BC45Q

Intel Q45 ATX Motherboard supports
Intel Core 2 Quad/Core 2 Duo Processors

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® DVMT 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