

ASUS P5G41T-M LX3

ASUS P5G41T-M LX3 Motherboard User Manual

Model: P5G41T-M LX3

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the ASUS P5G41T-M LX3 microATX motherboard. It is designed to assist users in setting up their system correctly and efficiently.

2. SETUP AND INSTALLATION

2.1 Unpacking and Package Contents

Carefully unpack the motherboard and check the contents against the list below. If any item is damaged or missing, contact your retailer.



Figure 2.1: ASUS P5G41T-M LX3 Motherboard and included accessories.

- ASUS P5G41T-M LX3 Motherboard
- I/O Shield
- SATA Data Cables
- User Guide
- Support DVD (Drivers and Utilities)

2.2 Motherboard Layout

Familiarize yourself with the various components and connectors on the motherboard before installation.



Figure 2.2: Overview of the ASUS P5G41T-M LX3 Motherboard components.

2.3 CPU Installation

The motherboard supports Intel LGA775 processors. Ensure the CPU socket lever is open before gently placing the CPU, aligning the golden triangle on the CPU with the mark on the socket. Close the lever to secure the CPU.

2.4 Memory (RAM) Installation

This motherboard supports DDR3 1066MHz memory modules. Insert the memory modules into the DIMM slots, ensuring the notches on the module align with the keys in the slot. Press down firmly until the clips on both ends snap into place.

2.5 Expansion Card Installation

Install PCI Express (PCIe) or PCI expansion cards into the appropriate slots. Secure the cards with screws to the chassis.

2.6 Storage Device Connection

Connect SATA storage devices (hard drives, SSDs, optical drives) to the SATA ports on the motherboard using the provided SATA cables.

2.7 Front Panel Connectors

Connect the chassis front panel cables (power button, reset button, HDD LED, power LED, USB ports, audio jacks) to the corresponding headers on the motherboard. Refer to the motherboard layout for exact locations.

2.8 Power Supply Connection

Connect the 24-pin ATX power connector and the 4-pin ATX 12V power connector from your power supply unit (PSU) to the respective ports on the motherboard.

2.9 Mounting the Motherboard

Carefully place the motherboard into your computer chassis, aligning the screw holes. Secure the motherboard with screws, ensuring it is properly seated on the standoffs.

3. OPERATING INSTRUCTIONS

3.1 First Boot and BIOS Setup

After completing hardware installation, connect your monitor, keyboard, and mouse. Power on the system. During startup, press the 'Delete' key (or as indicated on screen) to enter the BIOS setup utility. Here you can configure boot order, system time, and other essential settings.

3.2 Driver Installation

Once the operating system is installed, install the necessary drivers from the included support DVD or download the latest versions from the ASUS official website. This includes chipset drivers, audio drivers, LAN drivers, and any other peripheral drivers.



Figure 3.1: Rear I/O panel of the ASUS P5G41T-M LX3 Motherboard.

4. MAINTENANCE

4.1 Cleaning

Regularly clean dust from the motherboard and components using compressed air. Ensure the system is powered off and unplugged before cleaning. Avoid using liquid cleaners directly on components.

4.2 BIOS Updates

Periodically check the ASUS support website for BIOS updates. BIOS updates can improve system stability, compatibility, and performance. Follow the instructions provided by ASUS carefully when performing a BIOS update.

5. TROUBLESHOOTING

5.1 Common Issues

- **No Power:** Check all power connections (24-pin ATX, 4-pin ATX 12V), ensure the PSU is switched on, and verify the front panel power button connection.

- **No Display:** Ensure the monitor is connected and powered on. Check the graphics card (if applicable) and its power connection. Reseat RAM modules.
- **System Fails to Boot:** Check CPU and RAM installation. Listen for beep codes from the motherboard speaker, which can indicate specific hardware issues.

5.2 Beep Codes

Refer to the motherboard's specific beep code definitions in the full user manual for detailed diagnostics. Common codes include:

- **One short beep:** System boots successfully.
- **Continuous beeps:** Memory or power issue.
- **Long beep, then two short beeps:** Graphics card error.



Figure 5.1: Detailed view of the rear I/O ports for troubleshooting connectivity.

6. SPECIFICATIONS

Feature	Specification
CPU Socket	LGA775
Chipset	Intel G41 / ICH7
Memory	2 x DDR3 DIMM, Max. 8GB, DDR3 1333(O.C.)/1066/800 MHz Non-ECC, Un-buffered Memory
Expansion Slots	1 x PCIe x16, 2 x PCI
Storage	4 x SATA 3Gb/s ports
USB Ports	8 x USB 2.0 ports (4 at mid-board, 4 at back panel)
Audio	VIA VT1708S 8-Channel High Definition Audio CODEC
LAN	Realtek RTL8111E Gigabit LAN controller
Form Factor	microATX (9.6 inch x 7.9 inch)

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official ASUS support website. The website provides drivers, FAQs, and contact information for customer service.

