

ASUS ProArt B760-CREATOR WIFI

ASUS ProArt B760-CREATOR WiFi Motherboard User Manual

Model: ProArt B760-CREATOR WIFI

1. INTRODUCTION

The ASUS ProArt B760-CREATOR WiFi motherboard is engineered to enhance creativity and maximize the computing power of the latest 12th and 13th Generation Intel® Core™ processors. This ATX motherboard features robust hardware, efficient cooling solutions, and ultra-fast connectivity options, including DDR5 memory support, PCIe 5.0, multiple M.2 slots, 2.5Gb and 1Gb onboard Ethernet, USB 3.2 Gen 2x2 Type-C front panel header, and Thunderbolt™ (USB4®) header. This manual provides essential information for proper installation, operation, and maintenance of your motherboard.

2. PRODUCT OVERVIEW

2.1. Motherboard Layout

Familiarize yourself with the key components and connectors on your ProArt B760-CREATOR WiFi motherboard.

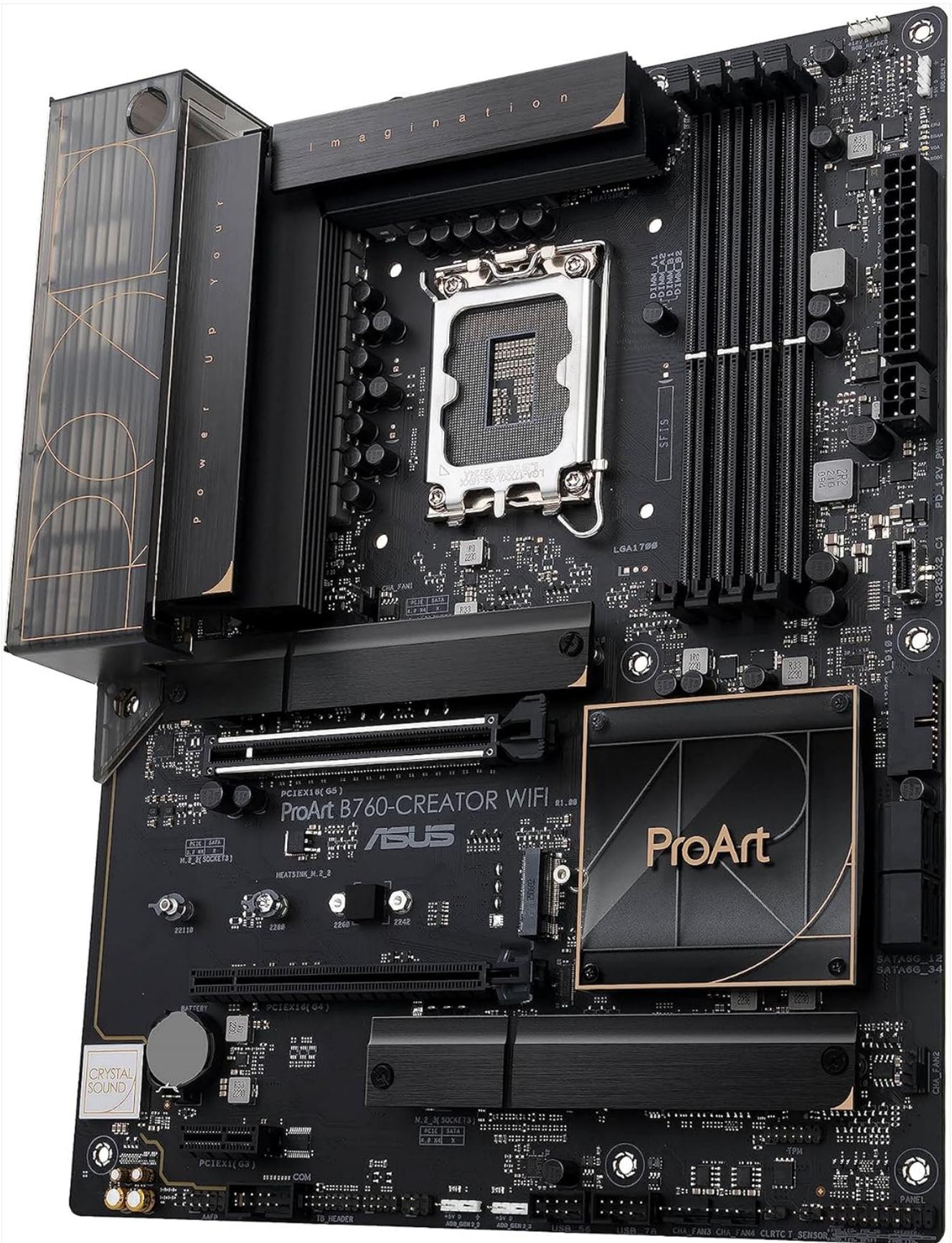


Figure 2.1: Front view of the ASUS ProArt B760-CREATOR WiFi motherboard, showcasing the LGA 1700 socket, DDR5 DIMM slots, PCIe 5.0 slot, and M.2 heatsinks.



