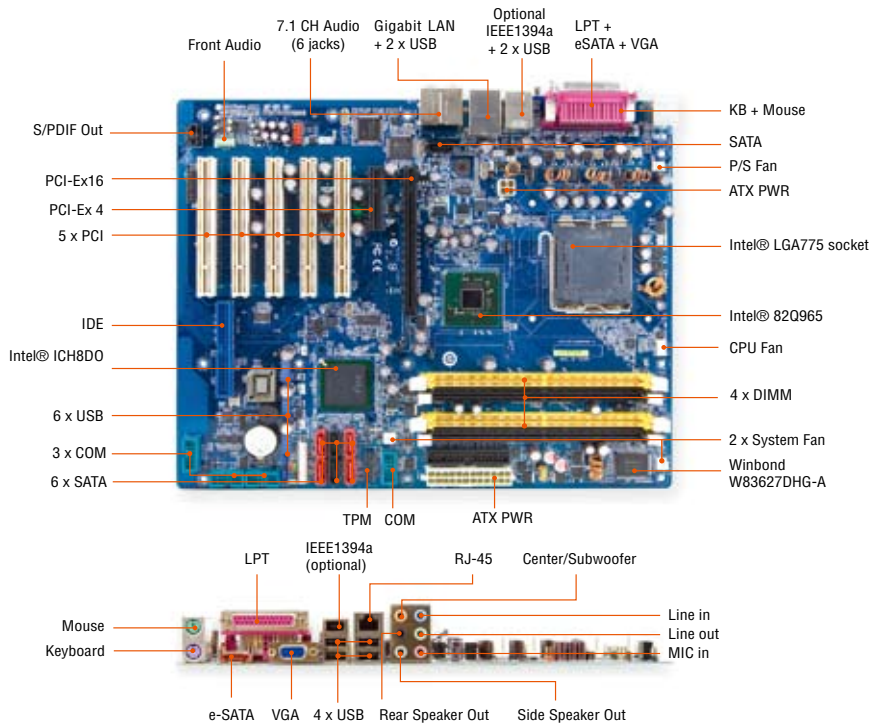


iQ965-IGA

Intel® Q965 LGA775 Core™ 2 Quad ATX Main Board



Features

- Supports 65nm Intel® 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
- AD1988 7.1 CH High Definition Audio
- Intel® 82566DM PCI-E Gigabit LAN
- 1 PCI-E x16, 1 PCI-E x4, 5 PCI 2.2
- 4 COM, 10 USB, 7 SATA, 1 e-SATA
- Optional 2 x IEEE 1394a
- PCI-E X16 Slot Supports ADD2 VGA/DVI/LVDS Card

PCI-Ex16

4 COM

7 SATA

eSATA

1394A (option)

Specifications

System

CPU	Intel® µFC-LGA 775 socket Supports 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 / ICH8DO
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
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring temperatures, voltages, and cooling fan status. Auto throttling control when CPU overheats
Expansion	One PCI Express X16, one PCI Express X4, five PCI slots (PCI Rev. 2.2 compliant)
S3	S3 support
SmartFan	Yes
I/O	
MIO	1 x EIDE (UltraDMA 133), 7 x SATA , 1 x FDD, 1 x LPT, 4 x RS-232, 1x K/B, 1 x Mouse
USB	10 x USB 2.0
e-SATA	1 x e-SATA
IEEE-1394A	1 x 1394 (optional)

Display

Chipset	Intel® 82Q965 GMCH integrated Graphics Media Accelerator 3000
Display Memory	Intel® DVMAT 4.0 supports 256 MB video memory
Max. Resolution	2048 x 1536 @ 32 bpp (75Hz)
External VGA	PCI-E X16 VGA interface
HDMI	Through ADD2 HDMI Card (Customized BIOS required)
LVDS	Through ADD2 LVDS Card (Customized BIOS required)
DVI	Through ADD2 DVI Card (Customized BIOS required)
2nd VGA	Through ADD2 VGA Card (Customized BIOS required)

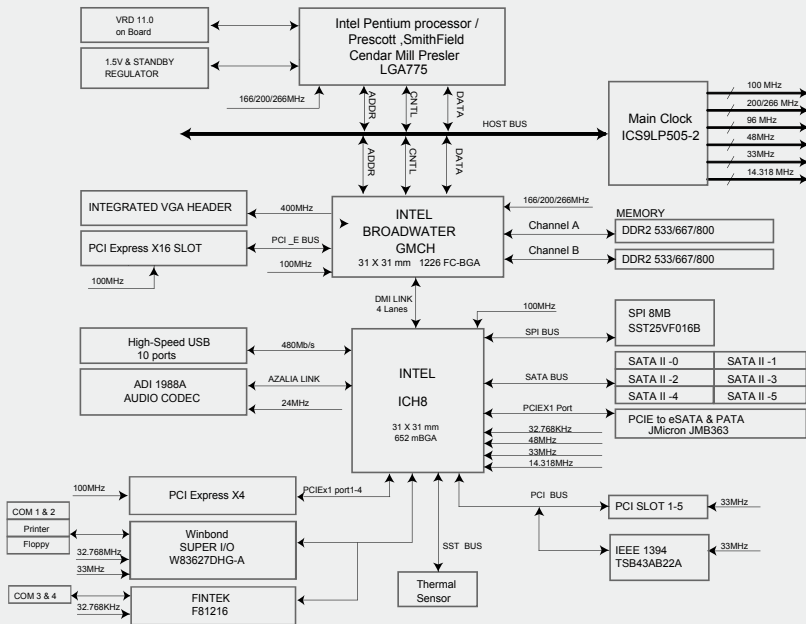
Audio

Chipset	Intel® ICH8DO
Audio Codec	ADI® AD1988 7.1-channel High Definition Audio codec
Audio Interface	Mic in, Line in, CD Audio in, Line out, S/PDIF

Ethernet

LAN 1	Intel® 82566DM Gigabit LAN
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Block Diagram



Ordering information

iQ965-IGA

Intel® LGA775 Core 2 Quad / Core 2 Duo / Pentium® D / Pentium® 4 / Celeron® D ATX Main Board with VGA, Audio, Gb LAN, 10 USB 2.0, 1 PCI-E X16, 1 PCI-E X4, & 5 PCI

Packing list

80A-Q96500-1000000	iQ965-IGA ATX Motherboard	1
14G000011238	CABLE 2IN1 FD/ATA W/K	1
14G000020096	COM1 CABLE 9P, L:260mm	4
14G000100915	SATA CABLE 7P 2IN1 RED COLOR	4

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 IEEE1394a connector (optional)
- 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
- 4 x COM connector
- 1 x CD audio in connector
- 1 x TPM connector
- 7 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
- 1 x IEEE1394a connector (optional)

Mechanical & Environmental

Power Type	ATX
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	0%~90% relative humidity, non-condensing
Size (L x W)	12" x 9.6" (304.8 mm x 243.84 mm)
Weight	1.32 lbs (0.6 Kg)

Avalue Technology Inc.

US Headquarters

200 Tornillo Way, Suite 210

Tinton Falls, NJ 07712

Tel: (732) 578-0200

Fax: (732) 578-0250

E-mail sales@avalue-usa.com