AIMB-763

Startup

Manual

Packing List
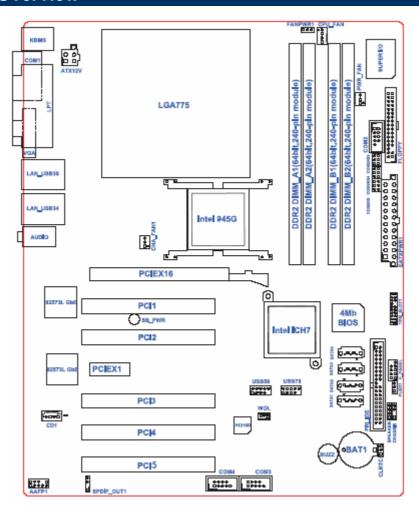
Before you begin installing your single board, please make sure that the following materials have been shipped:

- 1 x AIMB-763 ATX Motherboard
- 1 x CD-ROM or DVD-ROM contains the followings:
  - User's Manual (this manual in PDF file)
  - Drivers
- 2 x SATA data cable
- 2 x SATA power cable
- 1 x FDD cable (34-pin, pitch 2.54mm)
- 1 x IDE cable
- 3 x Serial port cable for G2 version
- 1 x Serial port cable for VG version
- 1 x I/O bracket
- 1 x Startup Manual
- 1 x Warranty card

Product Overview

System Specifications

CPU	LGA775 socket for Intel® Pentium® D/ Pentium® 4/ Celeron® / Core™2 Duo processor Compatible with the Intel® 05B/05A and 04B/ 04A processors Supports Intel® Enhanced Memory 64 Technology (EM64T) Supports Enhanced Intel® SpeedStep® Technology (EIST) Supports Intel® Hyper-Threading Technology
Chipset	Northbridge: Intel® 945G Southbridge: Intel® ICH7
Front Side Bus	1066/800/533 MHz
Memory	4 x 240-pin DIMM sockets support up to 4GB Dual Channel DDR2 400/533/667 MHz SDRAM
Integrated Graphics	Integrated Intel® Graphics Media Accelerator 950
Expansion slots	1 x PCI Express x16 slot for discrete graphics cards 1 x PCI Express x1 5 x PCI slots
Storage	Intel(R) ICH7 South Bridge supports: - 1 x Ultra DMA 100/66/33 - 4 x Serial ATA 3Gb/s ports
Audio	Realtek® ALC888 8-channel High-Definition aduio CODEC S/PDIF out interface support Universal Audio Jack (UAJ (R)) Sensing Technology support
LAN	Intel® 82573L Gigabit LAN controller
USB	Supports up to 8 USB 2.0 ports
Rear panel	1 x Parallel port 1 x LAN (RJ-45) port for VG; 2 x LAN (RJ-45) port for G2 4 x USB 2.0 ports 1 x Serial port (COM) 1 x VGA port 1 x PS/2 keyboard port 1 x PS/2 mouse port 1 x Audio I/O

BIOS features	4 Mb Flash ROM, Award BIOS, PnP, WfM2.0, DMI2.0, SM BIOS 2.3
Industry standard	PCI 2.2, USB 2.0
Manageability	WfM 2.0, DMI 2.0, WOL by PME, WOR by PME, Chassis Intrusion
Internal connectors	2 x USB 2.0 connectors for 4 additional USB 2.0 ports 1 x CPU fan connector 1 x Chassis fan connector 1 x Power fan connector 1 x 24-pin ATX power connector 1 x 4-pin ATX 12 V power connector 1 x CD in connector 1 x Front panel high-definition audio connector 1 x S/PDIF out connector 1 x TPM connector (Option) 1 x COM port (for VG) ; 3 x COM port (for G2) 1 x 3-pin Power LED connector (PLED)
Power Requirement	ATX power supply (with 20-pin and 4-pin 12 V plugs)
Form Factor	ATX form factor: 12 in x 9.6 in (304.8 mm x 243.84 mm)
Support CD contents	Device drivers

Connectors

Connector

Label	Function
FPPD	Floppy
PRI_IDE	Primary IDE
SATA1	SATA connector
SATA2	SATA connector
SATA3	SATA connector
SATA4	SATA connector
Speaker	Speaker
CPU_Fan	CPU fan power connector
PWR_Fan	System fan power connetor
CHA_FAN	System fan power connector
SPDIF_Out	Digital Audio connector
PLED	Power LED
EATXPWR	24 Pin ATX power connector
ATX12V	4 Pin 12V power connector
CD1	Optical driver audio connector
USB56	USB connector
USB78	USB connector
AAFP	Front panel audio connector
Chassis	Chassis instruction connector
F_Panel	System panel connector
COM2RS	Jumper to configure RS 232/422/485
COM2RS3	Jumper to configure RS 232/422/485
COM2RS4	Jumper to configure RS 232/422/485
COM2	RS-232/422/485
COM3	RS-232 (only for G2 version)
COM4	RS-232 (only for G2 version)