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› SAMA IM01 Pro Black Micro ATX Mini-ITX Steel Metal Panel Mid Tower Computer Case Instruction Manual

SAMA SAMA IM01 Pro Black

SAMA IM01 Pro Black Micro ATX Mini-ITX Computer Case

Model: SAMA IM01 Pro Black

1. INTRODUCTION

Thank you for choosing the SAMA IM01 Pro Black Micro ATX Mini-ITX Computer Case. This manual provides essential information for the proper assembly, operation, and maintenance of your new PC case. Please read this guide thoroughly before beginning installation to ensure optimal performance and longevity of your system.



Image: The SAMA IM01 Pro Black computer case, showcasing its compact design and internal RGB lighting.

2. SAFETY GUIDELINES

Always observe the following safety precautions to prevent injury or damage to your components:

- Ensure your workspace is clean, well-lit, and free of static electricity. Use an anti-static wrist strap if available.
- Disconnect the power supply from the wall outlet before installing or removing any components.
- Handle components by their edges to avoid touching sensitive circuitry.
- Do not force components into place. If a component does not fit, recheck its orientation and compatibility.
- Keep small parts and screws away from children.

3. PACKAGE CONTENTS

Verify that all the following items are included in your package:

- SAMA IM01 Pro Black Micro ATX Mini-ITX Computer Case
- 1 x 120mm Silent Fan (pre-installed)
- Accessory Box (containing screws, standoffs, cable ties, etc.)
- Power Adapter Cable (for USA power cord)
- GPU Anti-sag Bracket

4. PRODUCT FEATURES

The SAMA IM01 Pro Black case offers a range of features designed for optimal performance and user convenience:

- **Metal Mesh Panel Design:** Ensures high airflow for efficient cooling.
- **Motherboard Compatibility:** Supports Micro ATX and Mini-ITX motherboards.
- **Pre-installed Fan:** Includes one 120mm silent fan for immediate cooling.
- **Front I/O Ports:** Features 2x USB 3.0, HD Audio, and 1x Type-C port for convenient connectivity.
- **Snap Fastener Design:** Front, top, side, and bottom panels utilize buckle design for tool-less disassembly and assembly.
- **Adjustable PSU Location:** Allows for flexible power supply placement.
- **Cooling Support:** Maximum support for 166mm air-cooled CPU coolers and 280mm water-cooled radiators.
- **Drive Support:** Accommodates up to 5 HDD or 5 SSD drives depending on configuration.
- **Inverted Installation Design:** Supports both upright and inverted system configurations.

Front Panel I/O

M-ATX/ITX

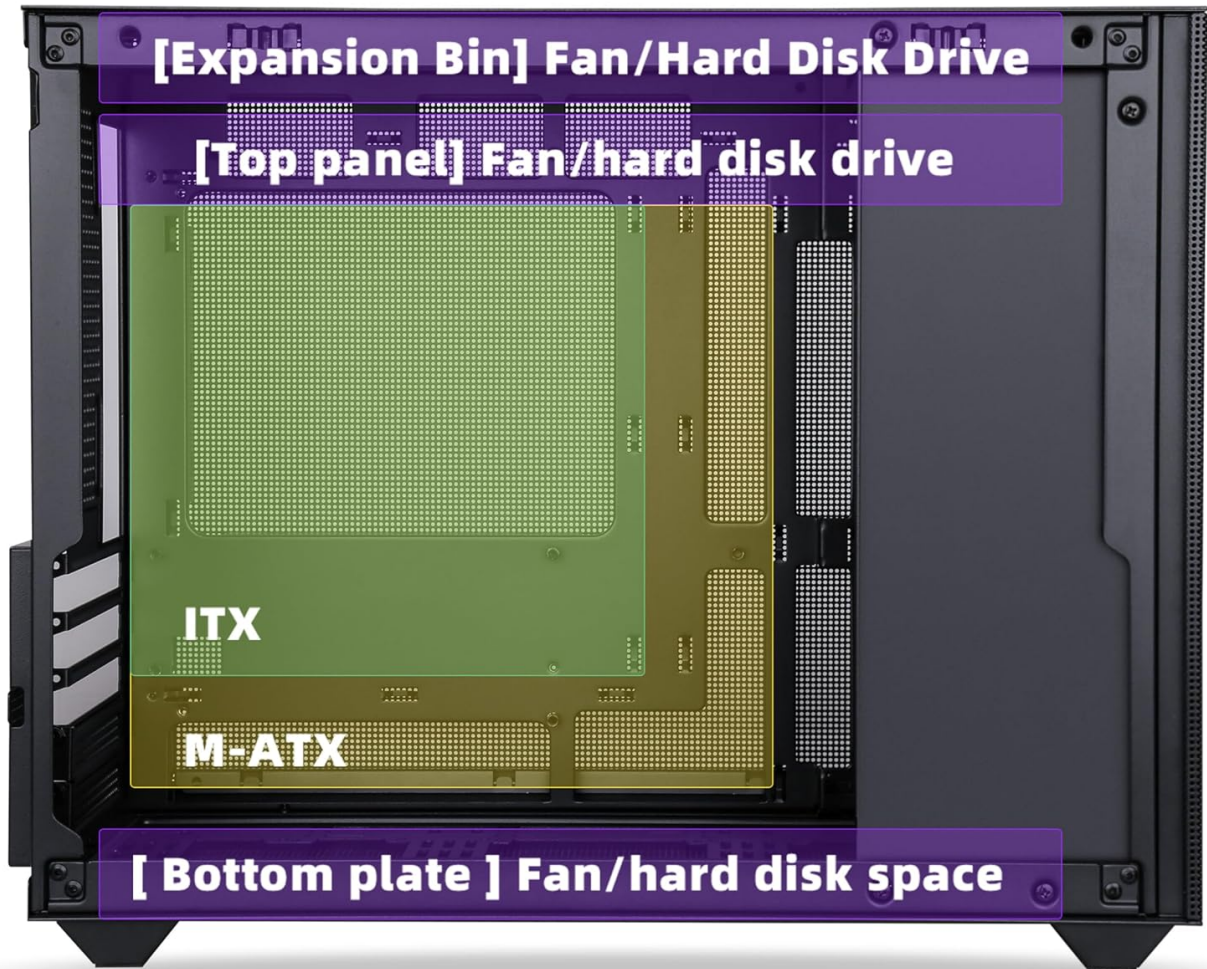


Image: Detailed view of the front panel I/O, showing the power button, audio interface, two USB 3.0 ports, and one Type-C port.

