

Dpofirs Dpofirsrih12xfw4c

Dpofirs LGA 2011 X79 ATX Motherboard User Manual

Model: Dpofirsrih12xfw4c

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Dpofirs LGA 2011 X79 ATX Motherboard. Please read this manual thoroughly before proceeding with installation to ensure proper setup and functionality. This motherboard is designed for personal computer systems, supporting LGA 2011 CPUs and DDR3 RAM.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your product package. If any items are missing or damaged, please contact your retailer.

- 1 x X79 Computer Motherboard
- 1 x Metal Plate (I/O Shield)
- 1 x Bracket (CPU Cooler Mounting Bracket)
- 1 x Connection Line (SATA Cable)
- 10 x Screw



4 channel DDR3
Support 64G memory capacity,
significantly improving the
performance of the motherboard



Full speed M.2 hard drive interface
M.2 supports 32GB/s data transfer
speed for OS and application
drivers



Front USB3.0 interface
Immediately experience 10x faster
data transfer speeds than USB 2.0
with Plug and Play functionality



7.1 restored real sound channel
HD sound processor and sound
capacitor to restore the real sound
Ensure the sound signal is more
pure



SATA3.0 high speed interface
Fast boot without waiting, strong
compatibility, SATA2.0 upgrade,
get better reading speed



Luxury high power cooling iron
High energy cooling, no fear of high
temperature, enhanced cooling
design to ensure higher CPU
running at full speed

Figure 2.1: Included components in the Dpofirs X79 Motherboard package. This image displays the motherboard, a metal I/O shield, a CPU cooler mounting bracket, a SATA data cable, and a set of screws.

