

AX965Q

Intel® Q965 LGA775 Core™ 2 Extreme/ Core™ 2 Quad/
Core™ 2 Duo/ Core™ Duo/ Pentium 4/ Celeron D ATX
Main Board

Startup Manual

Packing List

Before you begin installing your single board, please make sure that the following parts have been shipped.

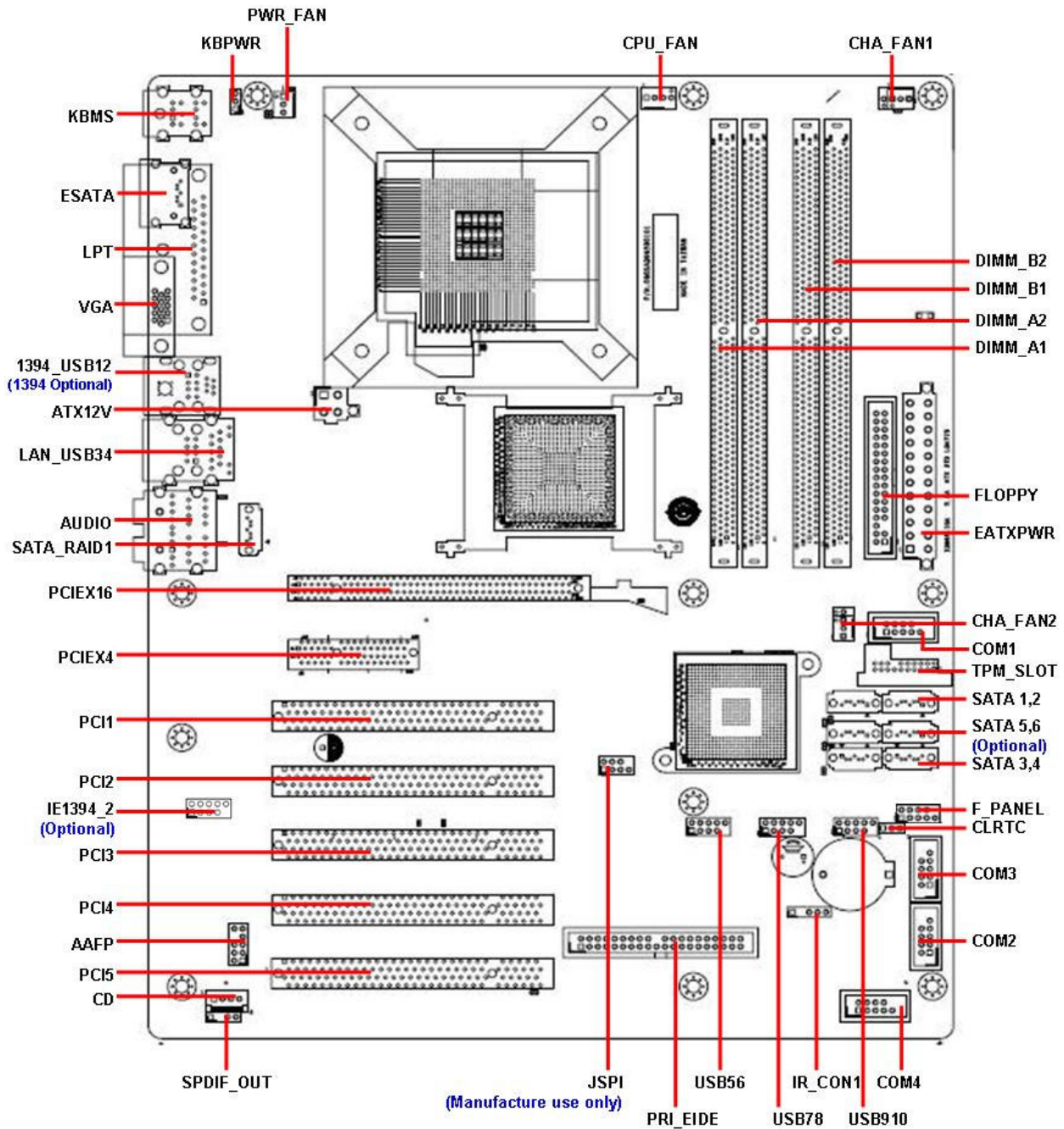
- 1 x Intel Q965 ATX Main board
- 1 x CD-ROM contains the followings:
 - User's Manual in PDF file
 - Drivers
- 4 x COM cable (9-pin, 260mm)
- 1 x 2-in-1 FD/ATA cable
- 4 x SATA cable kit (SATA/Power)
- 1 x Startup Manual

