MX852GM-C6

Intel® Celeron® M 600MHz 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 Intel Celeron M 600MHz Mini ITX Main board
- 1 x CD-ROM contains the followings:
  - User's Manual in PDF file
  - Drivers
- 3 x COM cable
- 1 x IDE HDD cable (40-pin)
- 1 x IDE HDD cable (44-pin)
- 1 x FDD cable (34-pin)
- 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.

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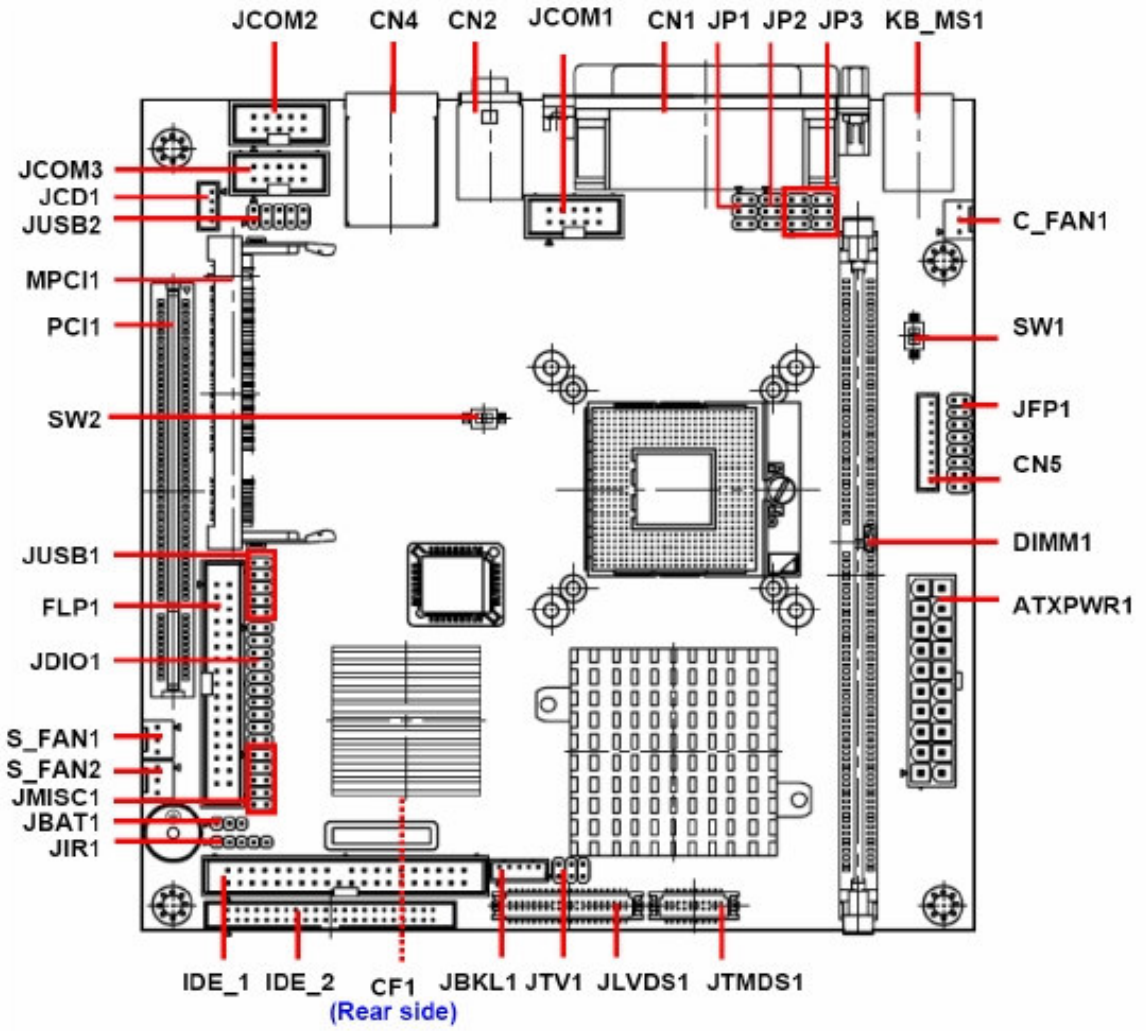
Product Overview

