block Diagram



## Ordering information

### iQ965-IGM

Intel® LGA775 Quad-core / Core 2 Extreme / Core 2 Duo / Pentium® D / Pentium® 4 / Celeron® Micro ATX Main Board with VGA, 8 CH Audio, Gb LAN, 10 USB 2.0, 1 PCI-E X16, 1 PCI-E X4, & 2 PCI

### Packing List

<b>80M-Q96500-1020000</b>	iQ965-IGM MicroATX Motherboard	1
<b>14G000011214</b>	34pin FDD cable/40 pin IDE cable	1
<b>14G000020096</b>	COM1 cable 9P, L: 260 mm	1
<b>14G000127073</b>	SATA CABLE 7P 2IN1 RED COLOR	3

### Back Panel I/O Port

- 1 x PS/2 Keyboard
- 1 x PS/2 Mouse
- 1 x Parallel port
- 1 x External SATA
- 1 x VGA port
- 1 x RJ45 port
- 4 x USB 2.0/1.1
- Audio I/O (6 jacks)

### Internal I/O Connector

- 3 x USB connectors support 6 USB ports
- 1 x 24-pin ATX Power connector
- 1 x 4-pin ATX 12V Power connector
- 1 x Floppy disk drive connector
- 1 x IDE connector for two devices
- 1 x COM connector
- 1 x Chassis intrusion connector
- 1 x CD audio in connector
- 1 x TPM connector
- 5 x SATA connectors
- 1 x Front panel audio connector
- 1 x S/PDIF Out Header
- 1 x System panel connector
- 1 x CPU Fan connector
- 2 x Chassis Fan connector
- 1 x Power Fan connector

### Mechanical & Environmental

<b>Power Requirement</b>	+5 V @ 10.37 A, +12 V @ 3.07 A, +3.3 V @ 2.83 A (with Intel® Core 2 Duo E6300 1.86 GHz & 1GB*4 DDR2 SDRAM)
<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>	9.6" x 9.6" (243.84 mm x 243.84 mm)
<b>Weight</b>	0.88 lbs (0.4 Kg)

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