

JOYJOM Mini PC

JOYJOM Mini ITX PC Case User Manual

Model: Mini PC

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your JOYJOM Mini ITX PC Case. Designed for small form factor (SFF) builds, this aluminum case offers a compact solution for your computing needs, including gaming setups. Please read this manual carefully before proceeding with installation.



Image 1: The JOYJOM Mini ITX PC Case in a typical desktop setup, showcasing its compact size.

2. PACKAGE CONTENTS

Please verify that all components listed below are included in your package:

- 1 x JOYJOM Mini ITX PC Case (Black)
- 1 x PCIe 3.0 Riser Cable (18.5 cm)
- Assorted screws for component installation

3. SPECIFICATIONS

The JOYJOM Mini ITX PC Case is engineered with the following specifications:

Feature	Specification
Case Type	Ultra Mini ITX / Small Form Factor (SFF)
Dimensions (D x W x H)	18.4 cm x 10.4 cm x 22.3 cm (7.24 x 4.09 x 8.78 inches)
Case Capacity	4.3 Liters
Material	2mm Aluminum Alloy
Motherboard Compatibility	Standard Mini ITX (17 cm x 17 cm)
Graphics Card Support	Max 17 cm x 10 cm x 4 cm (requires included PCIe 3.0 riser)
Power Supply Support	Flex 1U (15 cm x 4 cm x 8 cm)
Storage Support	2 x 2.5" SSDs (thickness less than 9 mm)
CPU Cooler Height	Max 36 mm
Front I/O	1 x USB 3.0 Port
Expansion Slots	1
Item Weight	1.14 Kilograms

