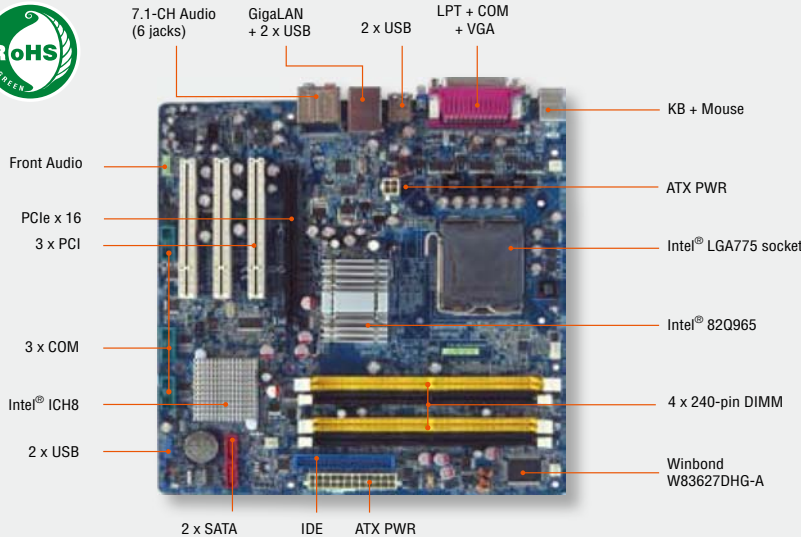




ERX-965Q2

Intel® Core™ 2 Duo® / Pentium® D / Pentium® 4 / Celeron® D Micro ATX Motherboard



Features

- Supports Intel® Core™ 2 Duo / Pentium® D / Pentium® 4 / Celeron® D CPU
- Intel® 82Q965 Chipset
- Four 240-pin DIMMs up to 8 GB Dual Channel DDR2 800/667/533 SDRAM
- Realtek ALC888 7.1-CH. High Definition Audio with Dual Audio Streaming & 3 Watts Audio amplifier on the Mater Ch.
- 1 PCIe x 16, 3 PCI
- 4 COM, 10 USB 2.0, 2 SATA
- Infineon SLB9635 TT1.2 TPM solution onboard
- 6 USB 2.0, 15-bit GPIO



Specifications

System

• CPU	Intel® µFC-LGA 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 ROM BIOS
• System Chipset	Intel® 82Q965 GMCH / ICH8
• I/O Chip	Winbond W83627DHG-A
• System Memory	Four 240-pin DIMM sockets support up to 8 GB Dual Channel 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, 3 PCI slots (PCI Rev. 2.2 compliant)

I/O

• MIO	1 x UltraDMA 133/100/66/33, 2 x SATA, 1 x LPT, 4 x RS-232, 1x K/B, 1 x Mouse
• USB	10 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
• Max 3D Resolution	2048 x 1536 @ 32 bpp (75Hz)
• VGA/LCD Interface	PCIe x 16 VGA interface
• DVI	Through ADD2 Card (Optional)
• 2nd VGA	Through ADD2 Card (Optional)

Audio

• Chipset	Intel® ICH8
• AC97 Codec	Realtek ALC888 5.1 + 2-CH. High Definition Audio with Dual Audio Streaming
• Audio Amplifier	3 Watts dual channel
• Audio Interface	Mic in, Line in, CD Audio in, Line out

Ethernet

• LAN	Realtek 8111B PCIe GigaLAN
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TPM

• Chipset	Infineon SLB9635 TT1.2
• TCG Specification	TCG 1.2 Compliance Trusted Platform
• Cryptographic Accelerator	HAS-1/RSA Algorithm / TRNG
• Asymmetric Key Operation	Up to 2048 bit key length
• Software Structure	TCG Software Stack 1.2 Compliant

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-965Q2
Intel® LGA775 Core™ 2 Duo / Pentium® D / Pentium® 4 / Celeron® D Micro ATX Motherboard with VGA, Audio, GigaLAN, 4 COM, 10 USB 2.0, 1 PCIe x 16, 3 PCI
- ACC-FAN-806R
CPU Cooler 3P/12V LGA775 up to 95W