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Dpofirs Dpofirsmb2ph5gug9

Dpofirs Desktop Motherboard User Manual

Model: Dpofirsmb2ph5gug9 | Brand: Dpofirs

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Dpofirs Desktop Motherboard. Please read this manual thoroughly before proceeding with installation to ensure proper setup and optimal performance. This motherboard is designed for desktop personal computers, supporting 2nd Generation Intel LGA 1155 CPUs and DDR3 memory.

2. Safety Information

Always observe the following safety precautions to prevent damage to the motherboard or injury to yourself:

- Disconnect the power supply from the wall outlet before installing or removing any components.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity before handling the motherboard or other components.
- Handle the motherboard by its edges to avoid touching sensitive components.
- Ensure proper ventilation within your PC case to prevent overheating.
- Do not expose the motherboard to moisture or extreme temperatures.

3. Package Contents

Verify that all items are present and in good condition upon opening the package:

- Dpofirs Desktop Motherboard (Model: Dpofirsmb2ph5gug9)
- User Manual (this document)
- *Additional accessories (e.g., SATA cables, I/O shield) may be included depending on the specific retail package.*

4. Product Overview

4.1 Key Features

- **CPU Socket:** LGA 1155, supporting 2nd Generation Intel Core i3/i5/i7, Pentium, and Celeron processors.
- **Memory:** Dual Channel DDR3, supporting 2 non-ECC DDR3 memory modules up to 16GB total capacity, with active frequency standards of 1066/1333/1600 MHz.
- **Storage:** High-speed M.2 interface (NVMe/NGFF dual mode support via jumper), and 3 SATA 2.0 ports.

- **Power Design:** Stable three-phase power supply with all solid-state capacitor design and 24+4 pin power connectors.
- **Video Output:** Integrated VGA and HD Multimedia Interface (HDMI) outputs.
- **Expansion Slots:** 1 x PCIe X16 slot for graphics cards, 1 x PCIe X1 slot for other expansion cards.
- **USB Ports:** 6 x USB 2.0 ports (4 rear, 2 via internal header).
- **Networking:** 10/100 Mbps LAN.
- **Audio:** 3-in-1 audio port (Line-in/Line-out/Microphone-in).

4.2 Component Identification



Figure 4.1: Overall view of the Dpofirs Desktop Motherboard, showcasing its compact Micro ATX form factor and key components.

