

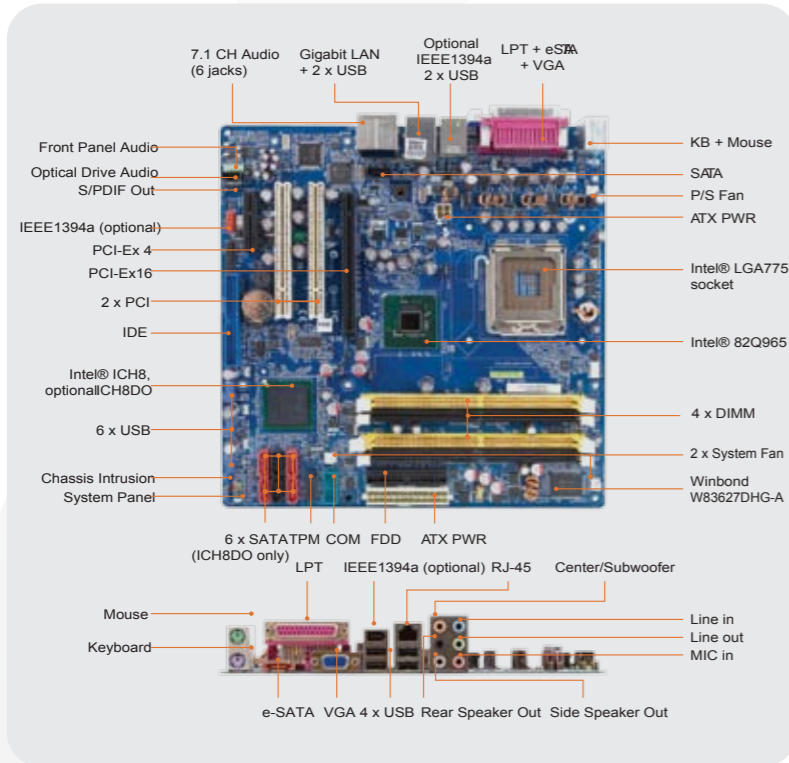
# RX965Q

Intel® Q965 LGA775 Core 2 Extreme / Core 2 Quad  
Core 2 Duo / Core Duo Micro ATX Main Board



RX965Q

Micro ATX Main Board

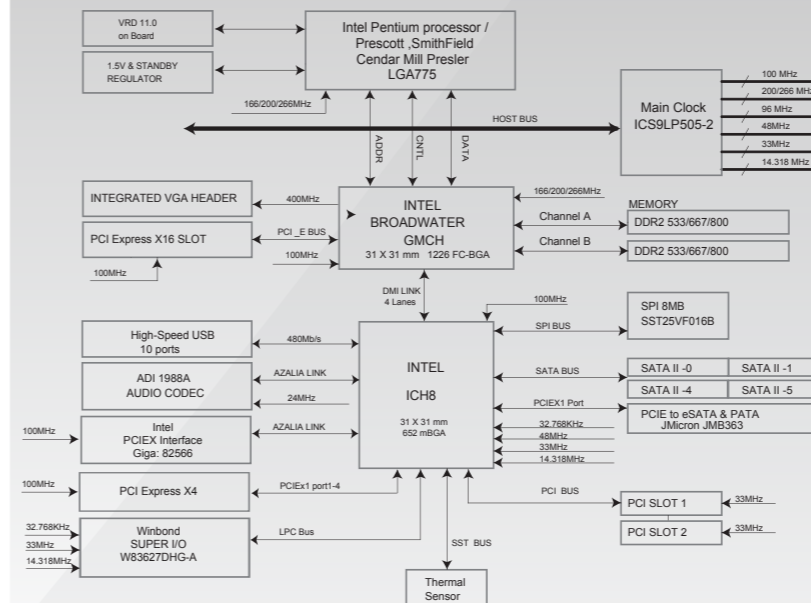


## Features

- Supports Intel LGA775 Core 2 Extreme Core 2 Quad / Core 2 Duo / Core Duo Pentium 4 / Celeron D with 65nm process technology
- Intel 82Q965 Chipset
- Four 240-pin DIMMs up to 8 GB Dual Channel DDR2 800/667/533 SDRAM
- Intel Graphics Media Accelerator 3000
- ADI AD1988 7.1 Ch. High Definition Audio
- Intel 82566DM PCI-E Gigabit LAN
- 1 PCI-E x16, 1 PCI-E x4, 2 PCI 2.2
- 1 COM, 10 USB 2.0, 5 SATA, 1 e-SATA



