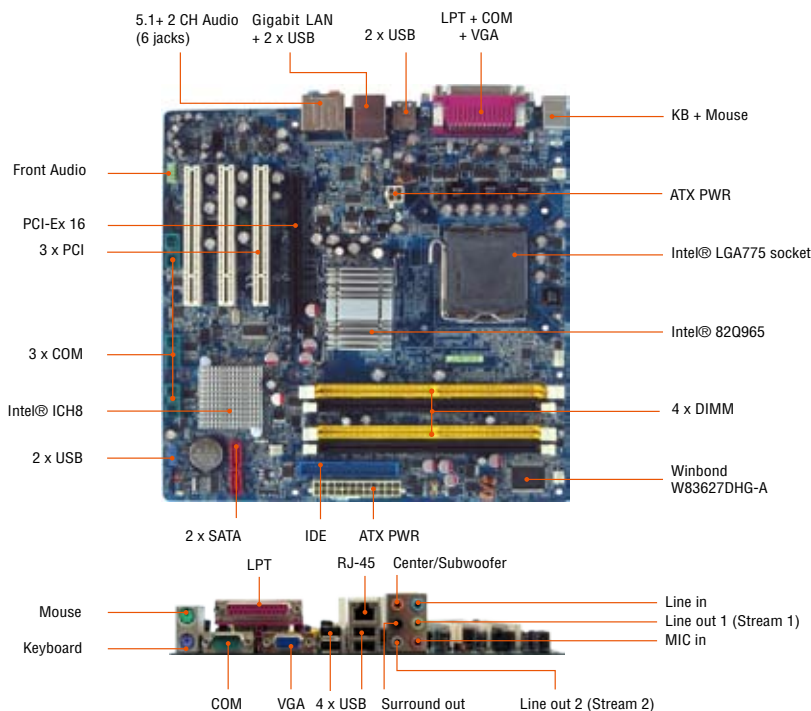


iQ96503-IQGM

Intel® Q965 LGA775 Core™ 2 Extreme / Core™ 2 Quad
Micro ATX Main Board



Features

- Supports 65nm Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Core™ Duo CPU
- Intel® 82965Q Express Chipset
- Four DIMMs up to 8 GB Dual Channel DDR2 800/667/533 SDRAM
- Intel® Graphics Media Accelerator 3000
- Realtek ALC888 7.1+2 CH HD Audio Supports Dual Audio Stream
- Realtek 8111B PCI-E Gigabit LAN
- 1 PCI-E x16, 3 PCI
- 4 COM, 6 USB, 2 SATA
- TPM Module Onboard
- TPA3005D2 5W Stereo Amplifier

Intel
GMA 3000

2 x Audio
Streams

Amplified
Audio

4 COM

TPM

Specifications

System

CPU	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
FSB	1066/800/533 MHz
BIOS	Award 16 Mb SPI BIOS
System Chipset	Intel® 82Q965 GMCH / ICH8
I/O Chip	Winbond W83627DHG-A
System Memory	Four 240-pin DIMM sockets support up to 8 GB Dual Channel DDR2 800/667/533 SDRAM
H/W Status Monitor	Monitoring temperatures, voltages, and cooling fan status. Auto throttling control when CPU overheats
Expansion	One PCI Express x16, Three PCI slots (PCI Rev. 2.3 compliant)
S3	S3 Support
SmartFan Control	Yes

I/O

MIO	1 x UltraDMA 133/100/66/33, 2 x SATA, 1 x LPT, 4 x RS-232, 1x K/B, 1 x Mouse
USB	6 x USB 2.0 ports

Display

Chipset	Intel® 82Q965 GMCH integrated Graphics Media Accelerator 3000
Display Memory	Intel® DVMT 4.0 supports 256 MB video memory
Max. 3D Resolution	2048 x 1536 @ 32 bpp (75Hz)
External VGA	PCI-E X16 VGA interface
LVDS	Through ADD2 LVDS Card (Customized BIOS required)
DVI	Through ADD2 DVI Card (Customized BIOS required)
VGA	Through ADD2 VGA Card (Customized BIOS required)