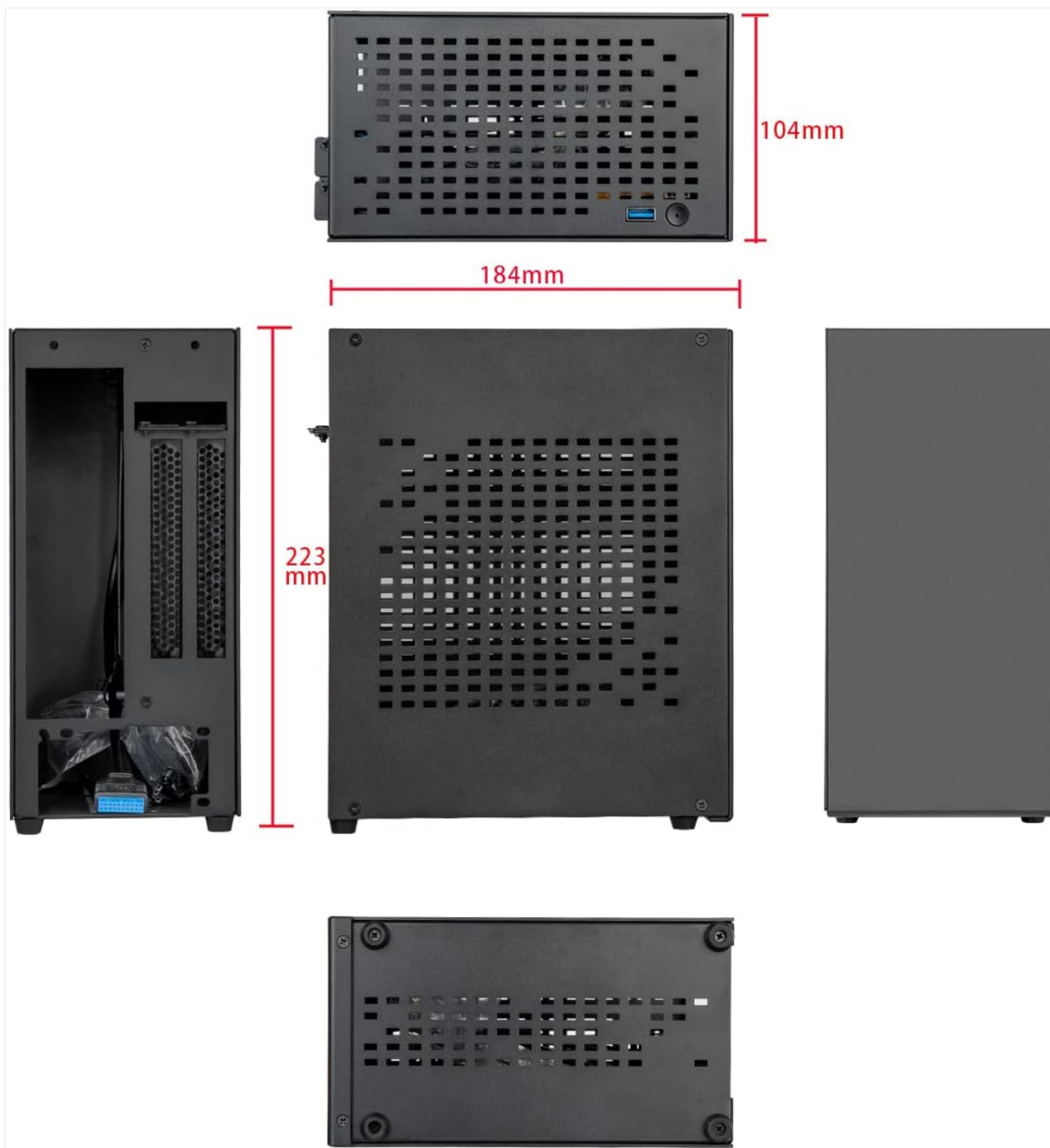


Image 2: Detailed dimensions of the JOYJOM Mini ITX PC Case from various angles.



Image 3: A perspective view illustrating the overall dimensions of the case.

4. SETUP GUIDE

Follow these steps to assemble your PC components within the JOYJOM Mini ITX PC Case.

4.1. Preparation

- Gather necessary tools: Phillips head screwdriver, thermal paste, zip ties or Velcro straps for cable management.
- Ensure you have all your PC components ready: Mini ITX motherboard, CPU, CPU cooler (max 36mm height), RAM, Flex 1U PSU, 2.5" SSDs, and a compatible graphics card (max 17x10x4cm).

4.2. Case Disassembly

The case can be fully disassembled for easier component installation. Carefully remove the side panels and top/bottom panels by unscrewing the retaining screws. Keep track of all screws for reassembly.



Image 4: Internal layout highlighting designated areas for the Mini ITX Motherboard, Graphics Card, 2.5-inch SSDs, and Small 1U Power Supply.

4.3. Motherboard, CPU, and Cooler Installation

1. Install your CPU onto the Mini ITX motherboard.

2. Apply thermal paste and install your CPU cooler. Ensure the cooler height does not exceed 36mm.
3. Install your RAM modules into the motherboard slots.
4. Carefully place the assembled motherboard into the designated area within the case (refer to Image 4). Secure it with the provided screws.

4.4. Storage Installation

Mount up to two 2.5-inch SSDs in the dedicated bays (refer to Image 4). Secure them with screws.

4.5. Power Supply Installation

Install the Flex 1U power supply (15x4x8cm) into its designated compartment (refer to Image 4). Secure it with screws.

4.6. Graphics Card Installation

1. Connect the included PCIe 3.0 riser cable to the motherboard's PCIe slot.
2. Attach your graphics card to the other end of the PCIe riser cable. Ensure your graphics card dimensions do not exceed 17 cm x 10 cm x 4 cm.
3. Mount the graphics card securely within the case, typically parallel to the motherboard, using the provided mounting points and screws.

4.7. Cable Management

Connect all necessary power cables from the PSU to the motherboard, CPU, graphics card, and storage devices. Connect the front panel I/O cables (USB 3.0, power button, etc.) to the motherboard. Route cables neatly to ensure optimal airflow and prevent interference with components. Use zip ties or Velcro straps if needed.

4.8. Reassembly

Once all components are installed and cables are managed, carefully reattach the case panels, ensuring all screws are tightened. Do not overtighten.