Disclaimer and Notice



The manufacturer reserves the right to make changes, without notice, to any product, including circuits and/or software described or contained in this manual in order to improve design and/or performance. The manufacturer assumes no responsibility or liability for the use of the described product(s), conveys no license or title under any patent, copyright, or masks work rights to these products, and makes no representations or warranties that these products are free from patent, copyright, or mask work right infringement, unless otherwise specified. For the detail product information, please refer to user's manual.

Product Overview







Specifications

System

| | |
|-----------------------|---|
| CPU | Supports Intel LGA 775 Core 2 Extreme/Core 2 Quad/Core 2 Duo/Core Duo/Pentium 4 /Celeron D CPU with 65nm process technology |
| FSB | 1066/800/533 MHz |
| BIOS | Award 16 Mb SPI BIOS |
| System Chipset | Intel 82Q965 GMCH/ ICH8 |
| I/O Chipset | Winbond W83627DHG-A |
| Memory | 4 x 240-pin DIMM sockets support up to 8GB Dual Channel DDR2 800/667/533 SDRAM |

| System | |
|---------------------|---|
| H/W Status Monitor | Monitoring temperatures, voltages, and cooling fan status. Auto throttling control when CPU overheats |
| Expansion Slots | One PCI Express x16, one PCI Express x4, five PCI slots (PCI Rev. 2.2 compliant) |
| S3 | S3 Support |
| Smart Fan Control | Yes |
| I/O | |
| MIO | 1 x EIDE (Ultra DMA 133) , 8 x SATA 1 x FDD, 1 x LPT, 4 x RS-232, 1 x K/B, 1 x Mouse |
| USB | 10 x USB 2.0 ports |
| IEEE-1394A / e-SATA | 1 x IEEE-1394 (Optional), 1 x e-SATA |
| Display | |
| Chipset | Intel 82Q965 GMCH integrated Graphics Media Accelerator 3000 |
| Display Memory | Intel DVMT 4.0 supports 256 MB video memory |
| Resolution | 2048 x 1536 @ 32 bpp (75 Hz) |
| VGA/LCD Interface | PCI-E X16 VGA interface |
| HMDI | Through ADD2 HMDI card |
| LVDS | Through ADD2 LVDS card |
| DVI | Through ADD2 DVI card |
| Secondary VGA | Through ADD2 VGA card |
| Audio | |
| AC97 Codec | ADI AD1988 7.1-CH High Definition Audio Codec |
| Audio Interface | Mic in, Line in, CD Audio in, Line out, 6-CH (6 jacks) |
| Ethernet | |
| LAN1 | Intel 82566DM PCI-E Gigabit LAN |

| Jumpers | | | |
|---------|----------------|--|---|
| Label | Function | Note | |
| CLRTC | Clear CMOS | Normal * | Clear CMOS |
| | |  |  |
| KBPWR | Keyboard Power | +5V * | +5VSB |
| | |  |  |

Connectors

| Label | Function | Note |
|-----------------------------------|---|---|
| AAFP | Front Panel Audio Connector | |
| CPU_FAN, CHA_FAN1, CHA_FAN2 | CPU & Chassis Fan Connector | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>CHA_FAN1</p> </div> <div style="text-align: center;"> <p>CHA_FAN2</p> </div> <div style="text-align: center;"> <p>CPU_FAN</p> </div> </div> |
| F_PANEL | System Panel Connector | |
| IE1394_2 (Optional) | IEEE 1394a Connector | |
| PWR_FAN | Power Fan Connector | |
| SPDIF_OUT | Digital Audio Connector | |
| TPM_SLOT1 | Trusted Platform Module (TPM) Connector | |