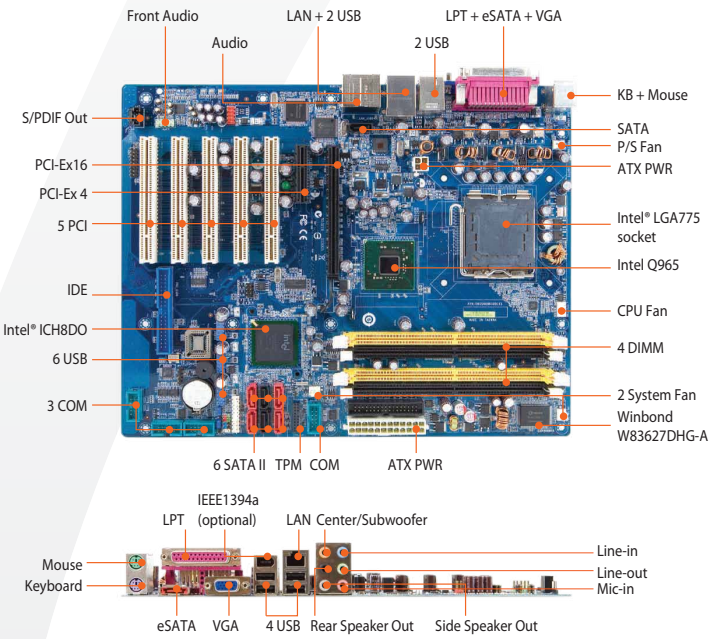
ATX Motherboard

AX965Q

Intel® Q965 with Core™2 Quad ATX Motherboard



Features

- Socket 775 supports Intel® Core™ 2 Quad FSB 1066MHz CPU
- Intel® Q965 + ICH8DO Chipset
- Four 240-pin DDR2 DIMM 800MHz, up to 8GB
- Intel® Graphics Media Accelerator 3000
- ADI AD 1988, 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
- iAMT 2.0
- Supports RAID 0, 1, 5, 10 function

Intel GMA 3000	PCI-E x 16	PCI-E x 4	PCI
Intel RAID	eSATA	AD1988 HD Audio	GbE LAN
iAMT 2.0	IEEE1394a (optional)		

Specifications

System

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

I/O

MIO	1 IDE, 7 SATA II, 1 eSATA, 1 FDD, 1 LPT, 4 COM RS-232, 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	10 USB 2.0
FireWire	LSI FW322 supports 2 IEEE 1394a Ports (optional)

Display

Chipset	Intel® Q965 Integrated Graphics Media Accelerator 3000
Display Memory	Intel DVMT 4.0 supports 256 MB video memory
Max. 3D Resolution	2048 x 1536 (@75Hz)5Hz)
VGA	On board
HDMI	Through ADD2 HDMI Card
LVDS	Through ADD2 LVDS Card
DVI	Through ADD2 DVI Card
2nd VGA	Through ADD2 VGA Card

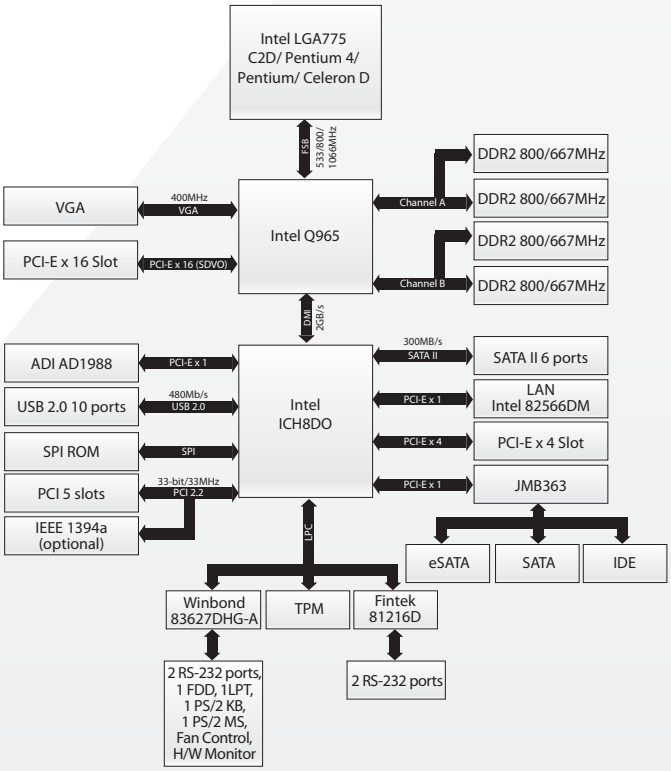
Audio

Audio Codec	ADI AD1988, 5.1 + 2 CH HD Audio
Audio Interface	Line-in, Line-out, Mic-in, CD Audio-in, Side/Rear Speaker-out (6 jacks)

Ethernet

LAN	Intel 82566DM Gigabit LAN (iAMT 2.0)

Block Diagram



Ordering Information

AX965Q
90A-Q96500-10000B2
AX965Q R10 ATX

Product Offering

until 2014

Packing List

COM Cable w/ Bracket	x 1
2 Port COM Cable w/ Bracket	x 1
SATA Data Cable	x 4
SATA Power Cable	x 4
FDD Cable	x 1
IDE Cable	x 1
Driver CD	x 1
Startup Manual	x 1

Optional Accessory

14GS0300020V04	USB Cable w/ Bracket
14GS0300021V04	USB Cable w/o Bracket
14GS0000072V04	COM Cable w/ Bracket

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

Power Requirement	+12V 6.89A	+5V 8.5A	+3.3V 3.6A	5VSB 1.24A
Power Type	ATX			
Power Connector	1 24-pin ATX Power Connector 1 4-pin ATX 12V Power Connector			
Operating Temperature	0 to 60°C (32 to 140°F)			
Operating Humidity	0% to 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)			

** The product information and specifications are subject to change without prior notice.
** All the rights of above logos and trademarks belong to their representative owners.