

## ASRock DeskMeet X600

# ASRock DeskMeet X600 Mini-PC Kit Instruction Manual

Model: DeskMeet X600

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your ASRock DeskMeet X600 Mini-PC Kit. Please read this manual thoroughly before beginning assembly or operation to ensure proper functionality and safety.

## 2. SAFETY INFORMATION

Always handle electronic components with care. Ensure proper grounding to prevent electrostatic discharge (ESD) damage. Disconnect the power supply before installing or removing any components. Keep the device away from moisture, extreme temperatures, and direct sunlight. Only use the provided power supply and accessories.

## 3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- ASRock DeskMeet X600 Mini-PC Chassis with Motherboard
- 500W 80+ Bronze Power Supply
- Quick Installation Guide
- 2 x SATA Data Cables
- 1 x Screws Package



Image: Contents of the ASRock DeskMeet X600 Mini-PC Kit package, including the chassis, power supply, cables, and documentation.

## 4. PRODUCT OVERVIEW

The ASRock DeskMeet X600 is a compact 8-liter barebone system designed for AMD AM5 Ryzen processors. It features a robust motherboard and an integrated 500W power supply, providing a foundation for a powerful mini-PC.

### 4.1 Key Features

- **Compact 8-Liter Design:** Space-saving chassis fits easily on desks or in entertainment centers.
- **Next-Gen AMD Platform:** Supports AMD Socket AM5 Ryzen 9000, 8000, and 7000 Series Processors (up to 65W TDP).
- **High-Speed DDR5 Memory:** 4 DDR5 DIMM slots support up to 256GB capacity and overclocked speeds up to 7200+ MHz (OC).
- **PCIe 5.0 Storage Ready:** Features one Blazing M.2 (PCIe Gen5 x4) slot for next-generation NVMe SSDs.
- **Integrated 500W Power Supply:** 80+ Bronze certified power supply included.
- **Dual Display Outputs:** Two DisplayPort and one HDMI connections support multiple monitor setups.
- **Comprehensive Connectivity:** 2.5G LAN, multiple USB 3.2 Gen1 ports (Type-C and Type-A), and M.2 Key-E slot for WiFi expansion.

### 4.2 External Views



Image: Front view of the ASRock DeskMeet X600 Mini-PC chassis, showing the power button and front I/O ports.



Image: Rear view of the ASRock DeskMeet X600 Mini-PC chassis, displaying the various connectivity ports and power input.

# Connectivity

Although DeskMeet's compact size, it doesn't compromise on I/O ports. It has eight Type-A USB ports to connect to all of your peripheral devices.

- 1 1 x Headphone / Headset Jack
- 2 1 x USB 3.2 Gen 1 Type C / 2 x USB 3.2 Gen 1 Type A / 2 x USB 2.0 Type A
- 3 Antenna Hole
- 4 Line in / Front Speaker / Microphone
- 5 1 x 2.5G LAN Port/2 x USB 3.2 Gen1 Type A
- 6 BIOS Flashback Switch
- 7 2 x USB 2.0 Type A
- 8 2 x DisplayPort / 1 x HDMI



Image: Detailed diagram illustrating the front and rear connectivity options of the DeskMeet X600, including USB ports, display outputs, and LAN.

## 5. SETUP GUIDE

The ASRock DeskMeet X600 is a barebone system, requiring the installation of a CPU, RAM, and storage devices. Follow these steps carefully.

### 5.1 Component Installation

The DeskMeet X600 features a drawer chassis design for easy access to internal components. Remove one screw at the bottom to pull out the motherboard tray.

## Easy to set up and upgrade

DeskMeet adopts a drawer chassis design so users can pull out the motherboard tray after removing one screw at the bottom. To keep up the system in the latest status, all the components can also be installed or upgraded with ease. DeskMeet provides a simple setup experience to save time and effort.



Image: Diagram showing the drawer-style chassis design of the DeskMeet X600, allowing for easy installation and upgrade of components like graphics cards, hard drives, and M.2 SSDs.

### 5.1.1 CPU Installation

Install your AMD AM5 Ryzen processor into the motherboard socket. Ensure correct orientation and secure the retention arm.



Image: Close-up of an AMD Ryzen CPU socket on a motherboard, ready for processor installation. Install the CPU cooler. Note that the DeskMeet X600 supports CPU coolers up to 54mm in height.



Image: Diagram illustrating various CPU cooler types and their compatibility within the compact chassis, highlighting height restrictions.

