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Dpofirs Dpofirsv75pgt2yqa

Dpofirs H55 LGA 1156 Motherboard User Manual

Your comprehensive guide to the Dpofirs H55 LGA 1156 Motherboard.

1. Overview

The Dpofirs H55 LGA 1156 Motherboard is designed to support Intel Core i3, i5, and i7 processors from the first generation, making it suitable for PC server and gaming computer builds. It features a stable 4-phase power supply design, ensuring reliable performance for your system. This motherboard integrates essential components like a sound card and network card, simplifying your build process.



Figure 1.1: Top-down view of the Dpofirs H55 LGA 1156 Motherboard, showcasing its layout including the CPU socket, RAM slots, and various connectors.

Key features include DDR3 8-channel memory support, a high-speed M.2 NVME PCIe channel for fast storage, and multiple expansion interfaces to accommodate various peripherals.

2. Specifications

Below are the detailed technical specifications for the Dpofirs H55 LGA 1156 Motherboard:

Category	Specification
Model	Dpofirsv75pgt2yqa
Chipset	Intel H55 Series
CPU Support	Intel Generation I3, I5, I7 Processors
CPU Socket	LGA 1156
Memory Type	DDR3 1333/1066 MHz (1600 MHz not supported)
Memory Slots	2 x DDR3 (Max. 4GB per single stick)
Expansion Slots	1 x PCIe X16 Graphics Card Slot, 1 x PCIe X1 Slot
Storage Interfaces	1 x M.2 NGFF Slot (SATA mode), 3 x SATA Ports
USB Interfaces	1 x USB 2.0 Pin, 1 x USB 3.0 Slot, 4 x USB 2.0 Interface (rear I/O)
Video Output	1 x VGA Interface, 1 x HD Multimedia Interface (HDMI)
Network	Integrated NIC Chip, 1 x RJ45 Network Interface
Audio	Integrated 6-channel Sound Chip, Sound Interface
Power Connector	1 x 4-pin, 1 x 24-pin Power Connector
Power Supply Mode	4-Phase
Battery Model	CR2032L (included)
Dimensions	27.4 x 21.2 x 5.7 cm (Packaging)
Weight	540 g (Item)



Figure 2.1: Angled view of the motherboard, highlighting the various I/O ports including USB, VGA, HDMI, RJ45, and audio jacks.

3. Setup and Installation

This section provides general guidance for installing your Dpofirs H55 LGA 1156 Motherboard into a computer system. Professional installation is recommended if you are unfamiliar with computer hardware assembly.

1. **Prepare Your Case:** Ensure your computer case is compatible with the motherboard's form factor. Install the I/O

shield provided with the motherboard into the case's rear opening.

2. **Install the CPU:** Carefully open the CPU socket retention arm. Align the triangular marker on your LGA 1156 CPU with the corresponding marker on the socket. Gently place the CPU into the socket without forcing it. Close the retention arm to secure the CPU.
3. **Install the CPU Cooler:** Apply thermal paste to the CPU (if not pre-applied on the cooler) and install your compatible LGA 1156 CPU cooler according to its manufacturer's instructions. Connect the CPU fan cable to the designated header on the motherboard.
4. **Install RAM:** Open the clips on the DDR3 memory slots. Align the notch on your DDR3 RAM modules with the key in the slot. Press firmly on both ends of the RAM stick until the clips snap into place.
5. **Mount the Motherboard:** Carefully place the motherboard into your computer case, aligning the screw holes with the standoffs in the case. Secure the motherboard with screws.
6. **Connect Power:** Connect the 24-pin ATX power connector and the 4-pin CPU power connector from your power supply unit (PSU) to the corresponding ports on the motherboard.
7. **Install Storage Devices:** Connect your SATA hard drives or SSDs to the SATA ports on the motherboard using the provided SATA cables. If using an M.2 NVME drive, install it into the M.2 slot and secure it with the screw.
8. **Install Graphics Card (Optional):** If using a dedicated graphics card, insert it into the PCIe X16 slot and secure it. Connect any necessary PCIe power cables from your PSU to the graphics card.
9. **Connect Front Panel Cables:** Connect the front panel cables from your case (power button, reset button, USB ports, audio jacks, LED indicators) to the corresponding headers on the motherboard. Refer to the motherboard's silkscreen labels for correct orientation.



Figure 3.1: The motherboard shown alongside its included I/O shield and SATA data cable, essential components for system assembly.

4. Operating Instructions

Once the motherboard and all components are installed, you can proceed with operating your system:

- **First Boot:** After connecting all peripherals (monitor, keyboard, mouse), power on your system. The system should display the BIOS/UEFI splash screen.
- **BIOS/UEFI Setup:** Press the designated key (usually **DEL**, **F2**, or **F10**) during startup to enter the BIOS/UEFI setup. Here you can configure boot order, system time, and other hardware settings.
- **Operating System Installation:** Insert your operating system installation media (USB drive or DVD) and follow the on-screen prompts to install your preferred OS.
- **Driver Installation:** After OS installation, install the necessary drivers for the motherboard's integrated components (chipset, audio, network) and any discrete graphics cards. Drivers are typically available on the manufacturer's website or included on a driver disc.

5. Maintenance

Proper maintenance can extend the lifespan and ensure stable operation of your motherboard and system:

- **Keep it Clean:** Regularly clean dust from inside your computer case, especially from fans and heatsinks, using compressed air. Dust accumulation can lead to overheating.
- **Ensure Good Airflow:** Make sure your computer case has adequate airflow to dissipate heat effectively. Avoid blocking ventilation openings.
- **BIOS/UEFI Updates:** Periodically check the manufacturer's website for BIOS/UEFI updates. Updates can improve compatibility, stability, and performance. Follow update instructions carefully.
- **Driver Updates:** Keep your system drivers updated to ensure optimal performance and compatibility with new software and hardware.

6. Troubleshooting

This section addresses common issues you might encounter:

- **No Power/No Boot:**
  - Check all power connections (24-pin ATX, 4-pin CPU, GPU if applicable) from the PSU to the motherboard and components.
  - Ensure the PSU is switched on and connected to a working power outlet.
  - Verify that the front panel power button cable is correctly connected to the motherboard.
- **No Display:**
  - Ensure your monitor is connected to the correct video output (either integrated graphics on the motherboard or your discrete graphics card).
  - Reseat the RAM modules. Try booting with only one RAM stick if you have multiple.
  - If using a discrete graphics card, reseat it in its PCIe slot.

- **System Instability/Crashes:**
  - Check CPU and GPU temperatures. Overheating can cause instability.
  - Run memory diagnostic tools to check for faulty RAM.
  - Ensure all drivers are correctly installed and up to date.
  - Check for loose cables or components.
- **Peripheral Not Detected:**
  - Try connecting the peripheral to a different port.
  - Install or update the necessary drivers for the peripheral.
  - Check BIOS/UEFI settings to ensure the port is enabled.

If issues persist, consult the manufacturer's support resources or a qualified technician.

7. Package Contents

The following items are typically included in the product package:

- 1 x Dpofirs H55 LGA 1156 Motherboard
- 1 x User Manual (this document)
- 1 x SATA Cable
- 1 x I/O Shield

8. Warranty and Support

This Dpofirs product is covered by a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Dpofirs website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact Dpofirs customer service through their official channels. Keep your purchase receipt and product serial number handy when contacting support.

For more information, you may visit the Dpofirs Store on Amazon.

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