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› Foxconn H61MXE Motherboard User Manual

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Model: H61MXE

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Foxconn H61MXE motherboard. Please read this manual thoroughly before beginning installation to ensure proper setup and to maximize the performance and longevity of your system.



Figure 1: Overview of the Foxconn H61MXE Motherboard. This image displays the main components and layout of the motherboard, including the CPU socket, memory slots, and various connectors.

SETUP AND INSTALLATION

Follow these steps carefully to install your Foxconn H61MXE motherboard and its components.

1. CPU Installation

1. Locate the LGA 1155 socket on the motherboard.
2. Open the CPU socket lever and remove the protective cover.
3. Carefully align the notches on your Intel Sandybridge or Ivy Bridge processor with the socket.
4. Gently place the CPU into the socket without forcing it.
5. Close the socket lever to secure the CPU.
6. Install the CPU cooler according to its manufacturer's instructions.

2. Memory (RAM) Installation

1. Identify the two 240-pin DDR3 DIMM slots.
2. Open the clips at both ends of the memory slot.
3. Align the notch on the DDR3 memory module with the key in the slot.
4. Insert the module firmly into the slot until the clips snap into place.
5. For dual-channel performance, install memory modules in matching slots as indicated in the motherboard diagram (refer to the physical motherboard for specific slot pairing). The motherboard supports DDR3-1333/1066 memory with a maximum capacity of 16 GB.

3. Expansion Card Installation

- The motherboard features one PCI-Express 2.0 x16 slot (supports PCI-Express 3.0 x16 with Ivy Bridge CPUs) and one PCI-Express x1 slot.
- Select an appropriate slot for your expansion card (e.g., graphics card, network card).
- Remove the corresponding metal bracket from your PC case.
- Align the card with the slot and press down firmly until it is seated correctly.
- Secure the card with a screw to the PC case.

4. Storage Device Connection (SATA)

- Connect your SATA hard drives or SSDs to the four SATA2 ports on the motherboard using SATA data cables.
- Ensure power cables from your power supply are connected to your storage devices.

5. Power Supply Connection

- Connect the 24-pin ATX main power connector from your power supply to the corresponding header on the motherboard.
- Connect the 4-pin ATX 12V power connector to the motherboard.

6. Front Panel and Peripheral Connections

- Connect the front panel headers (power switch, reset switch, HDD LED, power LED) to their respective pins on the motherboard. Refer to the motherboard's silkscreen labels for correct orientation.
- Connect front panel USB 2.0 ports to the USB headers on the motherboard (4 ports available via headers).
- Connect front panel audio jacks to the audio header.
- Connect external peripherals to the rear I/O panel:
 - **USB 2.0 Ports:** 4 ports for various USB devices.
 - **PS/2 Ports:** One for PS/2 mouse, one for PS/2 keyboard.
 - **VGA Port:** For connecting a display.
 - **HDMI Port:** For connecting a digital display.
 - **RJ45 LAN Port:** For network connection (Gigabit Ethernet).

- **Audio I/O Connectors:** For speakers, headphones, and microphones.

OPERATING INSTRUCTIONS

1. First Boot and BIOS Setup

- After all components are installed and connected, power on your system.
- Press the designated key (usually **DEL** or **F2**) during startup to enter the BIOS/UEFI setup utility.
- Configure boot order, system time, and other necessary settings. Save changes and exit.

2. Operating System Installation

- Insert your operating system installation media (e.g., USB drive or DVD).
- Follow the on-screen prompts to install your preferred operating system, such as Windows 10.

3. Driver Installation

- After OS installation, install the necessary drivers for the motherboard chipset, audio, LAN, and integrated graphics (if used). These drivers are typically provided on a support CD or can be downloaded from the Foxconn website.

MAINTENANCE

1. System Cleaning

- Regularly clean the interior of your PC case to prevent dust buildup, which can lead to overheating.
- Use compressed air to remove dust from fans, heatsinks, and motherboard components.
- Ensure the system is powered off and unplugged before cleaning.

2. BIOS Updates

- Check the Foxconn website periodically for BIOS updates. Updates can improve system stability, compatibility, and performance.
- Follow the specific instructions provided by Foxconn for BIOS flashing to avoid system damage.

TROUBLESHOOTING

If you encounter issues with your motherboard, refer to the following common troubleshooting steps:

- **No Power:** Ensure all power cables (24-pin ATX, 4-pin ATX 12V) are securely connected to the motherboard and power supply. Check the power supply unit (PSU) switch.
- **No Display:** Verify that the monitor is connected to the correct video output (VGA or HDMI) and is powered on. Reseat the graphics card (if applicable) and RAM modules.
- **System Instability/Crashes:** Check for proper CPU and RAM installation. Ensure CPU cooler is correctly seated. Update drivers and BIOS. Test memory modules individually.
- **Peripheral Not Detected:** Ensure the peripheral is correctly connected to the appropriate port. Install necessary drivers for the peripheral.
- **Boot Issues:** Check boot order in BIOS. Ensure storage devices are properly connected and detected. Reinstall the operating system if necessary.

SPECIFICATIONS

Feature	Description
Brand	FOXCONN
Model Number	H61MXE
CPU Socket	LGA 1155
Supported CPUs	Intel Sandybridge and Ivy Bridge Processors
Chipset	Intel H61 Express
Memory Technology	DDR3
Memory Slots	2 x 240-pin DDR3 DIMMs (Dual Channel)
Memory Speed	1333/1066 MHz
Max. RAM Capacity	16 GB
PCI-Express x16 Slot	1 (PCI-E 2.0, supports PCI-E 3.0 with Ivy Bridge CPU)
PCI-Express x1 Slot	1
SATA Ports	4 x SATA2
USB 2.0 Ports	8 (4 rear, 4 via headers)
PS/2 Ports	1 x Mouse, 1 x Keyboard
Video Output	1 x VGA, 1 x HDMI
LAN	Gigabit Ethernet Controller (RJ45)
Audio	Integrated Audio I/O Connectors
Form Factor	Micro-ATX
Compatible Platform	Windows 10
UPC / GTIN	683562111942

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Foxconn customer support directly or visit their official website. Keep your proof of purchase for warranty claims.

Official Foxconn Website: www.foxconn.com (Note: This is a placeholder link. Please refer to your product packaging or official documentation for the correct support website.)