ASUS Support Website: www.asus.com/support/

Related Documents - P5G41T-M LX3

<div><div>P5KPL-VM</div><div><div>ASUS</div><div>Motherboard</div></div></div>	<div><div>ASUS P5KPL-VM Motherboard User Manual and Specifications</div><div>This user manual provides comprehensive information for the ASUS P5KPL-VM motherboard, including installation guides, BIOS setup, software support, technical specifications, and safety precautions. Learn how to configure and optimize your system.</div></div>
<div><div>P7P55-M</div><div><div>ASUS</div><div>Motherboard</div></div></div>	<div><div>ASUS P7P55-M Motherboard User Manual</div><div>Comprehensive user manual for the ASUS P7P55-M motherboard, detailing installation, BIOS configuration, system specifications, and advanced features for Intel LGA1156 processors.</div></div>
<div><div>P5S-MX SE</div><div><div>Motherboard</div><div>ASUS</div></div></div>	<div><div>ASUS P5S-MX SE Motherboard User Manual</div><div>User manual for the ASUS P5S-MX SE motherboard, detailing installation, BIOS configuration, software support, and technical specifications. Includes guides on CPU installation, memory setup, expansion slots, and system utilities.</div></div>
<div><div>Index</div><div><div>1. Table of Contents</div><div>2. Introduction</div><div>3. Features</div><div>4. Specifications</div><div>5. BIOS Setup</div><div>6. Hardware Installation</div><div>7. Software Installation</div><div>8. Troubleshooting</div><div>9. Appendix</div><div>10. Glossary</div><div>11. Index</div><div>12. Legal Notices</div><div>13. Contact Information</div><div>14. Revision History</div><div>15. Copyright</div><div>16. ASUS Logo</div></div></div>	<div><div>ASUS Motherboard Installation Guide</div><div>Comprehensive installation guide for ASUS motherboards, detailing steps for CPU, RAM, heatsink, and component installation, along with safety and troubleshooting tips.</div></div>
<div><div>ASUS</div><div>PRIME Z490-A</div><div><div>ASUS</div><div>PRIME Z490-A</div></div></div>	<div><div>ASUS PRIME Z490-A Motherboard Quick Start Guide Installation & Setup</div><div>Comprehensive quick start guide for the ASUS PRIME Z490-A motherboard. Learn how to install the CPU, memory, expansion cards, storage, connect peripherals, and set up your system. Includes setup instructions and support links.</div></div>

<div>PRIME Z490-P</div> <div>ASUS Motherboard</div>	<div>ASUS PRIME Z490-P</div> <div>ASUS PRIME Z490-P</div> <div>BIOS</div>
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Documents - ASUS – P5G41T-M LX3

ASUS 775 P5G41T-M LX3 M-ATX 1333FSB



- Product Group: Motherboards
- Manufacturer: ASUS
- Product Name: ASUS SKT-775 P5G41T-M LX3 S/V/L M-ATX 1333FSB
- Web Address: www.asus.com
- Model Number: P5G41T-M LX3
- Package Type: Retail
- BIOS: AMI
- Chipset: Intel G41 + ICH7
- CPU Interface: Socket 775
- Max. CPU Support:
 - Celeron E60
 - Celeron Dual Core E7500
 - Pentium Dual Core E6600
 - Core 2 Duo E7300
 - Core 2 Duo E7500
 - Core 2 Duo E6700
 - Core 2 Duo E6850
 - Core 2 Duo E6900
 - Core 2 Duo E6960
 - Core 2 Duo Q9300
 - Core 2 Duo Q9400
 - Core 2 Duo Q9550
 - Core 2 Extreme Q9600
 - Core 2 Extreme X6800

[\[pdf\]](#) Datasheet

1377416 farnell 80 datasheets

ASUS 775 **P5G41T-M LX3** M-ATX 1333FSB Product Group: Motherboards
Manufacturer: ASUS Product Name: ASUS SKT-775 **P5G41T-M LX3** S/V/L M-ATX 1333FSB Web Address: www.asus.com Model Number: **P5G41T-M LX3** Package Type: Retail BIOS: AMI Chipset: Intel G41 ICH7 CPU Interface: Socket 775 Max. CPU Su...

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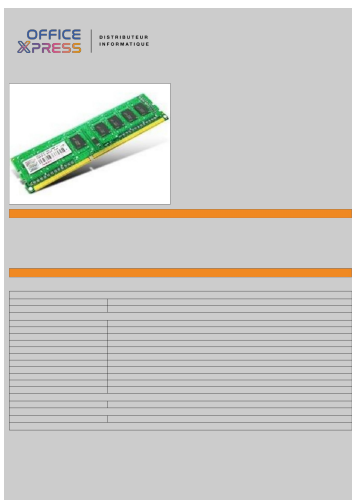
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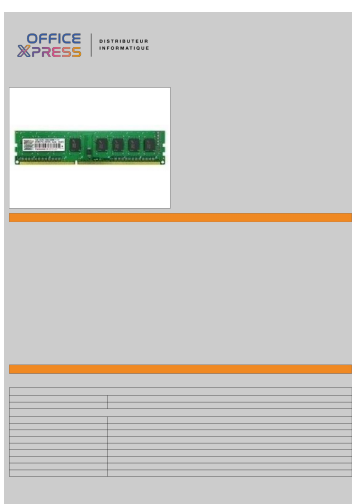


[\[pdf\]](#) Dimension Guide

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Transcend - DDR3 - module - 2 Go - DIMM 240 broches - 1066 MHz / PC3-8500 - mmoire sans tampon Trans ... Maximus III GENE, MAXIMUS IV EXTREME-Z, Maximus IV Gene-Z, Maximus IV GENE-Z/GEN3, P5G41T-M LX V2, **P5G41T-M LX3/C/SI**, P8H61-M LE/CSM/SI, P8H67-I, P8H67-M PRO/CSM, SABERTOOTH 990FX/C/SI, SABERTOOTH 99...

lang:fr **score:20** filesize: 95.2 K page_count: 2 document date: 2025-08-04