Figure 2.2: Angled view of the motherboard, highlighting the VRM heatsinks and overall component placement.

2.2. Rear I/O Panel

The rear I/O panel provides various ports for connecting external devices.



Figure 2.3: Rear I/O panel featuring DisplayPort, HDMI, USB 2.0, USB 3.2 Gen 1 (5Gbps), USB 3.2 Gen 2 (10Gbps) Type-C, 2.5Gb LAN, 1Gb LAN, Wi-Fi 6 antenna connectors, and audio jacks.

2.3. Package Contents

Verify that all items are present in your motherboard package:

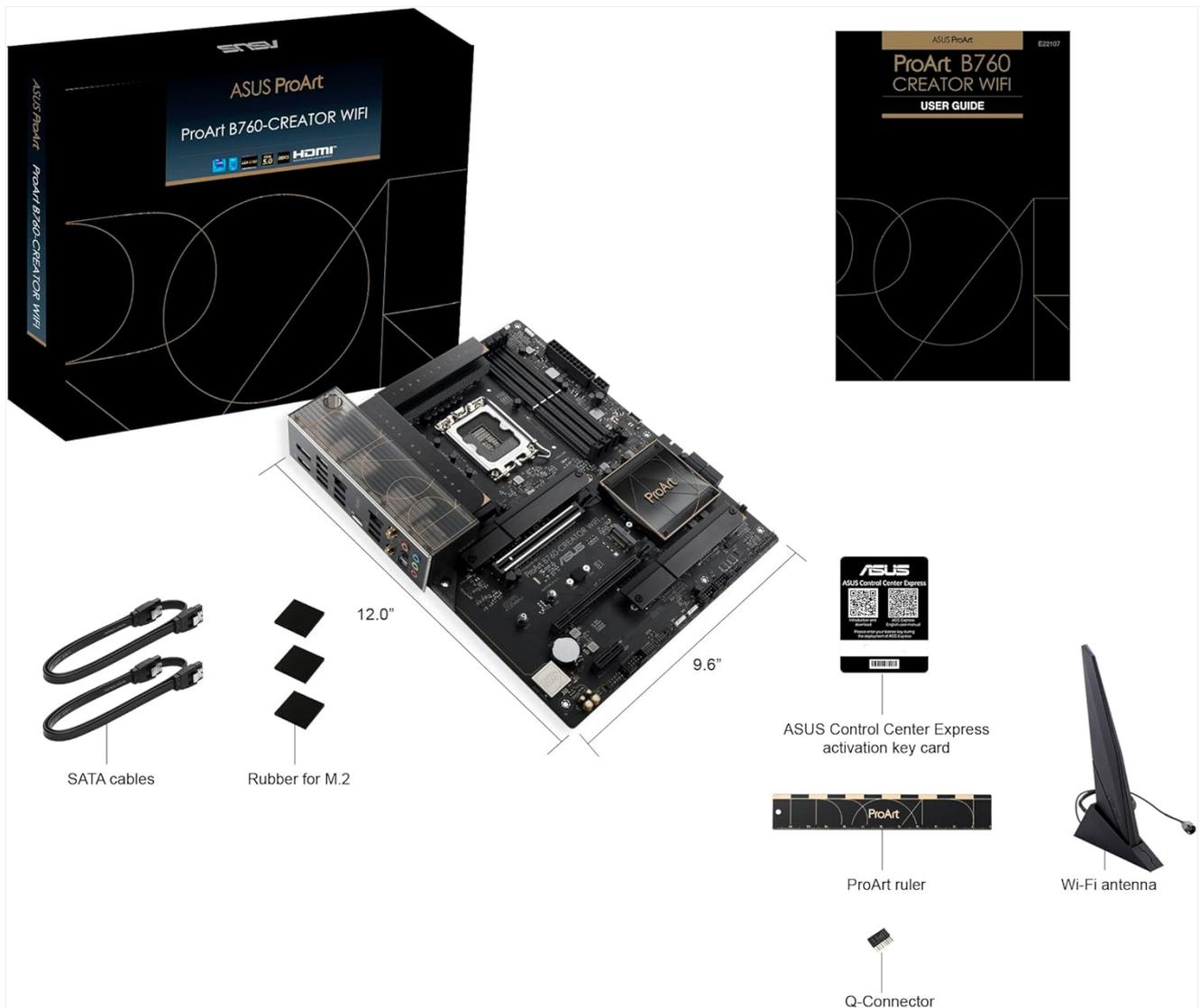


Figure 2.4: Included accessories: SATA cables, rubber standoffs for M.2 drives, user guide, Wi-Fi antenna, ASUS Control Center Express activation key card, ProArt ruler, and Q-Connector.