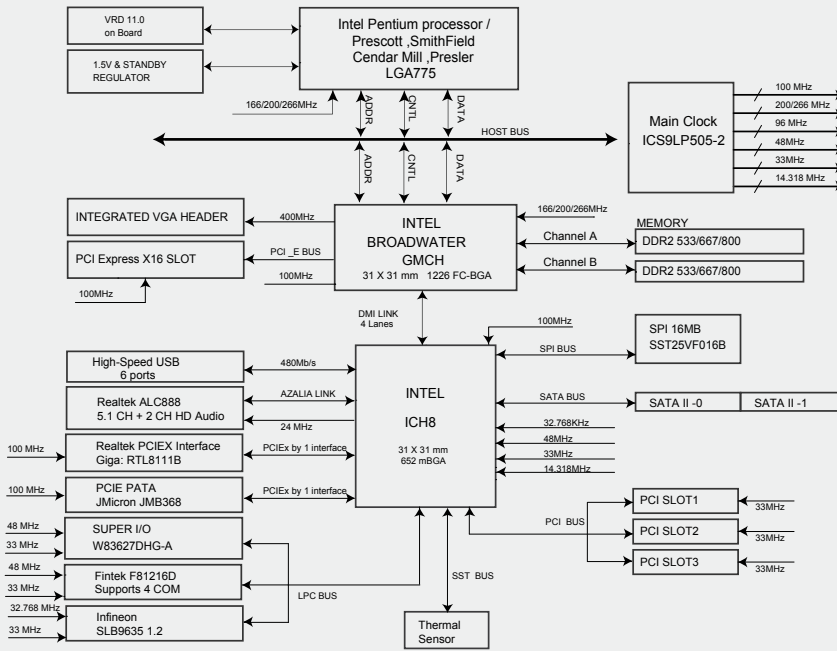
Audio

Chipset	Intel® ICH8
AC97 Codec	RRealtek ALC888 7.1+2 Ch high definition Audio Codec supports two independent Audio stream
Audio Interface	Mic in, Line in, CD Audio in, Line out
Audio Amplifier	TPA3123D2 Stereo 5Watt per channel

Ethernet

LAN 1	RealtekRTL8111B Gigabit LAN
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Block Diagram



Ordering information

iQ96503-IQGM

Intel® LGA775 Core 2 Duo / Pentium® D / Pentium® 4 / Celeron® D Micro ATX Main Board with VGA, Audio, Gb LAN, TPM, 4 COM, 6 USB 2.0, 1 PCI-E x16, 3 PCI

Packing List

Part Number	Description	Quantity
80M-Q9652-1000000	iQ96503-IQGM MicroATX Motherboard	1
14G000011238	CABLE 2IN1 FD/ATA W/K	1
14G000020096	COM1 CABLE 9P, L:260mm	3
14G000100915	SATA CABLE 7P 2IN1 RED COLOR	2

Back Panel I/O Port

Back Panel I/O Port	Quantity
1 x PS/2 Keyboard	1
1 x PS/2 Mouse	1
1 x Parallel port	1
1 x COM connector	1
1 x VGA port	1
1 x RJ45 port	1
4 x USB 2.0/1.1	4
Audio I/O (6 jacks)	6

Internal I/O Connector

Internal I/O Connector	Quantity
1 x USB connector support additional 2 USB ports	1
1 x 24-pin ATX Power connector	1
1 x 4-pin ATX 12V Power connector	1
1 x IDE connector for two devices	1
3 x COM connector	3
1 x Chassis intrusion connector	1
1 x CD audio in connector	1
2 x SATA connectors	2
1 x Front panel audio connector	1
1 x S/PDIF Out connector	1
1 x System panel connector	1
1 x CPU Fan connector	1
2 x System Fan connector	2
1 x Power Fan connector	1

Mechanical & Environmental

Power Requirement	+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)
Power Type	ATX
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	0%~90% relative humidity, non-condensing
Size (L x W)	9.6" x 9.6" (243.84 mm x 243.84 mm)
Weight	0.88 lbs (0.4 Kg)

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