

## Features

- Intel® LGA 775 socket supports Core™ 2 Quad/ Core™ 2 Duo and 45nm Multi-core processors
- 800/1066/1333 MHz FSB
- Intel® Q45 GMCH Chipset
- up to 8 GB DDR3 SDRAM system memory
- Intel® GMA 4500, Dual display via VGA + DVI
- Realtek® ALC888 5.1 channel HD Audio
- Dual Gigabit LAN
- iAMT supported
- 1 PCIe x16, 1 PCIe x4, 1 PCIe x1, 4 PCI
- 2 COM, 12 USB, 5 SATA/SATAII, 1 eSATA, GPIO
- ATX Form Factor (12" x 9.6")
- FCC Class A , CE , UL ready
- Supported Os: WinXP, XPe, Vista, Windows 7, Linux
- RoHS Compliant

## Specification

### System

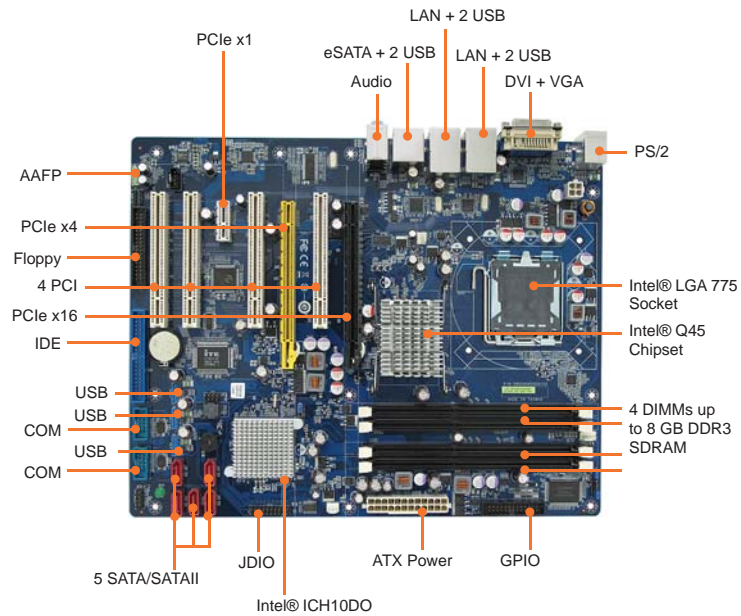
CPU	Intel® LGA775 socket supports Intel® Core™2 Quad / Core™2 Duo Processors Compatible with Intel® 05B/05A/06 processors Supports Intel® next generation 45nm Multi-Core CPU, VRM11.x 3 phase TDP 95W 3 Phase 6 Layer PCB
FSB	800/1066/1333MHz
Chipsets	Intel® Q45 + Intel® ICH10DO Chipsets
System Memory	Four 240-pin DIMMs slots supports up to 8 GB DDR3 800/1066 MHz
BIOS	Award BIOS with 32Mb SPI ROM
Expansion Interface	1 x PCI Express x16 slot (Black Color) 1 x PCI Express x4 slot (physical with PCI-E x16 slot Yellow color) 1 x PCI Express x1 slot 4 x PCI slots
Watchdog Timer	Reset: 1 sec.-255 min. and 1 sec. or 1 min./step (hard reset)
H/W Status Monitor	Monitoring CPU, SYS, Temperatures, voltages +12, +5, 3.3, Vcore, VBAT, and 3 Fan monitor and dependent speed control. Auto/ Manual throttling control when CPU overheats

### Display

Chipset	Intel® Q45 GMCH Integrated Graphics Media Accelerator 4500
Display Memory	Intel® DVMT 4.0 supports Up to 384MB Video Memory
Max. 3D Resolution	2048 x 1536 @ 32 bpp (75Hz)
Dual Display	VGA + DVI output (both located at Rear I/O)

### I/O

MIO	2 x PS/2, 1 x CPU Fan, 1 x Chassis Fan, 1 x Power Fan, 1 x Front Panel, 1 x ATX Power connector, 1 x ATX 12V power connector
USB	6 x USB 2.0 (Rear I/O), 3 x USB pin-headers for additional 6 USB
COM	2 x RS232 pin-headers for COM1 - COM2
GPIO	1 x 8-bit GPIO
SATA	1 x eSATA (Rear I/O), 5 x SATA/ SATAII (RAID 0, 1, 5, 10)



### Audio

AC'97 Codec	Realtek® ALC 888 audio CODEC H 5.1 with Multiple Streaming HD Audio
Audio Interface	Line-out, Line-in, Mic-in 1 x 4-pin audio header with 6W/Ch audio amp. 1 x 4-pin S/PDIF Out header 1 x 5-pin front audio panel header

### Ethernet

LAN 1	Intel® 82567-LM PHY PCIe Gigabit LAN support iAMT5.0
LAN 1	Intel® 82574L PCIe x1 Gigabit LAN Controller

### Mechanical and Environment

Power Type	ATX
Operating Temperature	0~60°C
Operating Humidity	5%~90% relative humidity, non-condensing
Storage Temperature	-20 °C to +80 °C
Form Factor	ATX
Dimensions	12" (L) x 9.6" (W)
Weight	1.45 lbs



## Ordering Information

### BC45Q

Intel® Q45 chipset, 1 PCIe x16, 1 PCIe x4, 1 PCIe x1, 4 PCI, 5 SATA/SATAII RAID, 1 eSATA, 2 COM, 12 USB, VGA, DVI, 2 LAN

\* All product specifications are subject to change without notice. Last update: 12/02/09