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MSI PROB760PWIFID4

MSI PRO B760-P WiFi DDR4 ProSeries Motherboard User Manual

Model: PROB760PWIFID4
Brand: MSI

1. Important Safety Information

Please read and understand all safety instructions before installing or operating the MSI PRO B760-P WiFi DDR4 ProSeries Motherboard. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- Always 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. Electrostatic discharge (ESD) can damage sensitive electronic components.
- Ensure proper ventilation within your PC case to prevent overheating.
- Do not expose the motherboard to moisture or extreme temperatures.
- Handle the motherboard by its edges to avoid touching sensitive components or circuits.

2. Package Contents

Verify that all items listed below are included in your motherboard package. If any item is missing or damaged, contact your retailer.

- MSI PRO B760-P WiFi DDR4 ProSeries Motherboard
- I/O Shield
- SATA Cables (quantity may vary)
- Wi-Fi Antenna
- EZ M.2 Clip
- Quick Installation Guide

- European Union Regulatory Notices

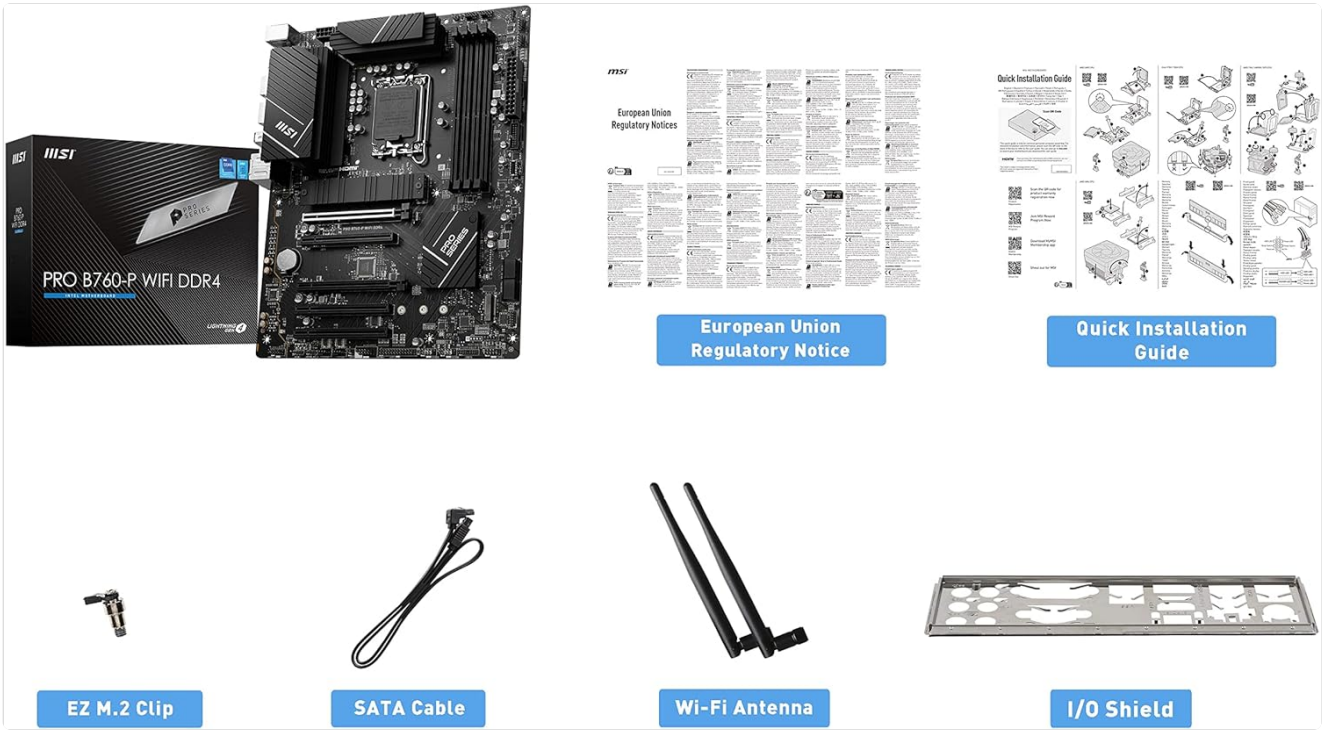


Image: The MSI PRO B760-P WiFi DDR4 motherboard alongside its included accessories, such as the I/O shield, SATA cables, Wi-Fi antenna, EZ M.2 clip, and documentation.

3. Component Overview

Familiarize yourself with the various components and connectors on your MSI PRO B760-P WiFi DDR4 motherboard.



Image: A top-down view of the MSI PRO B760-P WiFi DDR4 motherboard, highlighting the LGA 1700 CPU socket, DDR4 memory slots, PCIe slots, and M.2 slots.

- **LGA 1700 CPU Socket:** Supports 12th, 13th, and 14th Gen Intel Core, Pentium Gold, and Celeron processors.
- **DDR4 DIMM Slots:** Four slots supporting Dual Channel DDR4 memory up to 5333+MHz (OC).
- **PCIe 4.0 x16 Slot:** For graphics cards, offering high bandwidth.
- **M.2 Slots:** Two M.2 Gen4 x4 64Gbps slots for high-speed NVMe SSDs, with M.2 Shield Frozr for thermal management.
- **SATA 6Gbps Ports:** Four ports for traditional SATA storage devices.
- **Rear I/O Panel:** Includes USB 3.2 Gen2 (Type-A + Type-C), USB 3.2 Gen1, USB 2.0, 2.5Gbps LAN, Wi-Fi 6E,

Bluetooth 5.3, HDMI, DisplayPort, and audio jacks.



