AIMB-253L µFC-PGA 478 Core™ 2 Duo / Core™ Duo / Core™ Solo mobile CPU Mini ITX Main Board

Startup Manual

Packing List

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

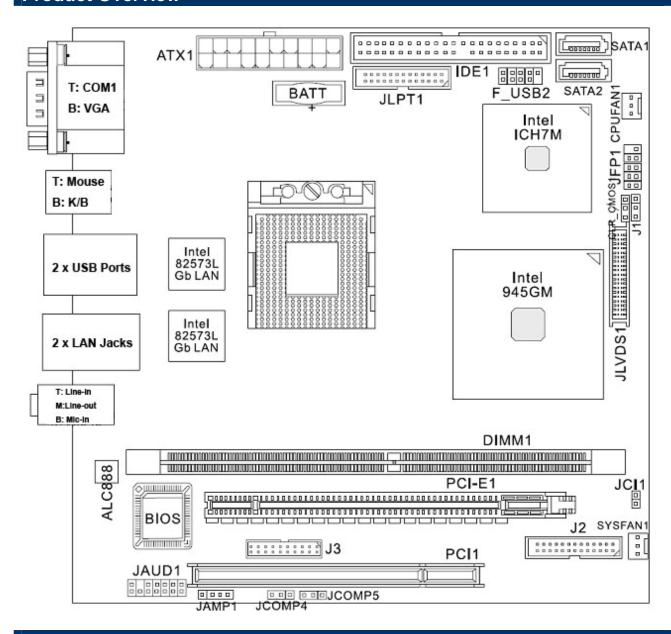
- 1 x AIMB-253L Mini ITX Motherboard
- 1 x CD-ROM contains the followings:
 - User's Manual (in PDF file)
 - Drivers
- 2 x SATA data cable
- 1 x IDE cable
- 1 x Serial port kits for 4 serial ports
- 1 x I/O bracket
- 1 x CPU cooler
- 1 x Startup Manual
- 1 x Warranty card

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.

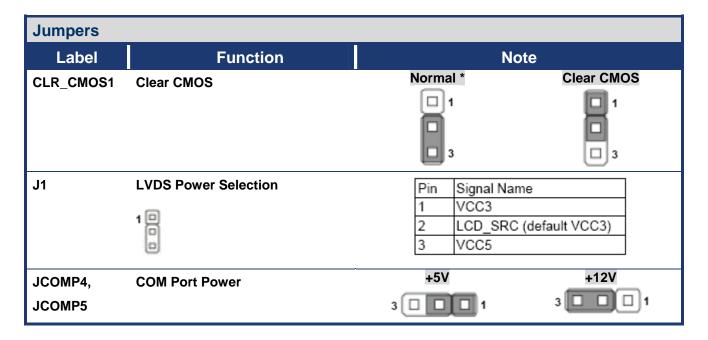
Product Overview



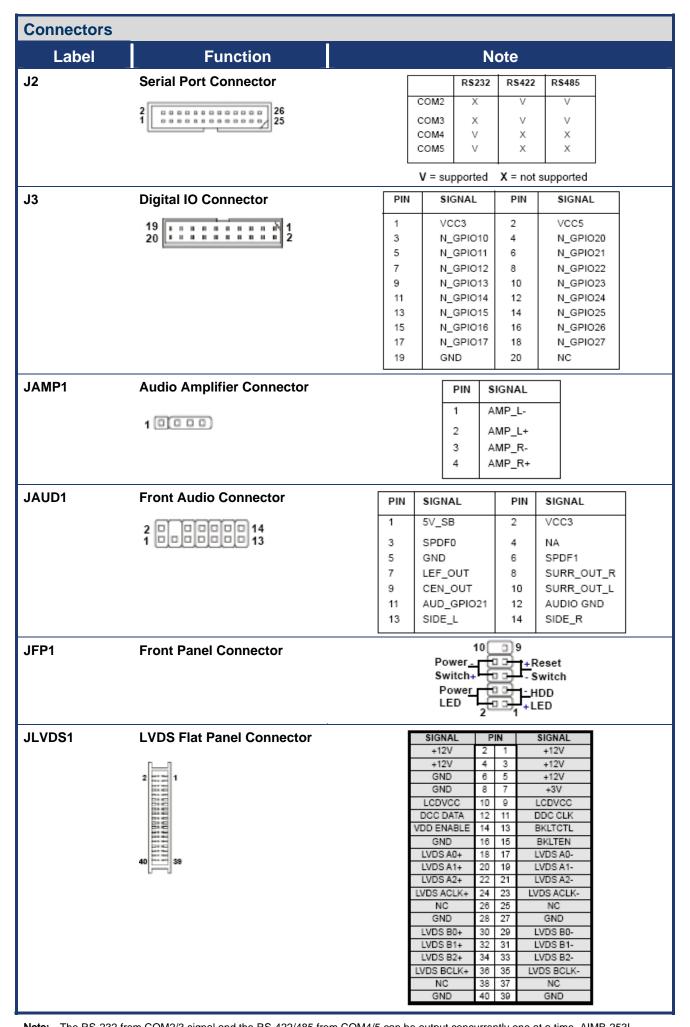
Specifications

System			
CPU	Supports Intel μFC-PGA 478 Core 2 Duo / Core Duo / Core Solo mobile CPU with 65nm process technology		
FSB	533/667 MHz		
BIOS	Award 4 Mb Flash ROM BIOS		
System Chipset	Intel 82945GM(E) GMCH/82801GM(E) ICH7-M		
I/O Chipset	Winbond W83627EHG		
Memory	One 240-pin DIMM sockets support up to 2 GB Dual Channel DDR2 533/667 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, One PCI slot (PCI Rev. 2.2 compliant)		
S3	S3 Support		
Smart Fan Control	Yes		

I/O				
MIO	1 x EIDE (Ultra DMA 100), 1 x LPT, 2 x SATA, 1 x RS-232 (D-sub), 2 x RS-232			
	& 2 x RS-422/485 (Through 26-pin extension cable), 1 x K/B, 1 x Mouse			
USB	4 x USB 2.0 ports			
DIO	16-bit General Purpose I/O for DI and DO			
Display				
Chipset	Intel® 82945GM(E) GMCH integrated Graphics Media Accelerator 950			
Display Memory	Intel® DVMT 3.0 supports 224 MB video memory			
Resolution	2048 x 1536 @ 32 bpp (85 Hz)			
Dual Display	CRT + LVDS			
LVDS	Intel® 945GM(E) Dual 18-bit/24-bit LVDS			
DVI / Onboard DVI Chips	Through ADD2 DVI Card			
Secondary VGA	Through ADD2 VGA Card			
Audio				
AC97 Codec	Realtek ALC888 5.1+2 CH high definition audio codec			
Audio Interface	Mic. in, Line in, Line out, S/PDIF			
Ethernet				
LAN1 / LAN2	Intel 82573L Gigabit LAN			



Connectors			
Label	Function	Note	
CPUFAN1, SYSFAN1	Fan Power Connectors	CPUFAN1 SENSOR +12V GND	SYSFAN1 SENSOR 112V GND GND



Note: The RS-232 from COM2/3 signal and the RS-422/485 from COM4/5 can be output concurrently one at a time. AIMB-253L supports 3 serial ports output the most.