# Intel® 915GV LGA775 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.
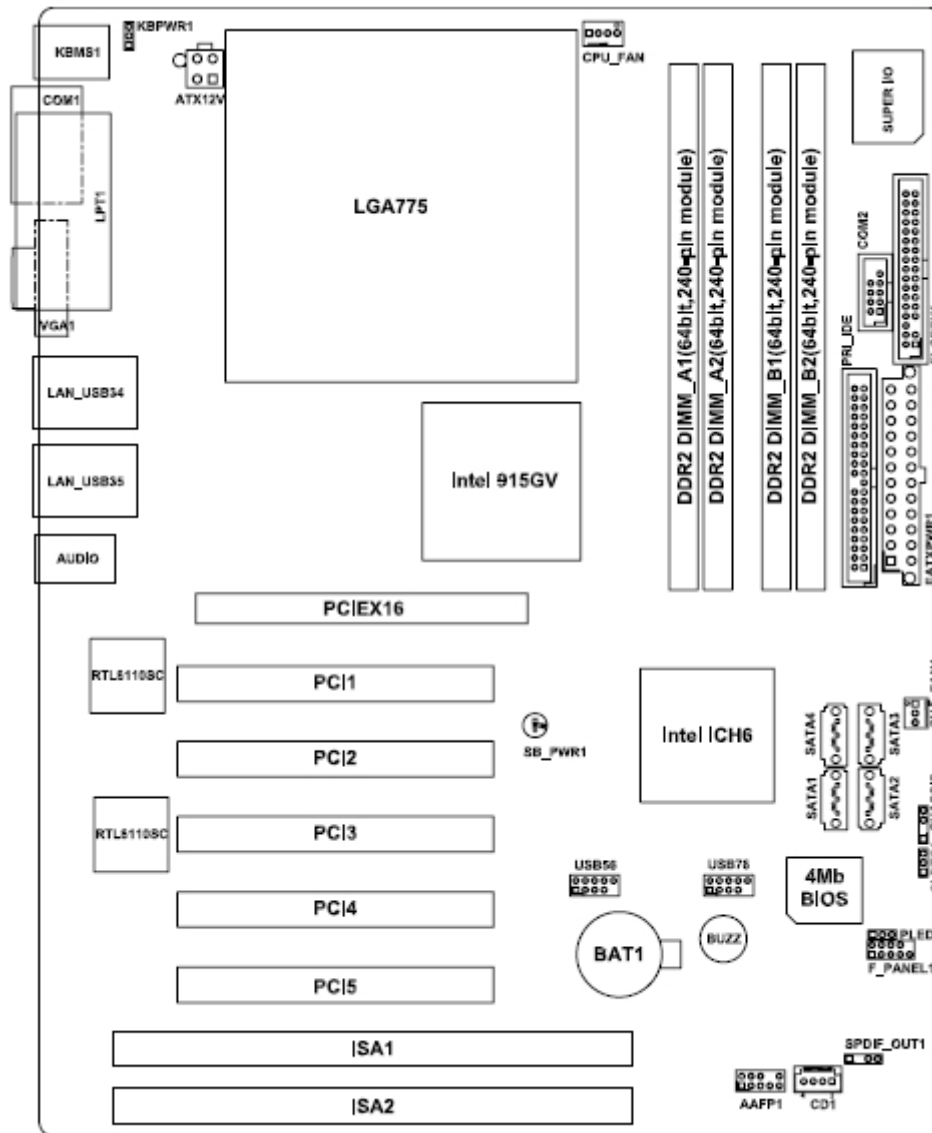
- 1 x Intel 915GV ATX Main board
- 1 x CD-ROM contains the followings:
  - User's Manual in PDF file
  - Drivers
- 1 x 2-in-1 FD/ATA cable
- 1 x COM1 cable (9-pin, 260mm)
- 2 x SATA cable
- 1 x Startup Manual