3. MOTHERBOARD LAYOUT AND CONNECTORS

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

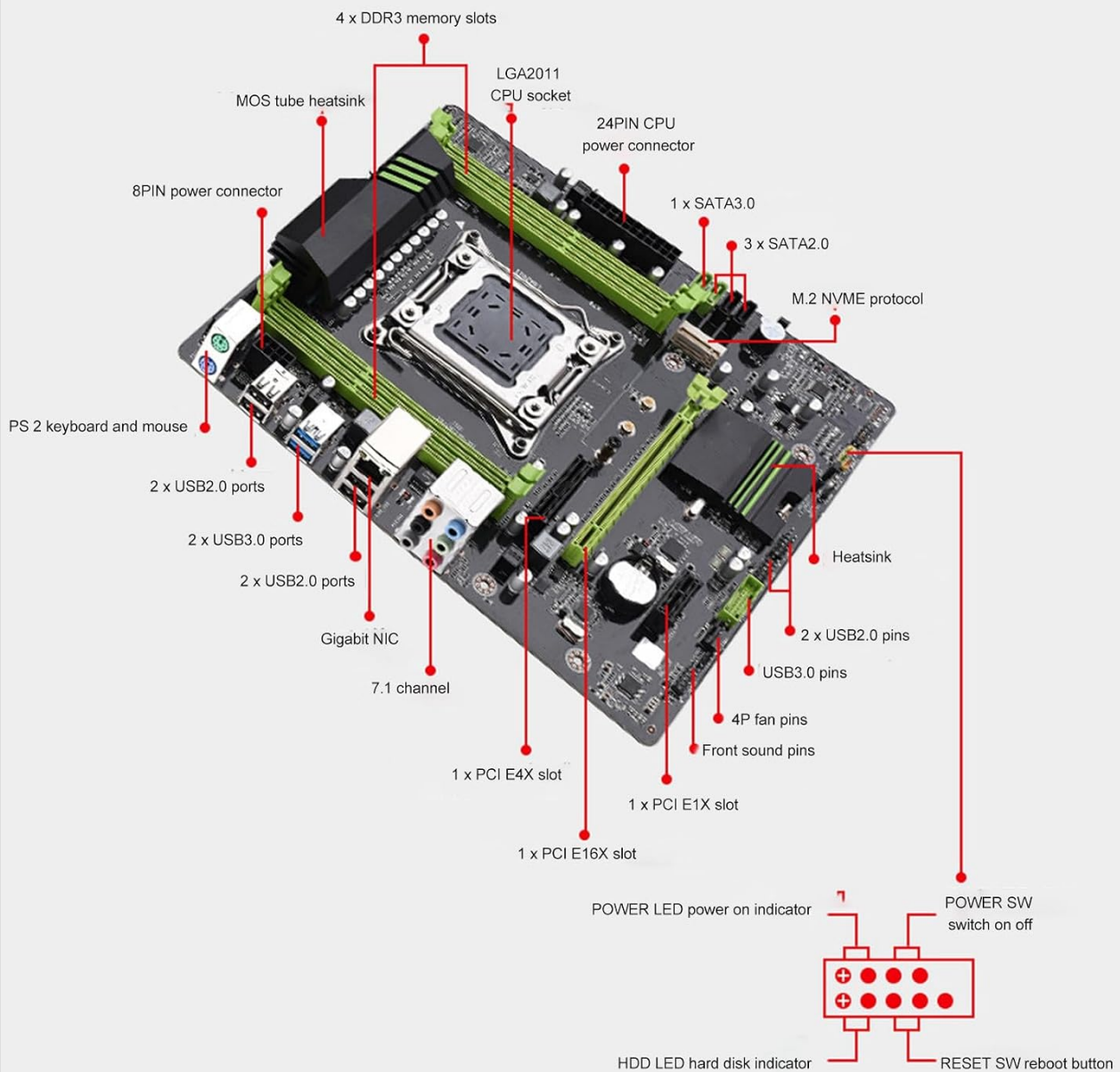


Figure 3.1: Labeled diagram of the Dpofirs X79 Motherboard. Key components include the LGA2011 CPU socket, 4 DDR3 memory slots, 24-pin and 8-pin power connectors, SATA 3.0 and SATA 2.0 ports, M.2 NVMe interface, PCIe 16X, 4X, and 1X slots, USB 3.0 and USB 2.0 ports, PS/2 mouse and keyboard interfaces, Gigabit NIC, and front panel headers.

Key Components:

- **LGA 2011 CPU Socket:** For compatible Intel Core i7 and E5 V2 series processors.
- **DDR3 Memory Slots (x4):** Supports up to 64GB DDR3 RAM.
- **PCIe 16X Slot:** For graphics cards.
- **PCIe 4X Slot:** For expansion cards.
- **PCIe 1X Slot:** For expansion cards.
- **SATA 3.0 (x1) & SATA 2.0 (x3):** For connecting storage devices.
- **M.2 NVMe Interface:** High-speed storage connection.
- **USB 3.0 Ports (x2) & USB 2.0 Ports (x4):** Rear panel connectivity.
- **USB 3.0 Pin (x1) & USB 2.0 Pin (x2):** Front panel headers.
- **Gigabit Adaptive NIC:** Network connectivity.
- **7.1 Channel Audio:** Integrated sound solution.

4.2 RAM (DDR3) Installation

1. Locate the four DDR3 memory 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 memory slot.
4. Insert the memory module firmly into the slot until the clips snap into place. Ensure both clips are fully closed.
5. For optimal performance, install memory modules in matched pairs. Refer to your CPU and RAM specifications for recommended configurations.

4.3 Storage Device Installation

1. **SATA Drives:** Connect your SATA 3.0 or SATA 2.0 hard drives/SSDs to the corresponding SATA ports using SATA data cables. Connect the power cable from your power supply to the drive.
2. **M.2 NVMe SSD:** Locate the M.2 slot. Insert the M.2 NVMe SSD at an angle into the slot, then gently push it down and secure it with the provided screw.

4.4 Expansion Card Installation (PCIe)

1. Identify the appropriate PCIe slot (16X for graphics, 4X or 1X for other cards).
2. Remove the corresponding expansion slot cover from your computer case.
3. Align the expansion card with the slot and press firmly until it is fully seated.
4. Secure the card to the case with a screw.

4.5 Power Connections

1. Connect the 24-pin ATX power connector from your power supply to the 24-pin power socket on the motherboard.
2. Connect the 8-pin CPU power connector from your power supply to the 8-pin power socket near the CPU.

