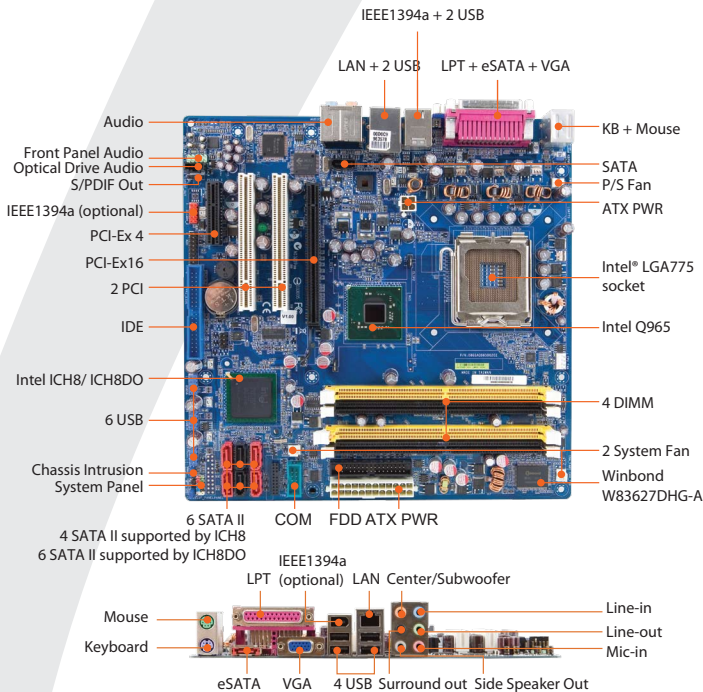


RX965Q

Intel® Q965 with Core™2 Quad Micro-ATX Motherboard



Features

- Socket 775 supports Intel® Core™2 Quad FSB 533/ 800/ 1066MHz CPU
- Intel® Q965 + ICH8/ ICH8DO(optional) Chipset
- Four 240-pin DDR2 DIMM 533/ 667/ 800MHz, up to 8GB
- Intel Graphics Media Accelerator 3000
- Realtek ALC888 5.1 + 2 Channel HD Audio
- Intel 82566DM Gigabit LAN
- 1 PCI-E x 16, 1 PCI-E x 4, 2 PCI, 1 LPT, 1 IEEE 1394a (optional)
- 1 COM RS-232, 10 USB 2.0, up to 7 SATA II, 1 eSATA
- Supports RAID 0, 1, 5, 10 (optional)

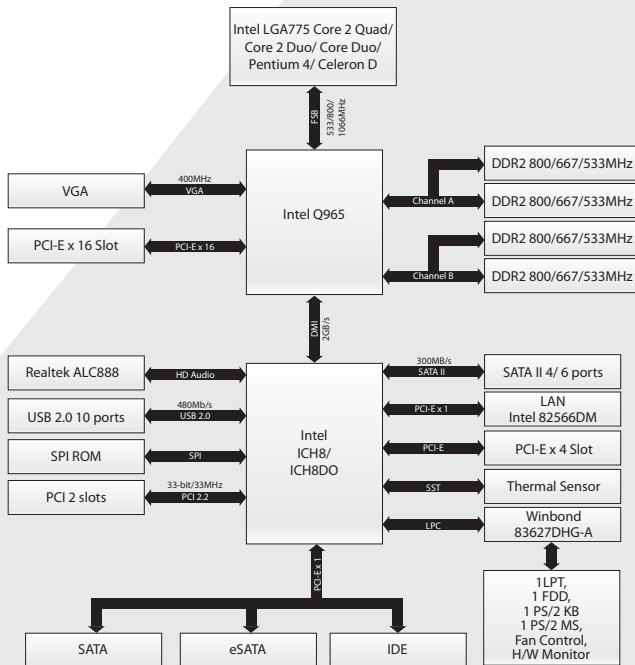
Intel GMA 3000	PCI-E x 16	PCI x 4	PCI
RAID	5.1 + 2 CH HD Audio	GbE LAN	IEEE 1394a (optional)

Specifications

System	
CPU	Intel® LGA775 socket supports Core™2 Quad/ Core™2 Duo/ Core™ Duo/ Pentium® 4/ Celeron® with 65nm process technology
FSB	1066 / 800 / 533 MHz
BIOS	Award 16Mb SPI BIOS
System Chipset	Intel® Q965 + ICH8/ ICH8DO(optional) 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
Watchdog Timer	Reset : 1 to 255 sec/min per step
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, 2 PCI 2.3
Power State	S1, S3, S4
Wake up on LAN or Ring	LAN (PXE) and Ring
SmartFan Control	Yes
I/O	
MIO	1 IDE, 1 COM RS-232, 1 LPT, 1 FDD, 5 SATA II, 1 eSATA supported by ICH8 7 SATA II, 1 eSATA supported by ICH8DO 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	10 USB 2.0 ports
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 up to 256MB video memory
Max. Resolution	2048 x 1536 (@75Hz)
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	Realtek ALC888, 5.1 + 2 Channel 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

Block Diagram



Ordering Information

RX965Q

90M-Q96500-10200B2
RX965Q R1.02 STD LGA775

Product Offering

until 2014

Packing List

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

Optional Accessory

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

Back Panel I/O Port

- 1 PS/2 Keyboard
- 1 PS/2 Mouse
- 1 LPT
- 1 eSATA
- 1 VGA Port
- 1 IEEE 1394a (optional)
- 1 LAN RJ45 Port
- 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
- 1 COM RS-232 Connector
- 1 Chassis Intrusion Connector
- 1 CD Audio-in 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

Mechanical & Environmental

Power Requirement	+12V 4.22A	+5V 6.42A	+3.3V 2.41A	5VSB 0.72A
Power Type	ATX			
Power Connector	1 24-pin ATX Power Connector 1 4-pin ATX 12V Power Connector			
Operating Temperature	0 to 50°C (32 to 122°F)			
Operating Humidity	0% to 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)			