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SAMA IM02

SAMA IM02 Micro ATX Tower Computer Case

User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SAMA IM02 Micro ATX Tower Computer Case. The IM02 case is designed for versatility, supporting both Micro-ATX and ITX motherboard configurations, and offering flexible component installation options. Please read these instructions carefully before beginning assembly to ensure proper setup and optimal performance.

SETUP AND INSTALLATION

1. Preparing the Case

The SAMA IM02 features an easy-to-remove structure. The front, top, and side panels are secured with a special buckle design, allowing for removal without complicated screws. Gently pull or unlatch the panels to access the interior for component installation.



Image: SAMA IM02 Micro ATX Tower Computer Case with internal components.

2. Motherboard Installation

The IM02 case supports both Micro-ATX and ITX motherboards. Choose the appropriate standoffs and mounting points for your specific motherboard form factor. Secure the motherboard using the provided screws.

3. Power Supply Unit (PSU) Installation

The case supports both SFX and ATX power supplies, with a bottom mount design. When installing an ATX power supply, consider its length as it directly impacts graphics card clearance. For larger graphics cards, a shorter PSU (e.g., 150mm or less) is recommended to allow for proper cable routing and component fitment.

4. Graphics Card (GPU) Installation

The IM02 offers flexible GPU installation with 4+2 PCIe slots, allowing for either horizontal or vertical mounting. Refer to the following clearance guidelines:

- **Vertical GPU Installation (with ATX PSU):** Maximum GPU length of 245mm. Maximum CPU cooler height of 88mm.
- **Horizontal GPU Installation:** Maximum GPU length of 335mm. Maximum CPU cooler height of 155mm.

Ensure adequate space for cable management, especially with larger PSUs and GPUs.

5. Storage Device Installation

The case provides ample space for storage, supporting up to 5 x 3.5-inch HDDs and 7 x 2.5-inch SSDs. Mount your storage devices in the designated bays and connect them to the motherboard and PSU.

6. Fan and Cooling System Installation

The IM02 case features 7 fan spaces to maximize system ventilation. Top, bottom, side cover, and front panel sides include ventilation holes for efficient heat dissipation. Install fans in desired locations to optimize airflow. The case also supports water cooling solutions.

7. Front Panel Connections

Connect the front panel I/O cables to your motherboard. The case includes 2 x USB 3.0 ports for high-speed data transmission, along with standard audio and power/reset connections.

OPERATING GUIDELINES

Once all components are installed and secured, close the side panels. Ensure all external cables (power, monitor, peripherals) are connected correctly. Power on your system. The case's design promotes efficient airflow, but regular monitoring of component temperatures is recommended, especially under heavy load.

MAINTENANCE

To maintain optimal performance and longevity of your SAMA IM02 case and its components:

- **Dust Removal:** Regularly clean dust filters and internal components using compressed air or a soft brush. Dust accumulation can impede airflow and lead to overheating.
- **Cable Management:** Periodically check cable routing to ensure it does not obstruct airflow or interfere with fan operation.
- **Panel Security:** Ensure all panels are securely fastened after maintenance to prevent dust ingress and maintain structural integrity.

TROUBLESHOOTING

If you encounter issues during or after installation, consider the following:

- **Component Clearance:** If a large graphics card does not fit, verify the length of your power supply. A PSU longer than 150mm may restrict space for longer GPUs, especially in horizontal mounting configurations.
- **Cable Routing:** Ensure all power and data cables are properly connected and not interfering with fans or other components. Poor cable management can hinder airflow.
- **Power Issues:** Double-check all power connections, including the 24-pin ATX, 8-pin CPU, and PCIe power cables.
- **Ventilation:** Confirm that all installed fans are spinning and that ventilation holes are not obstructed.

For persistent issues, consult the documentation for your individual components (motherboard, GPU, PSU) or contact SAMA customer support.

SPECIFICATIONS

Feature	Specification
Brand	SAMA
Model Name	IM02

Case Type	Tower
Motherboard Compatibility	Micro ATX, ITX
Material	Alloy Steel, Tempered Glass
Color	Black
Power Supply Mounting Type	Bottom Mount (Supports SFX/ATX PSUs)
Max GPU Length (Vertical)	245mm
Max GPU Length (Horizontal)	335mm
Max CPU Cooler Height (Vertical)	88mm
Max CPU Cooler Height (Horizontal)	155mm
Number of Expansion Slots	6
Storage Bays	Up to 5 x 3.5" HDD, 7 x 2.5" SSD
Fan Capability	7 fan spaces
Front I/O Ports	2 x USB 3.0, 2 x USB 2.0
Cooling Method	Air / Water (User Configurable)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official SAMA website or the documentation included with your purchase. Keep your proof of purchase for warranty claims.