Image: A detailed view of the rear input/output panel, showing various USB ports, Ethernet port, Wi-Fi antenna connectors, and audio jacks.

4. Setup Guide

Follow these steps for proper installation of your motherboard and essential components.

1. **Prepare the Case:** Install the I/O shield into the rear opening of your PC case.
2. **Install the Motherboard:** Carefully align the motherboard with the standoffs in your PC case and secure it with screws.
3. **Install the CPU:**
    - Open the CPU socket lever.
    - Align the CPU with the socket, ensuring the golden triangle on the CPU matches the triangle on the socket.
    - Gently place the CPU into the socket. Do not force it.
    - Close the CPU socket lever to secure the CPU.
4. **Install the CPU Cooler:** Follow the cooler manufacturer's instructions to install the CPU cooler and apply thermal paste if not pre-applied.
5. **Install Memory (RAM):**
    - Open the clips on both ends of the DDR4 DIMM slots.
    - Align the notch on the RAM module with the notch in the DIMM slot.
    - Press down firmly on both ends of the RAM module until the clips snap into place.
6. **Install Storage Devices:**
    - For M.2 SSDs, insert the SSD into the M.2 slot and secure it with the EZ M.2 clip or screw. Consider using the M.2 Shield Frozr for optimal cooling.
    - For SATA drives, connect the SATA data cable from the drive to a SATA port on the motherboard.
7. **Install Graphics Card (Optional):** Insert your graphics card into the PCIe 4.0 x16 slot until it clicks into place. Secure it with the case screw.
8. **Connect Power Supply:** Connect the 24-pin ATX main power connector and the 8-pin + 4-pin CPU power connectors from your power supply to the motherboard. Connect power to other components as needed.
9. **Connect Front Panel Cables:** Connect the power button, reset button, USB ports, and audio jacks from your case to the corresponding headers on the motherboard. Refer to the motherboard manual for exact pin layouts.
10. **Install Wi-Fi Antenna:** Screw the included Wi-Fi antennas onto the connectors on the rear I/O panel.

5. Operating Instructions

After assembly, follow these steps to power on your system and configure it.

1. **Initial Boot:** Connect your monitor, keyboard, and mouse. Power on your system. The system should display the MSI logo and enter the BIOS/UEFI setup utility or begin the operating system installation process.
2. **BIOS/UEFI Setup:** Press the DEL key during startup to enter the BIOS/UEFI. Here you can configure boot order, enable XMP for memory, adjust fan speeds, and update the BIOS.
3. **Operating System Installation:** Insert your Windows 11 (or other OS) installation media (USB drive or DVD) and follow the on-screen prompts to install the operating system.
4. **Driver Installation:** After OS installation, install the necessary drivers for your motherboard components (chipset, LAN, Wi-Fi, Bluetooth, audio, graphics) from the MSI website or the included driver CD/USB.

6. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your motherboard.

- **Dust Removal:** Periodically clean dust from the motherboard and other components using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **BIOS/UEFI Updates:** Check the MSI website for the latest BIOS/UEFI updates. Updates can improve stability, compatibility, and performance. Follow MSI's specific instructions for BIOS flashing.
- **Driver Updates:** Keep your drivers updated to ensure optimal performance and compatibility with new software and hardware.
- **Cable Management:** Ensure cables are neatly routed to improve airflow and prevent interference.

7. Troubleshooting

This section addresses common issues you might encounter.

- **No Power/No Boot:**
  - Check all power connections (24-pin ATX, 8-pin CPU, GPU).
  - Ensure the power supply switch is ON.
  - Verify the front panel power button cable is correctly connected to the motherboard.
  - Try booting with only essential components (CPU, one RAM stick, GPU if no integrated graphics).
- **No Display:**
  - Ensure the monitor is connected to the correct display output (motherboard or graphics card).
  - Check display cable connections.
  - Reseat the graphics card and RAM modules.
- **Operating System Not Loading:**
  - Check boot order in BIOS/UEFI.
  - Ensure storage drives are properly connected and detected.
  - If installing Windows 11, ensure USB drivers are loaded during installation if encountering errors (as noted in some user reviews).
- **Network Connectivity Issues:**

- For Wi-Fi, ensure antennas are securely attached and Wi-Fi drivers are installed.
- For LAN, check Ethernet cable connection and ensure LAN drivers are installed.

8. Specifications

Detailed technical specifications for the MSI PRO B760-P WiFi DDR4 ProSeries Motherboard.

Feature	Specification
Brand	MSI
Model Name	PRO B760 P
Item Model Number	PROB760PWIFID4
CPU Socket	LGA 1700
Compatible Processors	Intel Core 14th/ 13th/ 12th Gen Processors, Intel Pentium Gold and Celeron Processors
Chipset Type	Intel B760
RAM Memory Technology	DDR4
Memory Clock Speed	5333 MHz (OC)
Product Dimensions	12 x 9.6 x 2.5 inches
Item Weight	2.7 pounds
Platform	Windows 11
LAN	2.5Gbps LAN
Wireless/Bluetooth	Wi-Fi 6E, Bluetooth 5.3
USB Ports	USB 3.2 Gen2, USB 3.2 Gen1, USB 2.0
Display Interface	HDMI, DisplayPort (requires processor graphics)

9. Warranty and Support

MSI provides comprehensive support for its products. For detailed warranty information, please refer to the official MSI website or the warranty card included with your product.

- **Official User Manual:** A more detailed user manual in PDF format can be found on the MSI support website or via the link provided in your product documentation. Download User Manual (PDF)
- **Technical Support:** For technical assistance, driver downloads, and BIOS updates, visit the official MSI support website.
- **Product Registration:** Register your product on the MSI website to receive updates and support.

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