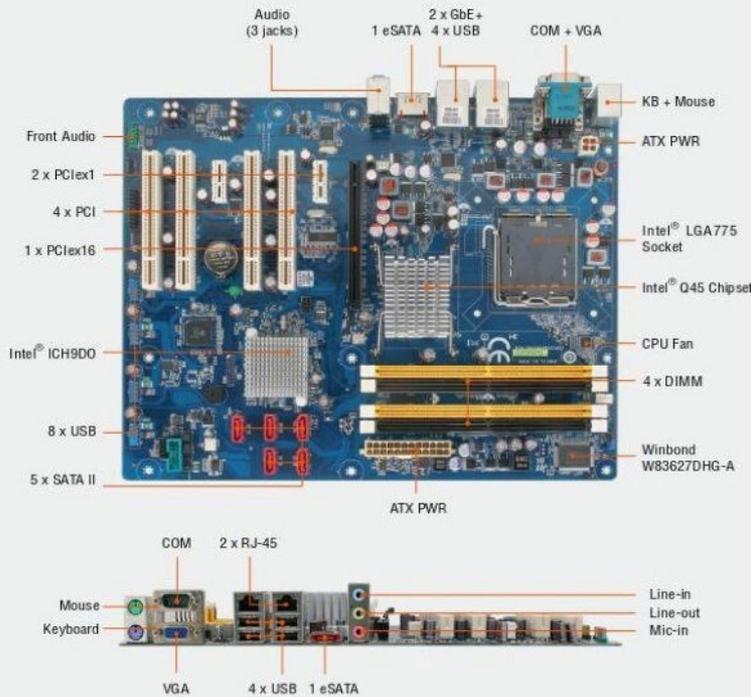# EAX-Q45

Intel® Core™ 2 Quad/ Core™ 2 Duo ATX Motherboard with Intel® Q45 + ICH10DO Chipset

Features

- Intel® LGA 775 Socket for Intel® Core™ 2 Quad/ Core™ 2 Duo CPU
- Intel® Q45/ ICH10DO Chipset
- Four DIMMs Up to 8GB 2-CH DDR2 800/ 677 SDRAM, Non-ECC
- Intel® Graphics Media Accelerator 4500
- 5.1+2-CH HD Audio
- Dual Realtek RTL8111SC Gigabit Ethernet
- 1 PCIex16, 2 PCIex1, 4 PCI
- 2 COM (5/ 12V), 5 SATA II, 12 USB, 1 eSATA
- Power Fail Auto-on
- 5 SATA II with RAID 0,1,5 and 10

Intel® Q45	Intel® GMA 4500	2 GbE	5.1+2-CH Audio	12 USB
2 COM	Power COM	PCIex16	2 PCIex1	4 PCI
5 SATA II	eSATA	RAID	TPM	

Specifications

System

• CPU	Intel® LGA775 Socket Supports Intel® Core™ 2 Quad/ Core™ 2 Duo Processors with 45nm Process Technology
• FSB	1333/ 1066/ 800MHz
• BIOS	AMI 4MB BIOS
• System Chipset	Intel® 82Q45/ 82801JO (ICH10DO)
• I/O Chip	Winbond W83627DHG-A
• System Memory	Four 240-pin DIMM Sockets Support Up to 8GB Dual Channel DDR2 800/ 667 SDRAM, Non-ECC
• Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring Temperatures, Voltages and Fan Status with Auto Throttling Control
• Expansion	1 x PCIex16, 2 x PCIex1, 4 x PCI (PCI Rev. 2.3 Compliant)
• S3/S4	Yes
• TPM	TPM1.2 (Infineon TPM Chip 9635 TT 1.2 on Board)
• RAID	5 SATA II with RAID 0,1,5 and 10
• Wake up Mode	LAN Mode (PME/ RPL)
• SmartFan Control	Yes ,Support 3 Modes (Silent/ Optimal/ Performance)

I/O

• MIO	1 x EIDE, 5 x SATA II, 1 x FDD, 1 x eSATA, 2 x RS-232 (5V/ 12V Output) , 1x K/B, 1 x Mouse
• USB	12 x USB 2.0
• DIO	16-bit DIO (8-in/ 8-out)

Ethernet

• LAN 1 & 2	Dual Realtek RTL8111SC Gigabit Ethernet

Display

• Chipset	Intel® Q45 Integrated Intel® Graphics Media Accelerator 4500
• Display Memory	Intel® DVMT 4.0 Supports Up to 384MB Shared Video Memory
• Max. Resolution	2048 x 1536 @ 32bpp (75Hz)
• VGA	Yes, Onboard GMA 4500
• LVDS	Through ADD2 LVDS Card (Customized BIOS)
• DVI	Through ADD2 DVI Card
• HDMI	Through ADD2 HDMI Card
• Secondary VGA	Through ADD2 VGA Card

Audio

• Audio Codec	Realtek ALC888 High-definition Audio Codec Supports 5.1+2-CH Independent Audio Streamings
• Audio Interface	Mic-in, Line-in, Line-out

Mechanical & Environmental

• Power Type	ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	12" x 9.6" (304.8mm x 243.84mm)
• Weight	1.32lbs (0.6Kg)

Ordering Information

- **EAX-Q45-A1R**
  Intel® Core™ 2 Quad/ Core™ 2 Duo ATX Motherboard with Intel® Q45 + ICH10DO Chipset and VGA, Audio, Dual GbE, 12 USB, 2 COM, 5 SATA, 1 eSATA,1 PCIex16, 2 PCIex1 & 4 PCI, iTPM w/ SATA Cable, IDE Cable, Bracket, CD Driver