### 5.1.2 RAM Installation

Insert DDR5 memory modules into the DIMM slots. Ensure they are fully seated by pressing down until the clips lock into place.

### 5.1.3 Storage Installation

The DeskMeet X600 supports up to four storage devices: 1x Blazing M.2 (PCIe Gen5 x4), 1x Hyper M.2 (PCIe Gen4 x4), and 2x SATA 6Gb/s ports for 2.5-inch or 3.5-inch drives.

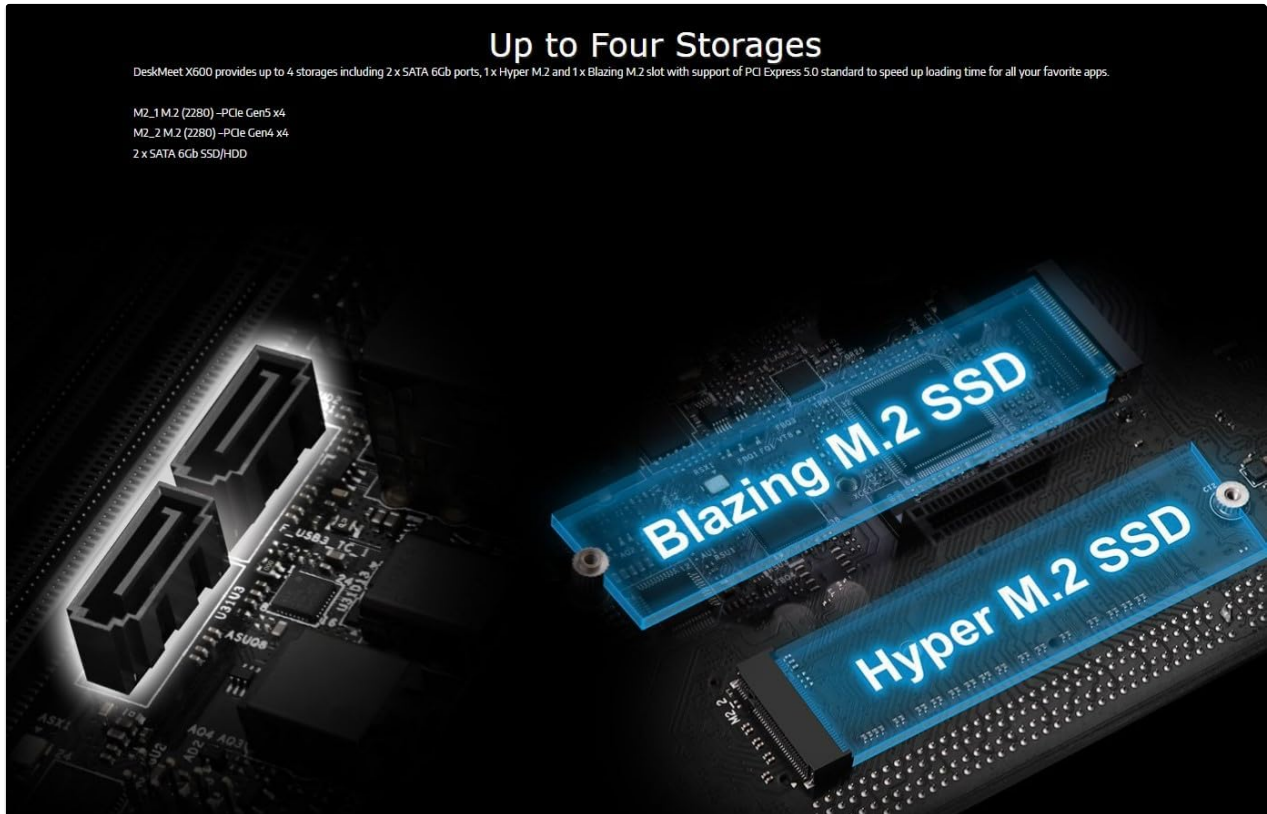


Image: Diagram showcasing the various storage options available in the DeskMeet X600, including M.2 slots for Blazing M.2 (PCIe Gen5 x4) and Hyper M.2 (PCIe Gen4 x4) SSDs, and SATA ports for traditional drives.

#### 5.1.4 Optional Wi-Fi Module Installation

If you wish to add Wi-Fi functionality, install a compatible M.2 Key-E Wi-Fi module into the designated slot and attach the antennas.

