



### Features

- Supports Intel® Core™ 2 Duo / Pentium® D / Pentium® 4 / Celeron® D CPU
- Intel® Q965 / ICH8 Chipset
- Four 240-pin DIMMs up to 8 GB Dual Channel DDR2 800/667/533 SDRAM
- Intel® Graphics Media Accelerator 3000
- Intel® 82566DM GigaLAN
- AD1988 8-CH High Definition Audio, S/PDIF
- 1 PCIe x 16, 1 PCIe x 4, 2 PCI
- 1 COM, 10 USB, 4 SATA

Intel Q965

GbE

8-CH S/PDIF

SATA

PCIe x 16

10 USB

### Specifications

#### System

• CPU	Supports Intel® µFC-PGA 775 socket supports Core™ 2 Duo / Pentium® D / Pentium® 4 / Celeron® D with 65nm process technology
• FSB	1066/800/533 MHz
• BIOS	Award 2 MB Flash BIOS
• System Chipset	Intel® Q965 / ICH8
• I/O Chip	Winbond W83627DHG-A
• System Memory	Four 240-pin DIMM sockets support up to 8 GB DDR2 800/667/533 SDRAM
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• H/W Status Monitor	Monitoring temperatures, voltages, and cooling fan status. Auto throttling control when CPU overheats
• Expansion	1 PCIe x 16, 1 PCIe x 4, 2 PCI (PCI Rev. 2.2 compliant)

#### I/O

• MIO	1 x EIDE (Ultra DMA 133/100/66/33), 4 x SATA, 1 x FDD, 1 x RS-232, 1 x LPT, 1 x K/B, 1 x Mouse
• USB	10 x USB 2.0 ports
• TPM	1 TPM connector

#### Display

• Chipset	Intel® Q965 integrated Graphics Media Accelerator 3000
• Display Memory	Max. shared memory of 256 MB
• Resolution	Max 3D resolution: 2048 x 1536 @ 32 bpp (75 Hz)
• LVDS	Through ADD2 LVDS Card (Optional)
• DVI	Through ADD2 DVI Card (Optional)
• HDMI	Through ADD2 HDMI Card (Optional)
• TV-out	Through ADD2 TV-out Card (Optional)

#### Audio

• Chipset	Intel® ICH8
• AC97 Codec	ADI AD1988 8-CH High Definition Audio Codec
• Audio Interface	Mic in, Line in, CD Audio in, Line out, S/PDIF

#### Ethernet

• LAN	Intel® 82566DM PCIe Gigabit Ethernet Controller
• Ethernet Interface	1000Base-T Gigabit Ethernet Compatible: Intel® 82566DM

#### Mechanical & Environmental

• Power Requirement	+5 V @ 5.14 A, +12 V @ 5.25 A, +3.3 V @ 0.59 A (with Intel® Celeron® D 2.93 GHz & 512 MB DDR SDRAM)
• Power Type	ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~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)

### Ordering Information

- **ERX-965Q**  
Intel® LGA775 Core™ 2 Duo / Pentium® D / Pentium® 4 / Celeron® Micro ATX Motherboard with VGA, Audio, GigaLAN, 10 USB2.0, 1 PCIe x 16, 1 PCIe x 4, 2 PCI
- **ACC-FAN-806R**  
CPU Cooler 3P/12V LGA775 up to 95W