## Block Diagram



## Ordering information

**RX965Q**  
Intel LGA775 Core 2 Duo / Pentium D Pentium 4 / Celeron Micro ATX Main Board with VGA, Audio, Gb LAN, 10 USB 2.0, 1 PCI-E X16, 1 PCI-E X4, & 2 PCI

Packing List of RX965Q	
80M-Q96500-10200B2 RX965Q MicroATX Motherboard	x1
14G000011214 1 x Cable 2 in 1 FD/ATA W/K	x1
14G000020096 COM1 cable 9P, L: 260 mm	x1
14G000100915 SATA CABLE KIT (SATA/POWER)	x2

## Specifications

System	
<b>CPU</b>	Supports Intel LGA775 Core 2 Extreme / Core 2 Quad Core 2 Duo / Core Duo / Pentium 4 / Celeron D with 65nm process technology
<b>FSB</b>	1066/800/533 MHz
<b>BIOS</b>	Award 16 Mb Flash ROM BIOS
<b>System Chipset</b>	Intel 82Q965 GMCH/ICH8
<b>I/O Chip</b>	Winbond W83627DHG-A
<b>System Memory</b>	Four 240-pin DIMM sockets support up to 8 GB Dual Channel DDR2 800/667/533 SDRAM
<b>Watchdog Timer</b>	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
<b>H/W Status Monitor</b>	Monitoring temperatures, voltages, and cooling fan status. Auto throttling control when CPU overheats
<b>Expansion</b>	One PCI Express X16, one PCI Express X4, two PCI slots (PCI Rev. 2.2 compliant)
<b>S3</b>	S3 Support
<b>Fan Control</b>	Yes
I/O	
<b>MIO</b>	1 x UltraDMA 133/100/66/33, 6 x SATA (5 internal + 1 eSATA), 1 x FDD, 1 x LPT, 1 x RS-232, 1x K/B, 1 x Mouse
<b>USB</b>	10 x USB 2.0 ports
<b>eSATA</b>	1 x e-SATA

Display	
<b>Chipset</b>	Intel 82Q965 GMCH integrated Graphics Media Accelerator 3000
<b>Display Memory</b>	Intel DVMT 4.0 supports 256 MB video memory
<b>Max. Resolution</b>	2048 x 1536 @ 32 bpp (75Hz)
<b>VGA Interface</b>	PCI-E X16 VGA interface
<b>HDMI</b>	Through ADD2 HDMI Card
<b>LVDS</b>	Through ADD2 LVDS Card
<b>DVI</b>	Through ADD2 DVI Card
<b>Secondary VGA</b>	Through ADD2 VGA Card
Audio	
<b>AC97 Codec</b>	ADI AD1988 7.1 Ch. High Definition Audio CODEC
<b>Audio Interface</b>	Mic in, Line in, CD Audio in, Line out, 6CH (6 jacks)
Ethernet	
<b>LAN 1</b>	Intel 82566DM Gigabit LAN

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 LAN RJ45 port	
4 x USB 2.0/1.1 / 7.1 CH Audio I/O (6 jacks)	
Internal I/O Connector	
* 3 x USB connectors support additional 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	
* 1 x COM connector	
* 1 x Chassis intrusion connector	
* 1 x CD audio in connector	
* 1 x TPM connector	
* 5 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	

Mechanical & Environmental	
<b>Power Type</b>	ATX
<b>Operating Temperature</b>	0~60°C (32~140°F)
<b>Operating Humidity</b>	0%~90% relative humidity, non-condensing
<b>Size (L x W)</b>	9.6" x 9.6" (243.84 mm x 243.84 mm)
<b>Weight</b>	0.88 lbs (0.4 Kg)