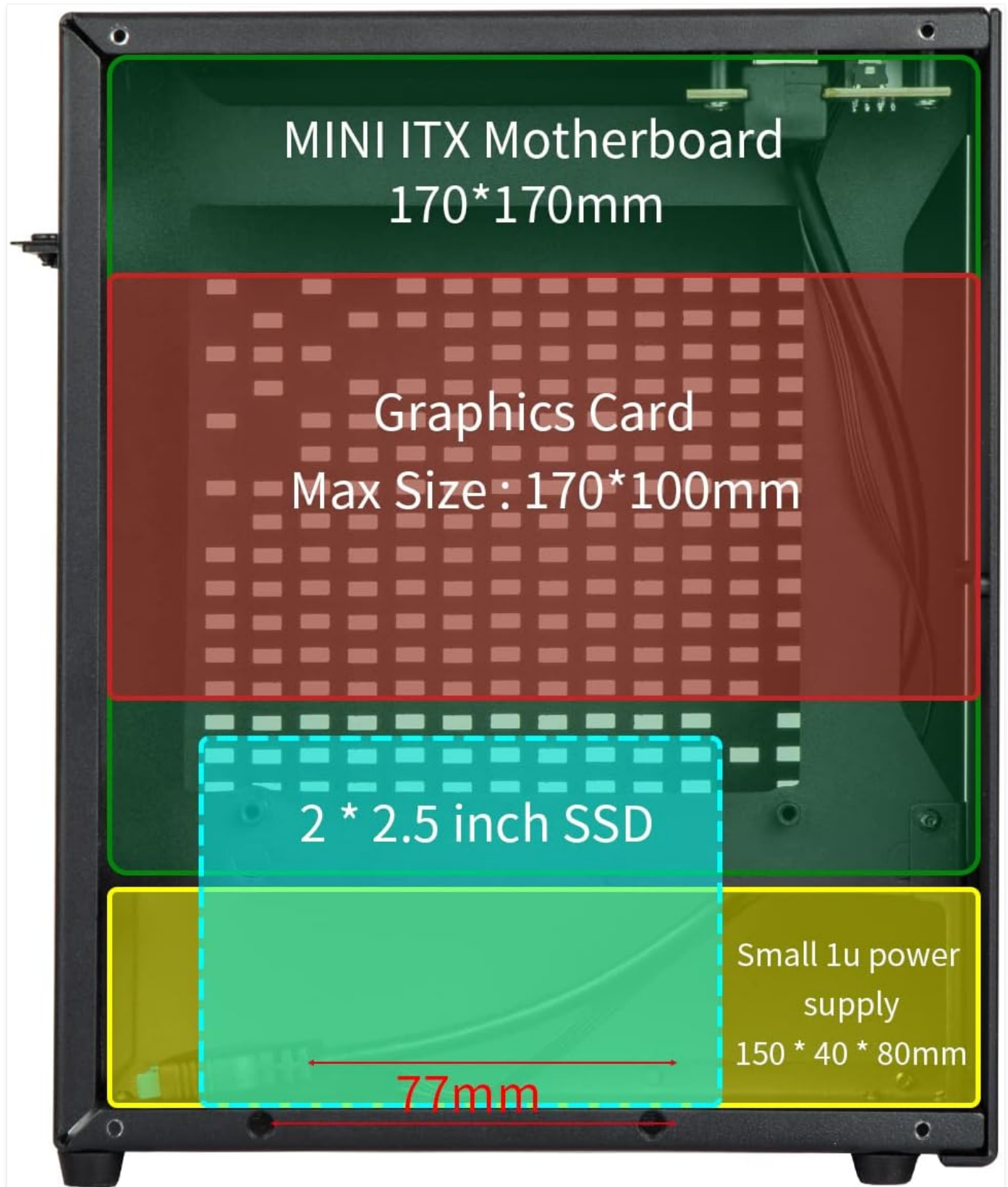


Image 5: An internal view of the case, illustrating potential cable routing paths and component space.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

Connect your monitor, keyboard, mouse, and power cable to the assembled PC. Press the power button located on the front panel to turn on your system. To shut down, use your operating system's power off function.

5.2. Ventilation and Airflow

The case features perforated panels designed for heat dissipation. Ensure the case is placed in an area with adequate airflow and that the vents are not obstructed. Due to its compact size, careful component selection and cable management are crucial for maintaining optimal temperatures.

6. MAINTENANCE

6.1. Dust Cleaning

Regularly clean the case to prevent dust buildup, which can hinder airflow and component cooling. Use compressed air to clear dust from the perforated panels and internal components. For stubborn dust, a soft brush or microfiber cloth can be used.

6.2. External Cleaning

Wipe the exterior of the aluminum case with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the finish.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

7.1. PC Not Powering On

- Check if the power cable is securely connected to both the PSU and the wall outlet.
- Ensure the PSU switch is in the 'ON' position.
- Verify that the front panel power button cable is correctly connected to the motherboard.
- Confirm all internal power connections (24-pin ATX, 8-pin CPU, PCIe power, SATA power) are secure.

7.2. No Display Output

- Ensure your monitor is connected to the graphics card's output, not the motherboard's integrated graphics port (unless you are using integrated graphics).
- Check that the graphics card is fully seated in the PCIe riser and the riser is correctly connected to the motherboard.
- Verify that the graphics card has adequate power connected from the PSU.

7.3. Overheating Issues

- Ensure the CPU cooler is properly installed and making good contact with the CPU, with thermal paste applied.
- Check for proper cable management to avoid obstructing airflow.
- Verify that the case's ventilation holes are not blocked.
- Consider reducing component power limits or upgrading to a more efficient CPU cooler if temperatures remain high.

7.4. Component Fit Issues

- Double-check component dimensions against the specifications provided in Section 3.
- Ensure the PCIe riser cable is correctly positioned and not interfering with other components.

8. WARRANTY AND SUPPORT

This product is manufactured by JOYJOM. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official JOYJOM website. Information regarding software updates or extended

support is not available in this manual. For technical assistance, please contact JOYJOM customer support through their official channels.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question