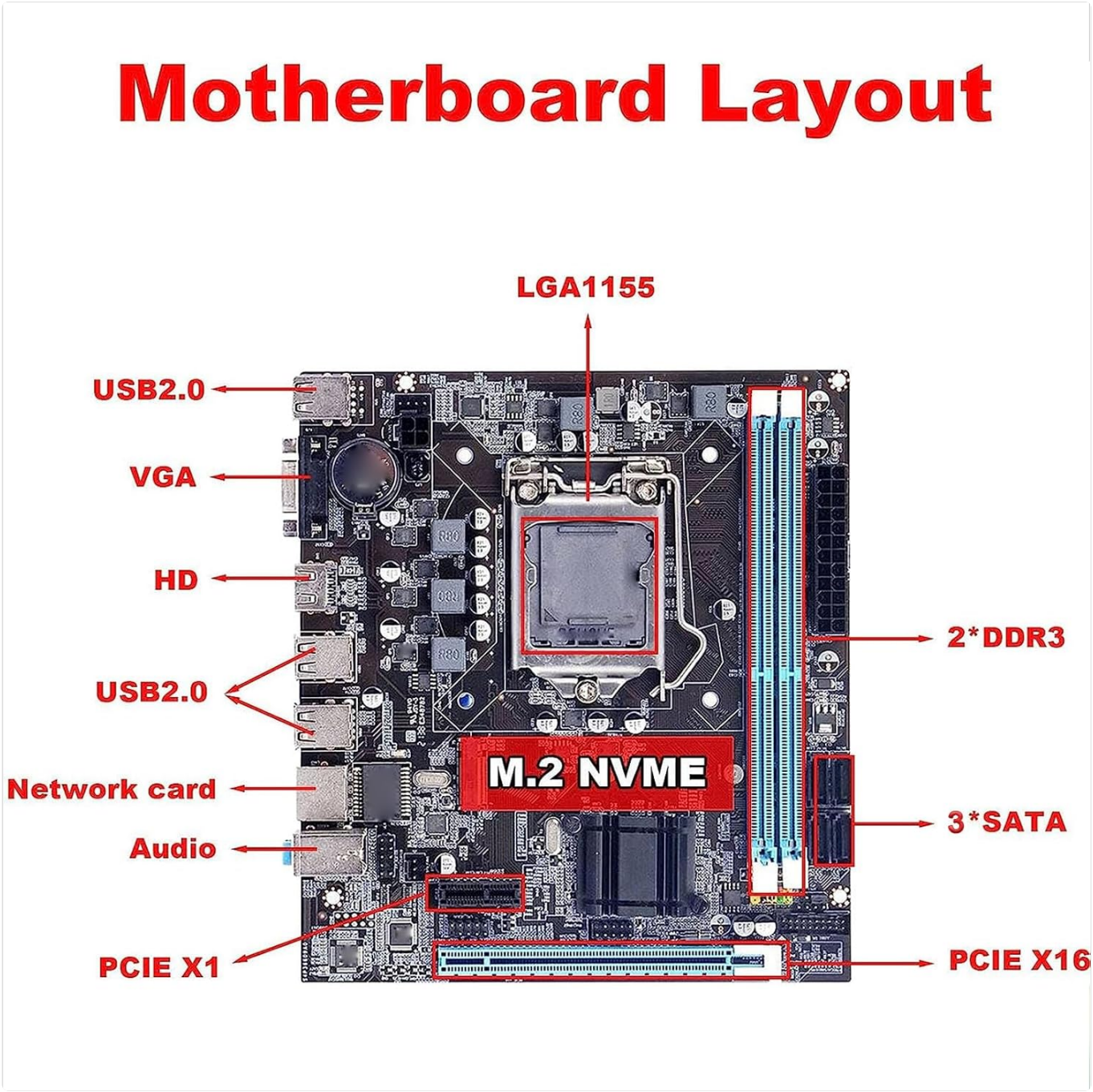


Figure 4.2: Detailed layout diagram of the motherboard, indicating the positions of the LGA 1155 CPU socket, DDR3 memory slots, M.2 NVMe slot, SATA ports, PCIe slots, and various I/O ports.

