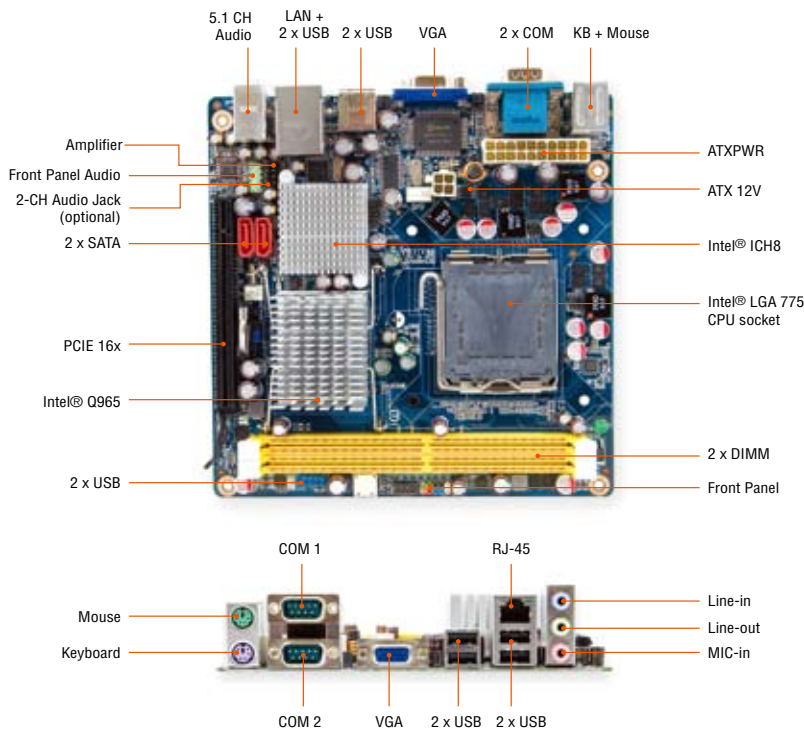


iQ965-CI

Intel® Q965 LGA775 Core™ 2 Quad Mini ITX Main Board



Features

- Support 65 nm Intel® Core™ 2 Quad / Core™ 2 Duo / Core™ Duo / Pentium® 4 / Celeron® D CPU
- Intel® 82965Q Express Chipset
- Two DIMMs up to 4 GB 2-CH DDR2 533/667/800 SDRAM
- Intel® Graphic Media Accelerator 3000
- Realtek ALC888 supports 5.1+2 CH Dual Audio Streams
- Realtek RTL8111B PCI-E Gigabit LAN
- 1 PCI-E x16 Slot Supports ADD2 VGA/DVI/LVDS Card
- 2 Powered COM, 6 USB, 2 SATA
- TPM INFINEON SLB9635TT Module Onboard
- TPA3005D2 5W Stereo Amplifier

Intel GMA 3000

2 x Audio Stream

5W amplifier

GigaLAN

PCI-Ex16

TPM

Powered COM

Specifications

System

CPU	Support Intel® LGA 775 Core™ 2 Quad / Core™ 2 Duo / Core™ Duo / Pentium® 4 / Celeron® D processor with 65 nm process technology
FSB	533/800/1066 MHZ
BIOS	Award 8MB
System Chipset	Intel® Q965/ICH8
I/O Chip	Winbond W83627DHG-A
System Memory	Two 240-pin sockets up to 4GB Dual Channel DDR2 533/667/800 SDRAM
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
Expansion	One PCI Express x16
TPM	Infineon SLB 9635 TCG 1.2 compliant trusted platform module (TPM)
S3	S3 Support
SmartFan Control	Yes

I/O

MIO	2 x SATA, 2 x RS232, 1 x K/B, 1 x Mouse (COM 1, 2 with power output)
USB	6 x USB 2.0

Display

Chipset	Intel® 82Q965 GMCH integrated Graphics Media Accelerator 3000
Display Memory	Intel® DVMT 4.0 supports 256 MB video memory
Resolution	2048 x 1536 @ 32 bpp(@ 75Hz)
VGA/LCD	PCI-E X16 VGA interface
HDMI	Through ADD2 HDMI Card
LVDS	Through ADD2 LVDS Card
DVI	Through ADD2 DVI Card

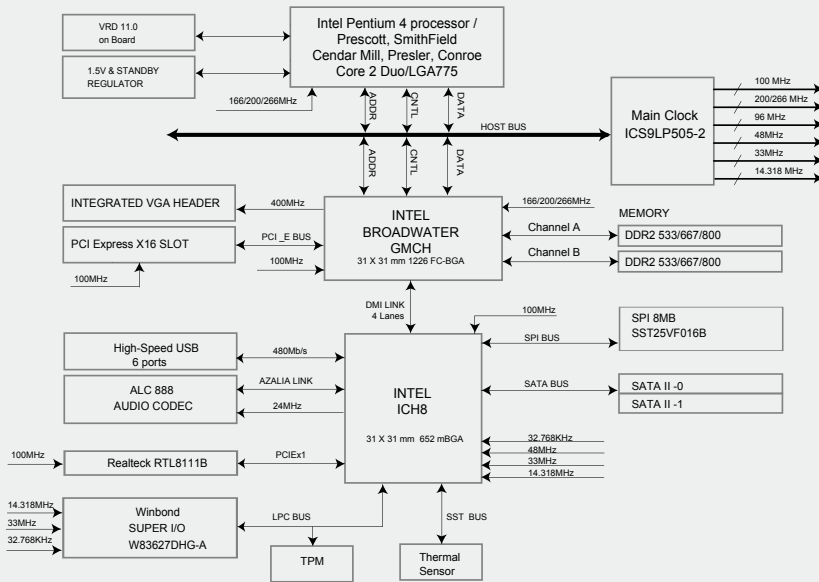
Audio

Chipset	Intel® ICH8
Audio Codec	Realtek ALC888 high-definition Audio Codec supports 5.1+2-CH two independent Audio streams
Audio Interface	Mic in, Line in, Line out
Audio Amplifier	TPA3005D2 5W (per front channel) stereo amplifier

Ethernet

LAN 1	Realtek RTL8111B PCI-E Gigabit Ethernet Controller
--------------	--

Block Diagram



Ordering information

iQ965-CI

Intel® Core™ 2 Quad / Core™ 2 Duo / Core™ Duo / Pentium® 4 / Celeron® D Mini ITX Motherboard with VGA, 5.1 + 2 CH Audio, GigaLAN, 2 powered COM, 6 USB, 2 SATA, 1 PCI Ex16, 5W audio amplifier & TPM

Packing list

80I-Q96500-0A00000	iQ965-CI Mini-ITX motherboard	1
14G000100910	SATA Cable Kit (SATA/POWER)	2

Back Panel I/O Port

- 1 x PS/2 Keyboard
- 1 x PS/2 Mouse
- 2 x RS-232 (with 5V/12V output)
- 1 x VGA port
- 4 x USB 2.0/1.1
- 1 x RJ45 Port
- Audio I/O (3 Jacks)

Internal I/O Connector

- 1 x USB connectors support 2 USB ports
- 1 x 20-pin ATX Power connector
- 1 x 4-pin ATX12V Power connector
- 2 x SATA connectors
- 1 x Audio amplifier connector
- 1 x System panel connector
- 1 x CPU Fan connector
- 1 x System Fan connector

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)	6.69" x 6.69" (170 mm x 170 mm)
Weight	0.88 lbs (0.4 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