## 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



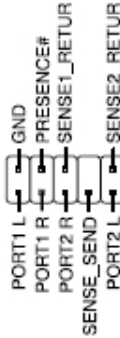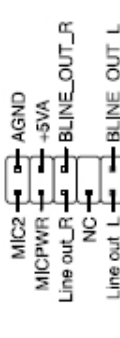# Specifications

## System

| | |
|---|---|
| **CPU** | Supports Intel LGA775 socket Supports Pentium 4 / Celeron D with 65nm process technology |
| **FSB** | 800//533 MHz |
| **BIOS** | Award 4 Mb Flash ROM BIOS |
| **System Chipset** | Intel 82915GV GMCH/ ICH6 |
| **I/O Chipset** | Winbond W83627EHG-A |
| **Memory** | Four 240-pin DIMM sockets support up to 4 GB Dual Channel DDR2 667/533/400 SDRAM |
| **Watchdog Timer** | Reset: 1 sec.~255 min. and 1 sec. or 1 min./step |
| **H/W Status Monitor** | Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats |
| **Expansion Slots** | One PCI Express X16, Five PCI slot (PCI Rev. 2.2 compliant), Two ISA slots |
| **S3** | S3 Support |
| **Smart Fan Control** | Yes |

| I/O | |
|---|---|
| **MIO** | 1 x EIDE (Ultra DMA 100), 4 x SATA, 1 x FDD, 1 x LPT, 2 x RS-232, 1 x K/B, 1 x Mouse |
| **USB** | 8 x USB 2.0 ports |

| Display | |
|---|---|
| **Chipset** | Intel® 82915GV GMCH integrated Graphics Media Accelerator 900 |
| **Display Memory** | Intel® DVMT 3.0 supports 128 MB video memory |
| **Resolution** | 2048 x 1536 @ 32 bpp (75 Hz) |
| **External VGA Interface** | PCI-E x16 for SDVO interface |
| **LVDS** | Through ADD2 LVDS Card |
| **DVI** | Through ADD2 DVI Card |
| **Secondary VGA** | Through ADD2 VGA Card |

| Audio | |
|---|---|
| **AC97 Codec** | Realtek ALC888 supports 7.1-CH high-definition audio stream |
| **Audio Interface** | Mic in, Line in, CD Audio in, Line out |

| Ethernet | |
|---|---|
| **LAN1 / LAN2** | Realtek RTL8110SC PCI Gigabit LAN |

| Jumpers | | |
|---|---|---|
| **Label** | **Function** | **Note** |
| **CLRTC1** | **Clear CMOS** | Normal *     Clear CMOS |
| **KBPWR1** | **Keyboard Power** | +5V     +5VSB * |

| Connectors | | |
|---|---|---|
| **Label** | **Function** | **Note** |
| **AAFP1** | **Front Panel Audio Connector** | Azalia compliant definition     Legacy AC'97 compliant definition |

## Connectors

| Label | Function | Note |
|---|---|---|
| CD1 | Internal Audio Connectors | Right Audio Channel, Ground, Ground, Left Audio Channel |
| CPU_FAN1, CHA_FAN1 | CPU and Chassis Fan Connectors | **CPU_FAN1**: GND, CPU FAN PWR, CPU FAN IN, CPU FAN PWM    **CHA_FAN1**: Rotation, +12V, GND |
| F_PANEL1 | System Panel Connector | PLED / PWRSW — PLED+, PLED-, PWR, GND; IDELED / RESET — IDELED+, IDELED-, Ground, Reset |
| PLED1 | Power LED Connector | 1 — PLED+, NC, PLED- |
| SPDIF_OUT1 | Digital Audio Connector | +5V, SPDIFOUT, GND |
| USB56, USB78 | USB Connectors | **USB56**: USB+5V, USB_P6-, USB_P6+, GND, NC / USB+5V, USB_P5-, USB_P5+, GND, GND    **USB78**: USB+5V, USB_P8-, USB_P8+, GND, NC / USB+5V, USB_P7-, USB_P7+, GND, GND |