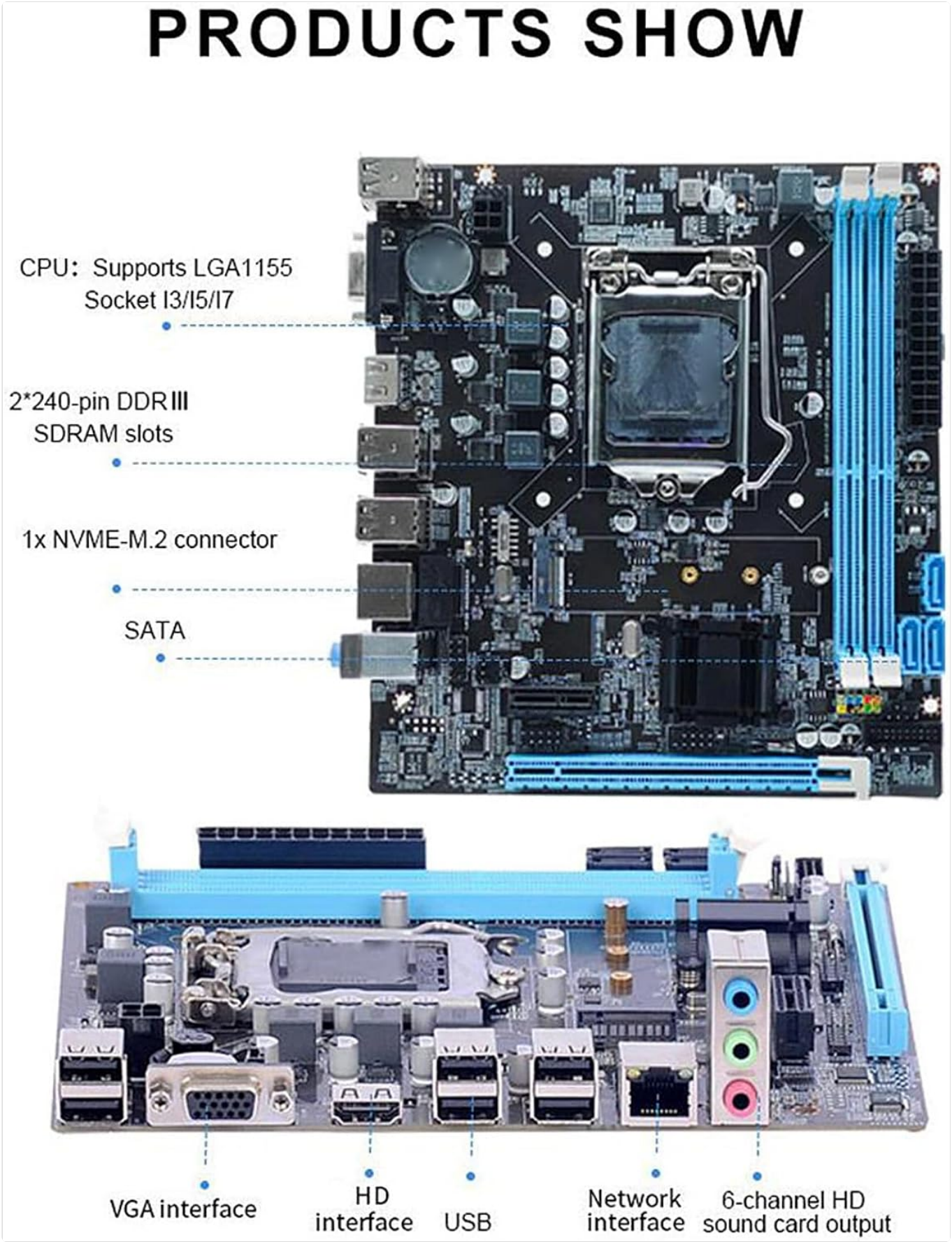


Figure 4.3: View of the motherboard highlighting the CPU socket, RAM slots, M.2 connector, SATA ports, and the rear I/O panel with VGA, HD (HDMI), USB, Network, and Audio ports.

