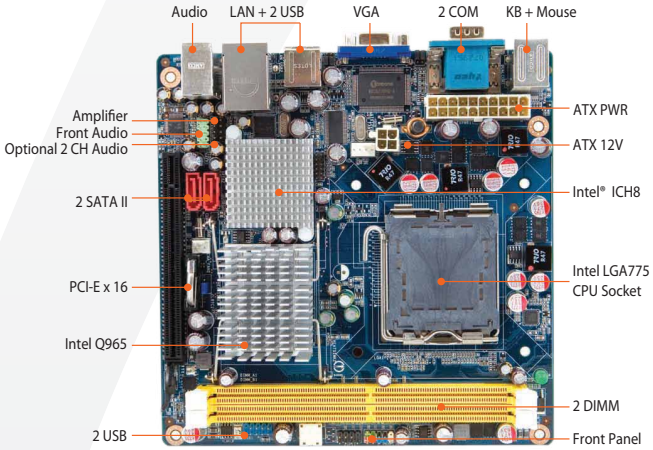
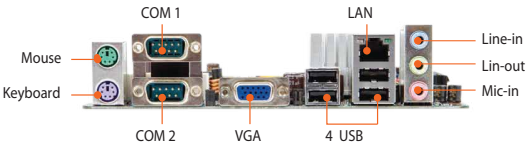
Mini-ITX Motherboard

IX965Q

Intel® Q965 with Core™ 2 Quad Mini-ITX Motherboard





Features

- Socket 775 supports Intel® Core™ 2 Quad FSB 1066/ 800/ 533MHz CPU
- Intel® Q965 + ICH8 Chipset
- Two 240-pin DDR2 DIMM 533/ 667MHz, up to 8GB
- Intel® Graphics Media Accelerator 3000
- Realtek ALC888, 5.1 + 2 Channel with 2 independent HD Streaming Audio
- Realtek RTL8111B Gigabit LAN
- 1 PCI-E x 16
- 2 COM RS-232, 6 USB 2.0, 2 SATA II
- TPM 1.2 onboard, 6W AMP

Intel GMA 3000	Powered COM	PCI-E x 16	GbE LAN
TMP 1.2	5.1+2 CH HD Audio	3+3W AMP	

Specifications

System

CPU	Intel® Socket M supports Core™ 2 Duad/ Core™ 2 Duo/ Core™ Duo / Pentium® 4/ Celeron® D with 45nm process technology
FSB	1066/ 800/ 533MHz
BIOS	Award 16Mb SPI BIOS
System Chipset	Intel® Q965 + ICH8 Chipset
I/O Chip	Winbond W83627DHG-A
System Memory	Two 240-pin DIMM sockets support up to 8GB DDR2 533/ 667 SDRAM
Watchdog Timer	Reset : 1 to 255 sec/min per step
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
Expansion	1 PCI-E x 16
TPM	Onboard TPM 1.2 by Infineon SLB9635
Power State	S1, S3, S4, S5
Wake up on LAN or Ring	LAN (PXE)
SmartFan Control	Yes, Speed Cruise Mode

I/O

MIO	2 SATA II, 2 COM RS-232 with Power (5V/12V), 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	6 USB 2.0

Display

Chipset	Intel Q965 integrated Graphics Media Accelerator 3000
Display Memory	Intel DVMT 4.0 supports 256 MB video memory
Resolution	2048 x 1536(@ 75Hz)
VGA	On board

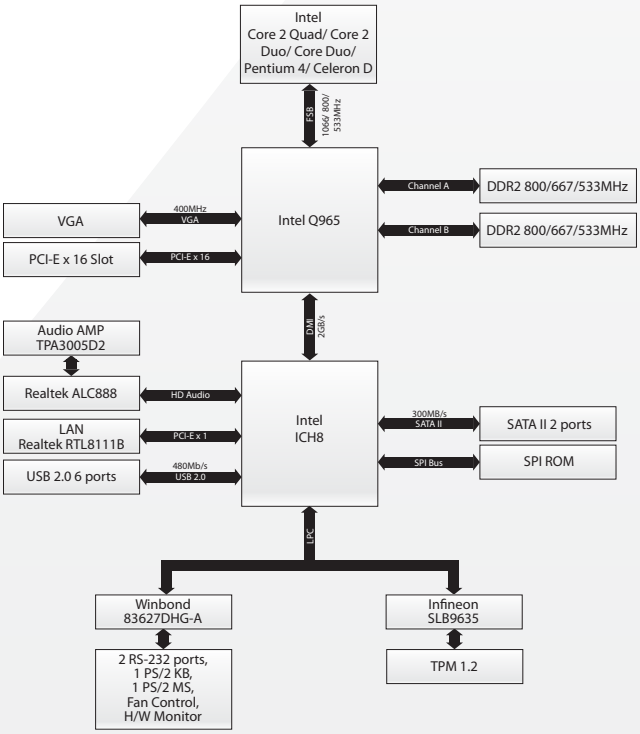
Audio

Audio Codec	Realtek ALC888, 5.1 + 2 CH HD Audio
Audio Interface	Line-in, Line-out, Mic-in
Audio Amplifier(W)	3+3W, TPA3005D2 Stereo

Ethernet

LAN	Realtek RTL8111B Gigabit LAN

Block Diagram



Ordering Information

IX965Q
90I-Q96500-10000B2
IX965Q R10 STD LGA 775

Product Offering

until 2014

Packing List

SATA Data Cable	x 2
SATA Power Cable	x 2
I/O Shield	x 1
Driver CD	x 1
Startup Manual	x 1

Optional Accessory

13GA1750000334	Socket 775 Cooler
13GS0700025C30	Low-profile Socket 775 Cooler
14GS0300020V04	USB Cable w/ Bracket
14GS0300021V04	USB Cable w/o Bracket

Back Panel I/O Port

1 PS/2 Keyboard
1 PS/2 Mouse
2 COM RS-232 Ports
1 VGA Port
1 LAN RJ45 Port
4 USB Ports
Audio I/O (3 jacks)

Internal I/O Connector

1 USB Connector supports 2 USB Ports
2 SATA Connectors
1 Audio Amplifier Connector
1 System Panel Connector
1 CPU Fan Connector
1 System Fan Connector

Mechanical & Environmental

Power Requirement	+12V 6.32A	+5V 6.37A	+3.3V 3.20A	5VSB 326mA
Power Type	ATX			
Power Connector	1 20-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)	6.69" x 6.69" (170 mm x 170 mm)			
Weight	0.88lbs (0.4Kg)			

** The product information and specifications are subject to change without prior notice.
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