

About this guide

This user guide contains the information you need when installing and configuring the motherboard.

How this guide is organized

This guide contains the following parts:

- Chapter 1: Product Introduction

This chapter describes the features of the motherboard and the new technology it supports.

- Chapter 2: BIOS information

This chapter tells how to change system settings through the BIOS Setup menus. Detailed descriptions of the BIOS parameters are also provided.

Conventions used in this guide

To ensure that you perform certain tasks properly, take note of the following symbols used throughout this manual.



DANGER/WARNING: Information to prevent injury to yourself when trying to complete a task.



CAUTION: Information to prevent damage to the components when trying to complete a task.



IMPORTANT: Instructions that you MUST follow to complete a task.



NOTE: Tips and additional information to help you complete a task.

Where to find more information

Refer to the following sources for additional information and for product and software updates.

- ASUS websites

The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS contact information.

- Optional documentation

Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer. These documents are not part of the standard package.

Typography

Bold text

Italics

<Key>

Indicates a menu or an item to select.

Used to emphasize a word or a phrase.

Keys enclosed in the less-than and greater-than sign means that you must press the enclosed key.

Example: <Enter> means that you must press the Enter or Return key.

<Key1>+<Key2>+<Key3>
If you must press two or more keys simultaneously, the key names are linked with a plus sign (+).

Example: <Ctrl>+<Alt>+<D>

M5A78L-M LX Series specifications summary

CPU	AMD® Socket AM3+ for AMD® FX™ / Phenom™ II / Athlon™ II / Sempron™ 100 series processors AMD® Cool'n'Quiet™ Technology Supports CPU up to 125W * Refer to www.asus.com for the AMD® CPU support list
Chipset	AMD® 760G(780L) / SB710
Frontside bus	Up to 5200 MT/s HyperTransport™ 3.0 interface
Memory	Dual-channel memory architecture 2 x 240-pin DIMM slots support maximum 8GB unbuffered ECC and non-ECC DDR3 1866(O.C.) / 1600(O.C.) / 1333 / 1066MHz memory modules * AMD® FX™ Series CPU on this motherboard supports up to DDR3 1866MHz as its standard memory frequency. ** Due to CPU specification, AMD® 100 and 200 series CPUs support up to DDR3 1066MHz. With ASUS design, this motherboard can support up to DDR3 1333MHz. *** When overclocking, some AMD CPU models may not support DDR3 1600 MHz or higher frequency DIMMs. **** Refer to www.asus.com for the latest Memory QVL (Qualified Vendors List). ***** Use a 64-bit Windows® OS if you want to install 4GB or more memory on the motherboard.
Graphics	Integrated ATI Radeon™ HD 3000 GPU Supports max. shared memory of 1GB Supports RGB with max. resolution of 2560 x 1440 (@75Hz) Supports Microsoft® DirectX 10 Supports Hybrid CrossFireX™ * Refer to www.amd.com for the discrete GPUs that support Hybrid CrossFireX™.
Expansion slots	1 x PCIe 2.0 x16 slot 2 x PCIe 2.0 x1 slots 1 x PCI slot
Storage / RAID	6 x Serial ATA 3Gb/s connectors support RAID 0, RAID 1, RAID 10, and JBOD configurations
LAN	Realtek® RTL8111E PCIe Gigabit LAN controller
Audio	Realtek® ALC887 8-channel* High Definition Audio CODEC * Use the chassis with HD audio module in the front panel to support 8-channel audio output.
USB	Supports up to 10 USB 2.0 ports (6 ports at mid-board, 4 ports at the back panel)

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