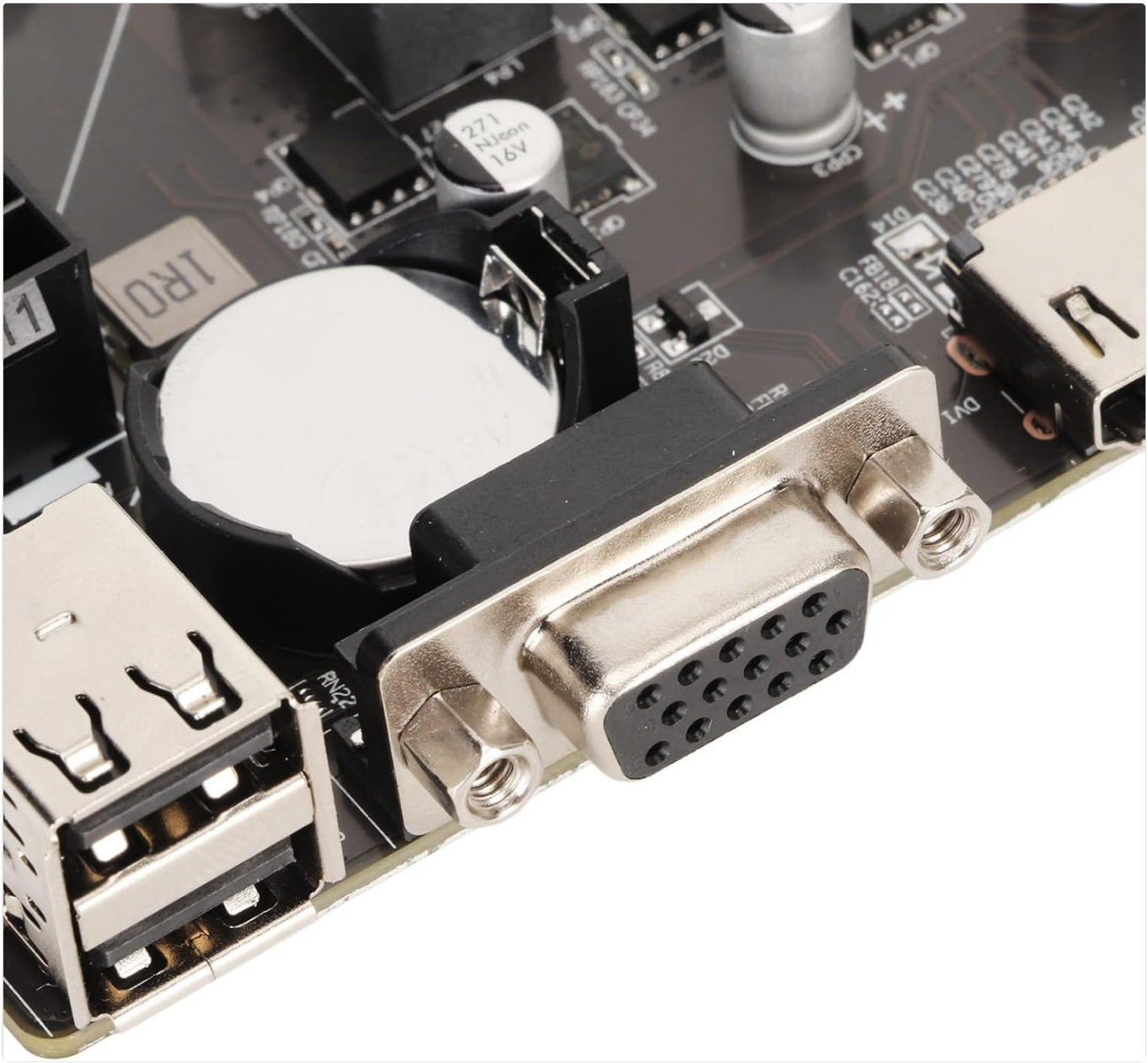


Figure 4.4: Close-up image of the VGA port, one of the video output options available on the motherboard.



Figure 4.5: Close-up view of the 24-pin ATX power connector, essential for providing main power to the motherboard.

5. Setup and Installation

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

5.1 CPU Installation (LGA 1155)

1. Locate the LGA 1155 CPU socket on the motherboard.
2. Gently push down the load lever and pull it sideways to open the CPU socket retention frame.
3. Align the triangular mark on the CPU with the corresponding mark on the socket. Carefully place the CPU into the socket, ensuring it sits flush. Do not force it.
4. Close the retention frame and push the load lever back into its locked position.
5. Install the CPU cooler according to its manufacturer's instructions.

5.2 RAM Installation (DDR3)

1. Locate the two DDR3 DIMM slots.
2. Open the clips at both ends of the DIMM slot.
3. Align the notch on the DDR3 memory module with the key in the DIMM slot.
4. Insert the memory module firmly into the slot until the clips snap into place. Ensure both clips are fully closed.
5. For dual-channel operation, install memory modules in both slots.

5.3 M.2 NVMe/NGFF SSD Installation

1. Locate the M.2 slot on the motherboard.
2. Remove the M.2 standoff screw.
3. Insert the M.2 SSD into the slot at a 30-degree angle.
4. Gently push down the SSD and secure it with the standoff screw.
5. Refer to the motherboard's silkscreen or manual for jumper settings to select NVMe or NGFF dual mode if applicable.

5.4 Power Connection

1. Connect the 24-pin ATX power cable from your power supply unit (PSU) to the 24-pin power connector on the motherboard.
2. Connect the 4-pin ATX 12V power cable from your PSU to the 4-pin power connector near the CPU socket.

5.5 Peripheral Connections

- **Storage Devices:** Connect SATA data cables from your hard drives or SSDs to the SATA 2.0 ports on the motherboard. Ensure power cables are connected from the PSU to these devices.
- **Graphics Card:** If using a dedicated graphics card, insert it into the PCIe X16 slot and secure it. Connect any necessary PCIe power cables from the PSU to the graphics card.
- **Front Panel Connectors:** Connect the power switch, reset switch, HDD LED, power LED, and front panel USB/audio connectors from your PC case to the corresponding headers on the motherboard. Refer to the motherboard diagram for correct pin assignments.
- **Rear I/O Ports:** Connect your monitor to the VGA or HD (HDMI) port. Connect USB devices, network cable (RJ45), and audio devices to the respective ports on the rear I/O panel.