- ASUS ProArt B760-CREATOR WiFi Motherboard
- User Guide
- SATA Cables
- Rubber for M.2 (for M.2 SSD installation)
- Wi-Fi Antenna
- ASUS Control Center Express activation key card
- ProArt ruler
- Q-Connector (for easy front panel header connection)

3. SETUP AND INSTALLATION

3.1. Safety Precautions

- Always disconnect the power cord from the wall outlet before touching any component.
- Wear an anti-static wrist strap or frequently touch a grounded object to prevent electrostatic discharge (ESD).
- Handle components by their edges to avoid touching sensitive parts.
- Ensure proper ventilation within your PC case.

3.2. Pre-installation Checklist

- Compatible CPU (Intel 12th or 13th Gen LGA 1700)
- DDR5 RAM modules
- CPU Cooler (compatible with LGA 1700)
- Graphics Card (PCIe 5.0 recommended for full performance)
- Storage Devices (M.2 SSDs, SATA SSDs/HDDs)
- Power Supply Unit (PSU)
- PC Case

3.3. Motherboard Installation Steps

1. **Install the CPU:** Open the LGA 1700 socket lever, align the CPU's golden triangle with the socket's triangle, gently place the CPU, and close the lever.
2. **Install the CPU Cooler:** Follow the cooler manufacturer's instructions to install it onto the CPU and motherboard.
3. **Install RAM Modules:** Open the DIMM slot clips, align the RAM module's notch with the slot's key, and press firmly until the clips snap into place. For dual-channel performance, refer to your user guide for recommended slot configurations.
4. **Install M.2 SSDs:** Locate the M.2 slots and remove any pre-installed heatsinks. Insert the M.2 SSD into the slot at an angle, then push it down and secure it with the provided screw or rubber standoff. Reattach the heatsink if applicable.
5. **Install Graphics Card:** Insert your PCIe 5.0 graphics card into the primary PCIe x16 slot until it clicks into place. Secure it with a screw to the PC case.
6. **Mount Motherboard in Case:** Align the motherboard with the standoffs in your PC case and secure it with screws.
7. **Connect Power Supply:** Connect the 24-pin ATX power connector and the 8-pin (or 4+4 pin) CPU power connector from your PSU to the motherboard. Connect power to your graphics card if required.
8. **Connect Front Panel Headers:** Use the Q-Connector (if available) to easily connect the power switch, reset switch, HDD LED, and power LED cables from your case to the motherboard.
9. **Connect SATA Devices:** Connect SATA data cables from your storage drives to the SATA ports on the motherboard.
10. **Connect Wi-Fi Antenna:** Screw the included Wi-Fi antenna onto the connectors on the rear I/O panel.

3.4. Initial Boot-up and BIOS Setup

After assembly, connect your monitor, keyboard, and mouse. Power on your system. Press the **DEL** key during startup to enter the BIOS/UEFI setup. Configure boot order, enable XMP/EXPO for RAM, and set up other system preferences as needed. Save changes and exit to proceed with operating system installation.

4. OPERATING YOUR MOTHERBOARD

4.1. Operating System Installation

Once BIOS is configured, insert your operating system installation media (USB drive or DVD) and follow the on-screen prompts to install your preferred OS.

4.2. Driver Installation

After OS installation, install the necessary drivers for your motherboard components. You can find the latest drivers on the ASUS support website for your specific model. Key drivers include:

- Chipset Drivers

- LAN Drivers (for 2.5Gb and 1Gb Ethernet)
- Wi-Fi Drivers (for Wi-Fi 6)
- Audio Drivers
- Graphics Drivers (for integrated graphics if using, or dedicated GPU drivers)

4.3. Connectivity

Your motherboard offers extensive connectivity:

- **Networking:** Utilize the dual LAN ports (2.5Gb and 1Gb) for wired connections or the integrated Wi-Fi 6 for high-speed wireless networking.
- **USB Ports:** Connect peripherals to various USB ports, including high-speed USB 3.2 Gen 2x2 Type-C on the front panel header and multiple USB 3.2 Gen 1 and USB 2.0 ports on the rear I/O.
- **Display Outputs:** Use the HDMI or DisplayPort on the rear I/O if your CPU has integrated graphics.
- **Thunderbolt™ (USB4®) Header:** Connect compatible add-in cards for ultra-fast data transfer and display capabilities.

