

Features

- LGA 775 socket supports 45nm Intel® Core™ 2 Quad/ Core™ 2 Duo multi-core processors
- 800/1066/1333 MHz FSB
- Intel® Q45 Chipset
- up to 8 GB DDR3 SDRAM System Memory
- Intel® GMA 4500 Graphic Engine
- Dual display via VGA + DVI
- 4 x PCI
- 5 x SATA II w/RAID
- 1 x eSATA
- Intel® Active Management Technology 5.0 supported
- Supported Os: WinXP, XPe, Vista, Windows 7, Linux
- FCC Class A , CE , UL ready

Specification

System

CPU	LGA775 socket supports 45nm Intel® Core™ 2 Quad, Core™ 2 Duo and Celeron® multi-core Processors
FSB	800/1066/1333MHz
Chipsets	Intel® Q45 Chipset
System Memory	Four 240-pin DIMM slots supports up to 8 GB dual channel 800/1066 MHz DDR3 memory modules
BIOS	Award 32Mb SPI BIOS
Expansion Interface	1 x PCI Express x16, 1 x PCI Express x4 (x16 physical, yellow), 1 x PCI Express x1, 4 x PCI
Intel® AMT	Intel® Active Management Technology 5.0
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/ Manuel throttling control when CPU overheats

Display

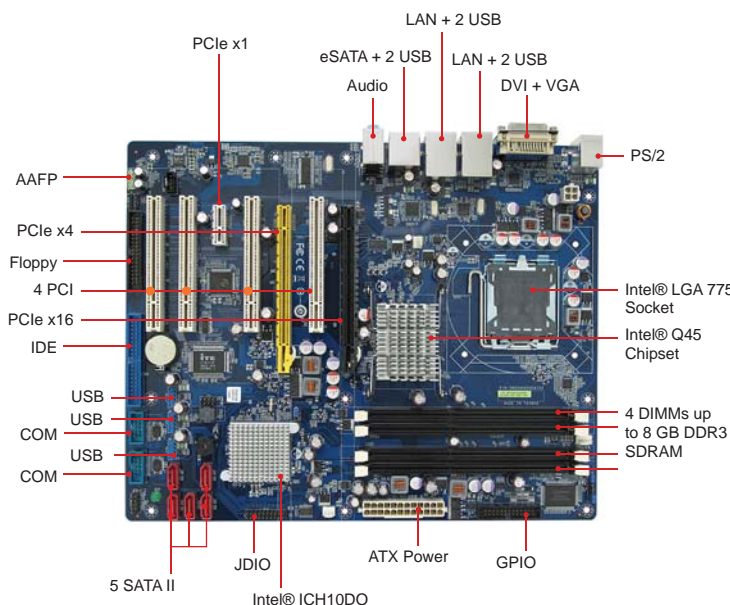
Chipset	Integrated Graphics Media Accelerator 4500
Display Memory	Intel® DVM 4.0 supports Up to 384MB Video Memory
Display Interface	VGA, DVI-D

I/O

MIO	2 x PS/2, 1 x LPT, 1 x IDE, 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	12 x USB 2.0 (Rear: 6; Onboard: 6)
COM	2 x RS232 (Rear: 0; Onboard: 2)
eSATA	1 x eSATA (Rear:1; Onboard: 0)
SATA	5 x SATA II w/ RAID 0, 1, 5 and 10
GPIO	1 x 8-bit GPIO

Audio

AC'97 Codec	Realtek® ALC888/ALC886HD Audio
Audio Interface	Line-in, Line-out, Mic-in, SPDIF



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 ATX Motherboard

Accessory Included

1 x 40-pin IDE Cable, 1 x SATA Cable, 1 x SATA Power Cable, 1 x I/O Shield, 1 x Driver CD, 1 x User's Quick Installation Guide

182437200040

2.54mm pitch 14" length Dual port USB cable w/ full height bracket

CBL-COM2

2.54mm pitch 12" length Serial cable w/ full height bracket

* All product specifications are subject to change without notice. Last update: 06/28/2012