6. Operating Instructions

6.1 First Boot

1. After completing all hardware installations, connect your monitor, keyboard, and mouse.
2. Connect the power cord to the PSU and turn on the power switch on the PSU.
3. Press the power button on your PC case. The system should power on and display the BIOS/UEFI splash screen.

6.2 BIOS/UEFI Configuration

To enter the BIOS/UEFI setup utility, press the**DEL** or **F2** key repeatedly during the system's power-on self-test (POST). In the BIOS/UEFI, you can configure system settings such as boot order, date/time, and hardware parameters. Note that the BIOS interface for this motherboard may be primarily in English.

6.3 Driver Installation

After installing your operating system, install the necessary drivers for the motherboard's components (chipset, LAN, audio, etc.). These drivers are typically provided on a support CD/DVD or can be downloaded from the manufacturer's website. Installing the correct drivers ensures optimal performance and stability.

7. Maintenance

7.1 Cleaning

Regular cleaning helps maintain the motherboard's performance and longevity:

- Ensure the system is powered off and unplugged before cleaning.
- Use compressed air to remove dust from the motherboard, CPU cooler, and other components. Hold the can upright to prevent propellant discharge.
- For stubborn dirt, use a soft, lint-free cloth lightly dampened with isopropyl alcohol. Avoid excessive moisture.
- Do not use harsh chemicals or abrasive materials.

7.2 Firmware Updates

Periodically check the Dpofirs support website for updated BIOS/UEFI firmware. Firmware updates can improve compatibility, stability, and performance. Follow the provided instructions carefully when updating firmware to avoid system damage.

8. Troubleshooting

If you encounter issues, 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 PSU. Check the PSU switch and wall outlet.
- **No Display:** Verify that the monitor is connected to the correct video output (VGA or HD/HDMI) on the motherboard or dedicated graphics card. Reseat RAM modules and the graphics card.
- **System Instability/Crashes:** Check RAM modules for proper installation. Ensure CPU cooler is correctly seated and functioning. Verify power supply is adequate for all components.
- **Component Not Detected:** Reseat the component (e.g., M.2 SSD, SATA drive, PCIe card). Check cable connections. Ensure drivers are installed.
- **BIOS Language:** As noted in customer reviews, the BIOS may be primarily in English. There might not be an option to change the language.
- **Fan Speed Control:** Some users have reported limited fan speed control options in the BIOS. This may be a characteristic of the motherboard's design.

If problems persist, consult the Dpofirs support resources or a qualified technician.

9. Specifications

Feature	Specification
Brand	Dpofirs
Model Name	Dpofirsmb2ph5gug9
CPU Socket	LGA 1155
Compatible Processors	Intel Celeron, Intel Pentium (2nd Gen Core i3/i5/i7 compatible)

Feature	Specification
Memory Technology	DDR3
Memory Slots	2 (Dual Channel)
Max Memory Capacity	16 GB
Memory Clock Speed	1066 MHz, 1333 MHz, 1600 MHz
Chipset Type	Intel B360 (*Note: Product description states LGA 1151 with M.2, but CPU socket is LGA 1155. This may be a typo in the source data.*)
Storage Interfaces	1 x M.2 (NVMe/NGFF), 3 x SATA 2.0
USB Ports	6 x USB 2.0 (Total)
Video Output	VGA, HD Multimedia Interface (HDMI)
LAN	10/100 Mbps
Compatible Devices	Personal Computer
Platform	Windows 10
Manufacturer	Dpofirs
Country of Origin	China

10. Warranty Information

This Dpofirs Desktop Motherboard comes with a **1 Year Warranty Against Manufacturer Defects**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

11. Support

For further assistance, technical support, or warranty inquiries, please visit the official Dpofirs brand store or contact their customer service. You can find more information and potentially updated drivers or firmware at the Dpofirs brand store:

Visit the Dpofirs Store on Amazon

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