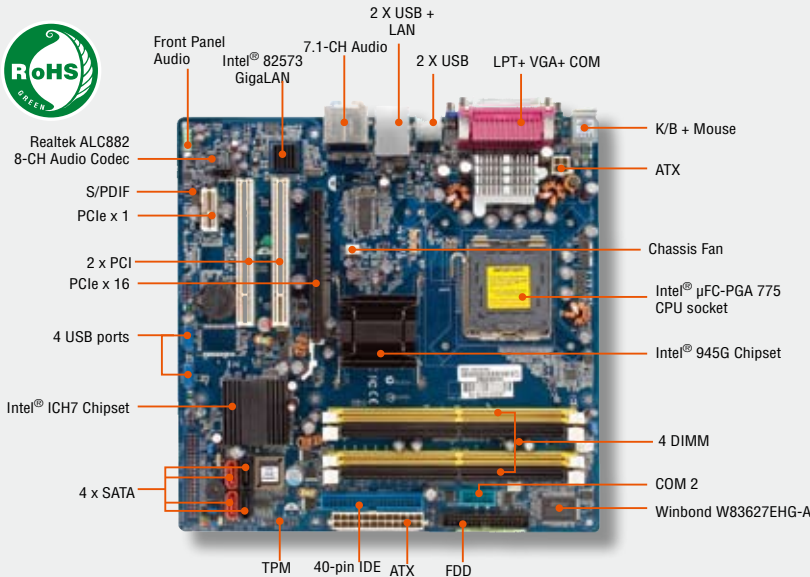




ERX-945G

Intel® 945G LGA775 Core™ 2 Duo / Pentium® 4 / Pentium® D / Celeron® D Micro ATX Motherboard



Features

- Supports 65nm Intel® µFC-LGA775 Core™ 2 Duo / Pentium® 4 / Pentium® D / Celeron® D CPU
- Intel® 82945G Chipset
- Four 240-pin DIMMs up to 4 GB Dual Channel DDR2 400/533/667 SDRAM
- Intel® Graphics Media Accelerator 950
- 7.1-CH Audio, S/PDIF
- Intel® 82573L GigaLAN
- 1 PCIe x 16, 1 PCIe x 1, 2 PCI
- 2 COM, 8 USB, 4 SATA



CH1
ETX/
COM Express

CH2
3.5" SBC

CH3
EPIC

CH4
5.25" SBC

CH5
PC/104

CH6
IMB

CH7
Embedded
System

CH8
MTP
Panel PC

CH9
Panel PC

CH10
ahis

CH11
Peripheral

CH12
Index

Specifications

System

• CPU	Supports Intel® µFC-LGA 775 Core™ 2 Duo / Pentium® 4 / Pentium® D / Celeron® D with 65nm process technology
• FSB	533/800/1066 MHz
• BIOS	Award 512 KB Flash BIOS
• System Chipset	Intel® 82945G GMCH / ICH7
• I/O Chip	Winbond W83627EHG-A
• System Memory	Four 240-pin DIMM sockets support up to 4 GB Dual Channel DDR2 400/533/667 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 1, 2 PCI (PCI Rev. 2.2 compliant)

I/O

• MIO	1 x EIDE (Ultra DMA 100), 4 x SATA, 1 x FDD, 1 x LPT, 2 x RS-232, 1x K/B, 1 x Mouse
• USB	8 x USB 2.0
• TPM	1 TPM connector

Display

• Chipset	Intel® 82945G GMCH integrated Graphics Media Accelerator 950
• Display Memory	Intel® DVM 3.0 supports 224 MB video memory
• Max. 3D Resolution	2048 x 1536 @ 32 bpp (75 Hz)
• VGA/LCD Interface	PCIe x 16 VGA interface
• DVI	Through ADD2 DVI Card (Optional)
• HDMI	Through ADD2 HDMI Card (Optional)
• TV-out	Through ADD2 TV-out Card (Optional)
• LVDS	Through ADD2 LVDS Card (Optional)

Audio

• Chipset	Intel® ICH7
• AC97 Codec	ealtek ALC882, 7.1-CH High-Definition Audio Codec
• Audio Interface	Mic in, Line in, CD Audio in, Line out, S/PDIF

Ethernet

• LAN	Intel® 82573L GigaLAN
• Ethernet Interface	1000Base-T Gigabit Ethernet compatible: Intel® 82573L

Mechanical & Environmental

• Power Requirement	+5 V @ 3.57 A, +12 V @ 0.27 A, +3.3 V @ 0.47A 5 Vsb @ 0.69 A (with Intel® Pentium® D 2.8 GHz & 1 GB DDR2 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-945G
Intel® 945G LGA775 Core™ 2 Duo / Pentium® 4 / Pentium® D / Celeron® D Micro ATX Motherboard with VGA, 7.1-CH Audio, GigaLAN, 8 USB 2.0, 4 SATA
- ACC-FAN-806R
CPU Cooler 3P/12V LGA775 up to 95W