5. MAINTENANCE

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

- **Keep Drivers Updated:** Periodically check the ASUS support website for the latest drivers and BIOS updates.
- **BIOS/UEFI Updates:** Update your BIOS/UEFI only when necessary, following ASUS's recommended procedures to avoid system instability.
- **Physical Cleaning:** Regularly clean dust from your PC case and motherboard components using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Monitor Temperatures:** Use monitoring software to keep an eye on CPU, chipset, and M.2 SSD temperatures to prevent overheating.

6. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For more complex problems, refer to the ASUS support website or contact technical support.

- **No Power/No Boot:**
 - Check all power connections (24-pin ATX, 8-pin CPU, GPU power).
 - Ensure the PSU is switched on.
 - Verify front panel power switch connection.
- **No Display:**
 - Ensure monitor is connected and powered on.
 - If using a dedicated graphics card, connect the monitor to the GPU, not the motherboard.
 - Reseat the graphics card and RAM modules.
 - Try booting with only one RAM stick.
- **M.2 SSD Not Detected:**
 - Ensure the M.2 SSD is fully seated in its slot.
 - Check BIOS settings to ensure M.2 slots are enabled and configured correctly (e.g., PCIe mode).

- **Network Connectivity Issues:**

- For wired LAN, check Ethernet cable connection and router/modem status.
- For Wi-Fi, ensure the antenna is securely attached and Wi-Fi drivers are installed.
- Check network adapter settings in your operating system.

7. SPECIFICATIONS

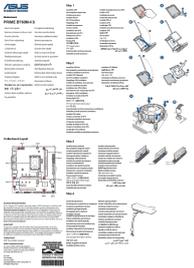
Feature	Specification
Brand	ASUS
Series	ProArt B760-CREATOR WIFI
Form Factor	ATX
Processor Socket	LGA 1700
Compatible Processors	12th and 13th Gen Intel Core Processors
Memory Type	DDR5
Max Memory Size	128 GB
Memory Clock Speed	Up to 7800 MHz (OC)
Graphics Card Interface	PCI Express 5.0
M.2 Slots	3x M.2 slots
LAN Ports	1x 2.5Gb Ethernet, 1x 1Gb Ethernet
Wireless Connectivity	Wi-Fi 6 (802.11ax)
USB Ports	USB 3.2 Gen 2x2 Type-C (front panel header), USB 3.2 Gen 1, USB 2.0
Thunderbolt Header	Yes (USB4® support)
HDMI Ports	1
DisplayPort	1
Product Dimensions	33.78 x 27.18 x 6.6 cm
Item Weight	1.54 Kilograms

8. WARRANTY AND SUPPORT

ASUS products are manufactured to the highest quality standards. For information regarding your product's warranty, please refer to the warranty card included in your package or visit the official ASUS support website. The website provides comprehensive resources, including FAQs, driver downloads, and contact information for technical support.

For further assistance, please visit: [ASUS Support Website](#)

Related Documents - ProArt B760-CREATOR WIFI

 <p>ProArt B760-CREATOR D4</p>	<p>ASUS ProArt B760-CREATOR D4 Motherboard User Manual and Specifications</p> <p>Detailed user manual and specifications for the ASUS ProArt B760-CREATOR D4 motherboard, covering package contents, system specifications, layout, connectors, installation guides for CPU, DIMM, and M.2, and rear panel I/O.</p>
 <p>PRIME Z790-P WIFI</p>	<p>ASUS PRIME Z790-P WIFI Motherboard User Guide</p> <p>Comprehensive user guide for the ASUS PRIME Z790-P WIFI motherboard, covering installation, specifications, safety information, and BIOS setup. Learn about its features for building a high-performance PC.</p>
	<p>ASUS ROG STRIX B760-G GAMING WIFI Motherboard Quick Start Guide</p> <p>A concise guide for installing and setting up the ASUS ROG STRIX B760-G GAMING WIFI motherboard, covering essential steps from CPU installation to system power-up.</p>
 <p>EX-H610M-V3 D4</p>	<p>ASUS EX-H610M-V3 D4 Motherboard User Manual</p> <p>Comprehensive user manual for the ASUS EX-H610M-V3 D4 motherboard, covering product introduction, specifications, BIOS setup, safety information, and compliance details.</p>
	<p>ASUS PRIME B760M-KS Motherboard Quick Start Guide</p> <p>Concise guide for installing and setting up the ASUS PRIME B760M-KS motherboard, covering CPU, memory, storage, expansion cards, and system setup.</p>
 <p>Pro WS W480-ACE</p>	<p>ASUS Pro WS W480-ACE Motherboard User Manual</p> <p>Detailed user manual for the ASUS Pro WS W480-ACE motherboard, covering installation, specifications, BIOS, RAID, and troubleshooting. Learn about CPU, memory, expansion slots, storage, I/O, and special features for professional workstation use.</p>