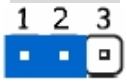
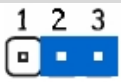
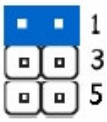
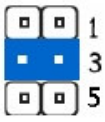
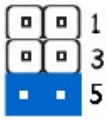
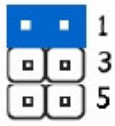
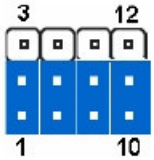
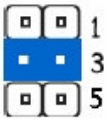
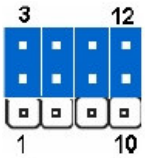
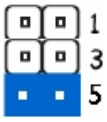
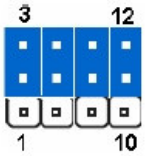


Specifications

System	
CPU	Onboard Intel Celeron M 600MHz w/512K 2nd Level Cache with 0.13um process technology
FSB	400 MHz
BIOS	Award 4 Mb Flash ROM BIOS
System Chipset	Intel 82852GM GMCH/82801DB ICH4
I/O Chipset	Winbond W83627HF-AW
Memory	1 x 184-pin DIMM socket supports up to 1 GB DDR 200/266 SDRAM
SSD	1 x CompactFlash Type I/II socket
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	1 x PCI slot (PCI Rev.2.2 compliant), 1 x Mini PCI
S3	S3 Support
I/O	
MIO	2 x EIDE (Ultra DMA 100), 1 x FDD, 1 x LPT, 3 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse

I/O	
IrDA	115k bps, IrDA 1.0 compliant
USB	6 x USB 2.0 ports
DIO	16-bit General Purpose I/O for DI and DO
Display	
Chipset	Intel 82852GM GMCH integrated Extreme Graphics 2 controller
Display Memory	Intel® DVMT 2.1 supports up to 64 MB video memory
Resolution	CRT mode: 1600 x 1200 @ 32 bpp (85 Hz) LVDS/Simultaneous mode: 1600 x 1200 @ 32 bpp (85Hz)
Dual Display	CRT + LVDS, or DVI/TV-out + LVDS or CRT + DVI
Onboard LVDS	Intel 8552GM supports Single channel 18/24-bit/Dual-channel 36-bit LVDS
DVI / Onboard DVI Chips	Chrontel CH7009A DVI transmitter up to 135M pixels/second
Secondary VGA	Chrontel CH7009A TV encoder supports both NTSC/PAL
Built-in Touch Screen (Optional)	
Chipset	PenMount DMC9000
Touch Screen Interface	With 9-pin 2mm box header (can be selected to support 4/5/8-wire touch screen)
Audio	
AC97 Codec	VIA VT1616 supports 5.1 CH AC97 Audio
Audio Interface	Mic in, Line in, CD audio in, Line out
Ethernet	
LAN	Realtek RTL8110S Gigabit LAN

Jumpers

Label	Function	Note
JBAT1	**Clear CMOS**	**Normal ***  **Clear CMOS** 
JP1	**COM1 Pin 9 Signal Select**	**Ring***  **+5V**  **+12V** 
JP2, JP3	**COM1 RS-232/422/485 Select**	**JP2** **JP3** **RS-232 (Default)**  +  **RS-422**  +  **RS-485**  + 

Connectors

Label	Function	Note
C_FAN1	CPU Fan Connector	

Signal	PIN
TAC	3
+12V	2
GND	1

Label	Function	Note
JBKL1	LCD Inverter Connector	

Signal	PIN
+12V	1
GND	2
ENBKL	3
VR	4
+5V	5

Label	Function	Note
JFP1	Front Panel Connector	

Signal	PIN	PIN	Signal
RESET	1	2	SYS_LED+
GND	3	4	SYS_LED-
HDD_LED+	5	6	PWR_LED+
HDD_LED-	7	8	PWR_LED-
VCCSB	9	10	SUS_LED+
PWR_BUT	11	12	SUS_LED-
SUS_BUT	13	14	SPK+
GND	15	16	SPK-

Label	Function	Note
JMISC1	Miscellaneous Setting Connector	

Signal	PIN	PIN	Signal
CASEOPEN#	1	2	VTIN3
GND	3	4	THRMDN
+5V	5	6	+5V
VR	7	8	#MASTER
GND	9	10	GND

Label	Function	Note
JTV1	TV Out Connector	

Signal	PIN	PIN	Signal
TVCVB	1	2	GND
TVYFCC2	3	4	TVCFCC2
GND	5	6	GND

Label	Function	Note
S_FAN1, S_FAN2	System Fan Connector 1 & 2	

Signal	PIN
TAC	3
+12V	2
GND	1