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MSI B360-F PRO

MSI B360-F PRO ATX Motherboard Instruction Manual

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1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your MSI B360-F PRO ATX Motherboard. Designed for reliability and performance, this motherboard supports 8th Generation Intel Core, Pentium Gold, and Celeron processors, making it suitable for various computing needs.

2. KEY FEATURES

- Processor Support:** Compatible with 8th Gen Intel Core/Pentium Gold/Celeron Processors for LGA 1151 socket.
- Memory Support:** Supports DDR4 Memory, with speeds up to 2666MHz.
- Multi-GPU Capability:** Features Steel Armor PCI-E slots, supporting 2-Way AMD Crossfire configurations.
- High-Speed Storage:** Includes Turbo M.2 slot, operating at PCI-E Gen3 x4 to maximize performance for NVMe based SSDs.
- Enhanced Power Design:** Utilizes Core Boost with a premium layout and fully digital power design to support more cores and provide better performance.

3. SETUP

Follow these steps for proper installation of your MSI B360-F PRO motherboard and its components.

3.1 Motherboard Layout

Familiarize yourself with the layout of the motherboard before proceeding with component installation.



Figure 1: Top-down view of the MSI B360-F PRO ATX Motherboard, showing the CPU socket, RAM slots, and various expansion slots.

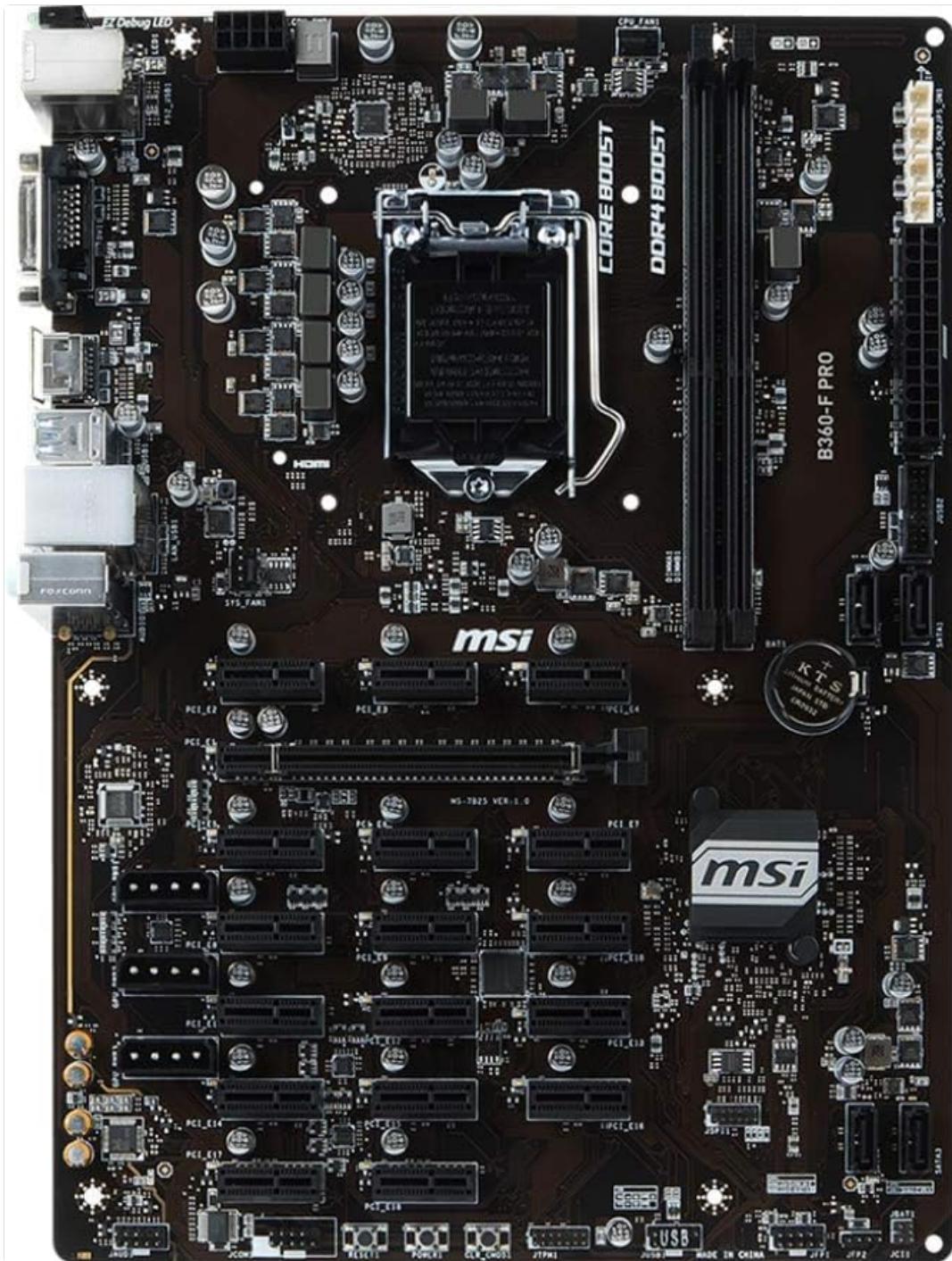


Figure 2: Angled view of the MSI B360-F PRO ATX Motherboard, highlighting the heatsinks and power delivery components.