## M.2 Wi-Fi Kit<sup>(Optional)</sup>

ASRock M.2 Wi-Fi Kit includes Intel<sup>®</sup> M.2 Wi-Fi module and two antennas, offering wireless connectivity for DeskMeet.

Intel<sup>®</sup> AX210 or Intel<sup>®</sup> AC3168

The availability of M.2 Wi-Fi Kit may vary by region.



Image: Illustration of an optional M.2 Wi-Fi module and antennas, demonstrating how to install them into the DeskMeet X600 for wireless connectivity.

### 5.2 General Assembly Video

Video: A quick installation guide for the DeskMeet X300 series, demonstrating the general assembly process for similar ASRock mini-PCs.

### 5.3 BIOS Update (Flashback)

The DeskMeet X600 features BIOS Flashback, allowing you to update the BIOS without a CPU, RAM, or graphics card installed. This is crucial for compatibility with new generation CPUs.

1. Download the latest BIOS file from the ASRock official website for your specific model (DeskMeet X600).
2. Prepare a USB drive (FAT32 formatted, at least 32GB) and rename the downloaded BIOS file to "PSPBios.img".
3. Unplug the power cable from the DeskMeet X600, then plug it back in.
4. Insert the prepared USB drive into the designated BIOS Flashback USB port (usually marked).
5. Press and hold the BIOS Flashback button for approximately three seconds until the LED light starts flashing.
6. The LED will continue to flash during the update process. Once the LED stops flashing, the update is complete, and the system will restart.

Video: Instructions on how to easily use the BIOS FlashBack feature to update the BIOS for the X600 series.

## 6. OPERATING INSTRUCTIONS

After successful assembly and BIOS update, connect your monitor(s), keyboard, mouse, and other peripherals. Power on the system. You will need to install an operating system (e.g., Windows 10, Windows 11) to use your

mini-PC.

## 6.1 Connecting Peripherals

- **Display:** Use the DisplayPort or HDMI outputs to connect to your monitor(s). The system supports triple display setups.
- **USB Devices:** Connect your keyboard, mouse, and other USB devices to the available USB 3.2 Gen1 (Type-C and Type-A) and USB 2.0 ports.
- **Network:** Connect an Ethernet cable to the 2.5G LAN port for wired internet, or use the optional Wi-Fi module for wireless connectivity.

## 7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DeskMeet X600.

- **Cleaning:** Periodically clean the chassis vents and internal components (fans, heatsinks) to prevent dust buildup, which can affect cooling performance. Use compressed air and a soft brush.
- **Software Updates:** Keep your operating system, drivers, and BIOS updated to the latest versions for improved stability, security, and performance.
- **Component Checks:** Ensure all cables are securely connected and components are properly seated.

## 8. TROUBLESHOOTING

If you encounter issues with your DeskMeet X600, consider the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the system and the wall outlet. Verify the power switch on the rear of the unit is in the 'On' position.
- **No Display:** Check monitor connections and ensure the monitor is powered on and set to the correct input. Verify that the graphics card (if installed) is properly seated and connected.
- **System Not Booting:** Confirm that the CPU, RAM, and storage devices are correctly installed. If installing a new CPU, ensure the BIOS is updated to a compatible version using the BIOS Flashback feature.
- **Overheating:** Ensure proper airflow around the chassis and that CPU cooler is correctly installed. Clean any dust buildup from vents and fans.

## 9. SPECIFICATIONS

Feature	Specification
Processor Support	AMD Socket AM5 Ryzen 9000/8000/7000 Series (up to 65W)
RAM	4x DDR5 DIMM slots, up to 256GB, 7200+ MHz (OC)
Storage	1x Blazing M.2 (PCIe Gen5 x4), 1x Hyper M.2 (PCIe Gen4 x4), 2x SATA 6Gb/s
Graphics Coprocessor	Integrated Graphics (CPU dependent)

Feature	Specification
Display Outputs	2x DisplayPort, 1x HDMI (Max Resolution: 4096x2160)
LAN	2.5G LAN
USB Ports	Multiple USB 3.2 Gen1 (Type-C and Type-A), USB 2.0
Wi-Fi	M.2 Key-E slot for WiFi expansion
Power Supply	Integrated 500W 80+ Bronze
Chassis Volume	8 Liters
CPU Cooler Height Limit	54mm
Operating System Support	Windows 10, Windows 11

## 10. WARRANTY AND SUPPORT

For any product questions or assistance, please contact ASRock support directly through Amazon. Refer to your purchase documentation for specific warranty terms and conditions.