4.6 Front Panel Connections

Connect the cables from your computer case's front panel (USB ports, audio jacks, power button, reset button, power LED, HDD LED) to the corresponding headers on the motherboard. Refer to the motherboard layout diagram (Figure 3.1) for header locations.

5. OPERATING SYSTEM INSTALLATION

After assembling your hardware, you will need to install an operating system. This motherboard supports various operating systems, including Windows 10.

1. Insert your operating system installation media (USB drive or DVD) into your computer.
2. Power on the computer and repeatedly press the designated key (usually Del, F2, F10, or F12) to enter the BIOS/UEFI setup.
3. Navigate to the boot options and set your installation media as the primary boot device.
4. Save changes and exit BIOS/UEFI. The system will restart and begin the OS installation process.
5. Follow the on-screen prompts to complete the operating system installation.
6. After OS installation, install the necessary drivers for your motherboard components (chipset, audio, network, etc.) from the manufacturer's website or included driver disc (if applicable).

6. MAINTENANCE

Proper maintenance ensures the longevity and stable performance of your motherboard.

6.1 Cleaning

- Regularly clean dust from inside your computer case using compressed air.
- Ensure fans (CPU cooler, case fans) are free from obstructions.
- Never use liquid cleaners directly on motherboard components.

6.2 BIOS Updates

BIOS updates can improve system stability, add support for new hardware, or fix bugs. Only update the BIOS if necessary and follow the instructions provided by the manufacturer precisely. Incorrect BIOS updates can render your motherboard inoperable.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

7.1 System Does Not Power On

- Check all power connections: 24-pin ATX, 8-pin CPU, and power supply cable to the wall outlet.
- Ensure the power supply switch is in the 'ON' position.
- Verify that the front panel power button cable is correctly connected to the motherboard header.

7.2 No Display / No POST (Power-On Self-Test)

- Ensure your monitor is connected and powered on.
- Reseat your graphics card and ensure it is properly powered (if applicable).
- Reseat all RAM modules.
- **Specific to this model:** Some users have reported issues with RAM in DIMM1 and DIMM2 slots. If you experience no POST, try populating only DIMM3 and DIMM4 slots with RAM.
- Ensure the CPU is correctly seated and the CPU cooler is properly installed.
- Clear the CMOS (Complementary Metal-Oxide-Semiconductor) by removing the small battery (CR2032) on the motherboard for a few seconds, then reinserting it.

7.3 Operating System Not Booting

- Check boot order in BIOS/UEFI to ensure your primary storage drive is selected.
- Verify that your storage drive (HDD/SSD/M.2) is correctly connected and powered.
- If using an M.2 NVMe drive, ensure it is properly seated and secured.

8. SPECIFICATIONS

Detailed technical specifications for the Dpofirs X79 ATX Motherboard.

Feature	Specification
Motherboard Model	X79
Motherboard Board Type	ATX

Feature	Specification
CPU Slot Type	LGA 2011
Compatible Processors	Intel Core i7, E5 V2 type CPU
Chipset Type	Intel X79
Number Of Memory Slots	4 x DDR3
Memory Capacity Peak	64GB
Memory Clock Speed	1600 MHz
Graphics Card Slot	1 x PCI E 16X
Expansion Interface	1 x PCI E 4X, 1 x PCI E 1X
Hard Drive Interface	1 x SATA3.0, 3 x SATA2.0, M.2 NVME Interface
NIC	Gigabit Adaptive NIC
Audio	7.1 Channel HD Sound Processor
PS/2 Interface	PS/2 Mouse Keyboard Interface
Power Connector	1 x 8 Pin, 1 x 24 Pin
USB Interface	2 x USB3.0, 4 x USB2.0 (Rear), 2 x USB2.0 Pin, 1 x USB3.0 Pin (Front Headers)
Built-In Battery	CR2032x1 240mah
Material	PCB
Item Weight	2.29 pounds

9. SAFETY INFORMATION

Observe the following safety precautions during installation and operation:

- Always disconnect the power cord from the wall outlet before touching any components inside the computer case.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity, which can damage sensitive electronic components.
- Handle the motherboard by its edges to avoid touching sensitive components.
- Ensure proper ventilation within your computer case to prevent overheating.
- Keep the motherboard and components away from moisture and extreme temperatures.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question