3.2 Processor Installation

1. Ensure the CPU socket (LGA 1151) lever is open.
2. Carefully align your 8th Gen Intel Core/Pentium Gold/Celeron processor with the socket, matching the golden triangle on the CPU to the triangle on the socket.
3. Gently place the CPU into the socket without forcing it.
4. Close the socket lever to secure the CPU.

3.3 Memory Installation

1. Open the clips on both ends of the DDR4 DIMM slots.
2. Align the notch on the DDR4 memory module with the notch in the DIMM slot.
3. Press down firmly on both ends of the memory module until the clips snap into place.
4. Install memory in pairs for dual-channel performance, referring to the motherboard's silkscreen for

recommended slot configurations.

3.4 Storage Device Installation

The motherboard supports both M.2 NVMe SSDs and SATA drives.

- **M.2 SSD:** Locate the Turbo M.2 slot. Insert your NVMe SSD at an angle and secure it with the provided screw.
- **SATA Drives:** Connect your SATA SSDs or HDDs to the SATA 6Gb/s ports using SATA data cables.

3.5 Graphics Card Installation

Install your graphics card into the primary PCI-E x16 slot (often reinforced with Steel Armor) for optimal performance.

1. Open the retention clip on the PCI-E x16 slot.
2. Align your graphics card with the slot and press down firmly until it clicks into place.
3. Secure the card to your PC case with screws.
4. Connect any necessary PCI-E power cables from your power supply to the graphics card.

3.6 Rear I/O Panel

Connect your peripherals to the appropriate ports on the rear I/O panel.



Figure 3: Rear I/O panel of the MSI B360-F PRO ATX Motherboard, showing various USB, display, and audio ports.

4. OPERATING

The MSI B360-F PRO motherboard is designed for stable and efficient operation. Its Core Boost technology ensures reliable power delivery to the CPU, even under demanding workloads, contributing to overall system stability and performance.

4.1 BIOS/UEFI Settings

Access the BIOS/UEFI settings during startup (typically by pressing DEL or F2) to configure system settings, boot order, and monitor hardware status. Ensure your BIOS is updated to the latest version for optimal compatibility and performance.

5. MAINTENANCE

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

- **Dust Removal:** Periodically clean dust from the motherboard and components using compressed air. Ensure the system is powered off and unplugged before cleaning.

- **BIOS Updates:** Check the official MSI website for the latest BIOS/UEFI updates. Follow the instructions carefully to update your BIOS, which can improve stability and add support for new hardware.
- **Driver Updates:** Keep all system drivers (chipset, graphics, audio, network) updated to their latest versions from the MSI or component manufacturer's website.

6. TROUBLESHOOTING

If you encounter issues, consider the following common troubleshooting steps:

- **No Display:** Ensure all power cables (24-pin ATX, 8-pin CPU, GPU power) are securely connected. Verify that the monitor is connected to the graphics card (or integrated graphics) and is powered on.
- **System Instability:** Check RAM modules for proper seating. Ensure CPU cooler is correctly installed and making good contact. Verify power supply is adequate for all components.
- **Boot Issues:** Reset BIOS settings to default (CMOS clear). Check boot order in BIOS. Ensure storage drives are detected and properly connected.
- **Network Connectivity:** Install the latest network drivers. Check physical cable connections. Verify Wi-Fi antenna is securely attached if using wireless.

7. SPECIFICATIONS

Feature	Detail
Brand	MSI
Model Name	B360-F PRO
CPU Socket	LGA 1151
Chipset Type	Intel B360
Compatible Processors	8th Generation Intel Core, Intel Celeron, Intel Pentium Gold
RAM Memory Technology	DDR4
Memory Clock Speed	2666 MHz
Number of USB 2.0 Ports (Rear)	4
Platform	Windows 10
Item Weight	2.05 pounds
Product Dimensions	1 x 1 x 1 inches

8. WARRANTY & SUPPORT

The MSI B360-F PRO ATX Motherboard is backed by a **5-year warranty**, ensuring long-term reliability and peace of mind. For technical assistance, driver downloads, BIOS updates, or further support, please visit the official MSI website or contact MSI customer service.

MSI Official Website: www.msi.com

9. PRODUCT VIDEOS

No official seller videos specifically for the MSI B360-F PRO ATX Motherboard were found in the provided data. Please refer to the text and images for detailed instructions.

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