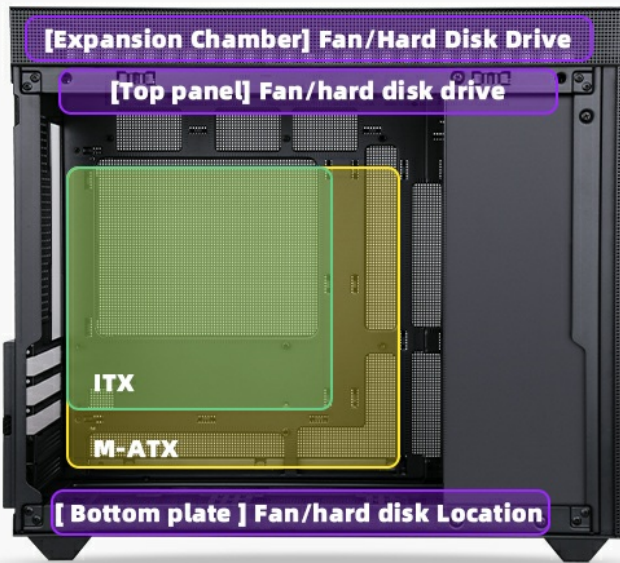
Motherboard and Drive Compatibility



Image: An internal diagram illustrating the compatible sizes for M-ATX and ITX motherboards, along with potential locations for fans and hard disk drives (Expansion Bin, Top panel, Bottom plate).

Micro ATX/mini-ITX

Supports 5 x HDD drives or 5 x SSD drives



Note: When the motherboard USB3.0 is at the bottom, the motherboard only supports 1 HDD HDD and SSD all share the same location

Top Board Support

1 HDD or 1 SSD

Bottom Panel Support

2 HDDs or 2 SSDs

Expansion Compartment Support

2 HDDs or 2 SSDs

Image: A visual guide to the various locations for HDD and SSD installation, including Top Board Support (1 HDD or 1 SSD), Bottom Panel Support (2 HDDs or 2 SSDs), and Expansion Compartment Support (2 HDDs or 2 SSDs).

Power Supply and GPU Support

Supports ATX/SFX power supply



ATX Power Supply Front Mounting

The ATX power supply is installed at the top (as shown in the figure) Power supply length $\leq 140\text{mm}$, graphics card length limit 355mm Power supply length is between 140~150mm, and the graphics card is limited to 300mm in length Power supply length $>150\text{mm}$, graphics card limit length 280mm

Image: This diagram shows how an ATX power supply is installed at the top of the case. It also specifies graphics card length limitations based on PSU length: up to 355mm for PSUs $\leq 140\text{mm}$, 300mm for PSUs between 140-150mm, and 280mm for PSUs $> 150\text{mm}$.

Inverted Installation Design

Inverted Installation Design

Supports Upright/Inverted Installation Front Mounting

Power supply front mounting
VGA card bottom mounting



Reverse Mounting
Power Supply Front Mounting, VGA Card Bottom Mounting



Image: A side-by-side comparison demonstrating the flexibility of the case, allowing for both standard upright installation (Power supply front mounting, VGA card bottom mounting) and inverted (Reverse Mounting, Power Supply Front Mounting, VGA Card Bottom Mounting).

5. SETUP AND INSTALLATION

Follow these steps to assemble your computer system within the SAMA IM01 Pro case.

5.1 Preparing the Case

1. Place the case on a flat, stable surface.
2. Gently pull the side panels, top panel, and front panel to remove them. They are secured by snap fasteners and do not require tools.

5.2 Motherboard Installation

1. Install the CPU, CPU cooler, and RAM onto your Micro ATX or Mini-ITX motherboard before placing it in the case.
2. Align the motherboard with the standoffs inside the case. Ensure the I/O shield is properly seated in the rear opening.
3. Secure the motherboard using the provided screws.

5.3 Power Supply Installation

1. Determine the desired PSU location (adjustable).
2. Mount your ATX or SFX power supply into the designated bracket.
3. Secure the PSU bracket to the case.
4. Connect the included power adapter cable to your PSU and route it through the designated channel to the rear of the case.

Power adapter cable, Support USA power cord

Easy to install and route to replace the original power supply cable of the power supply



Image: The included power adapter cable, designed to support USA power cords and facilitate easy routing from the power supply.

5.4 Component Installation (GPU, Drives, Fans)

1. **Graphics Card (GPU):** Install your graphics card into the PCIe slot on the motherboard. Utilize the included GPU anti-sag bracket if necessary.
2. **Storage Drives (HDD/SSD):** Install your 2.5-inch or 3.5-inch drives into the designated mounting locations (top panel, bottom panel, or expansion chamber).
3. **Additional Fans/Radiators:** Install additional cooling fans or liquid cooling radiators as desired in the available mounting points (top, bottom, side, expansion chamber).

1 Extra Extension Chamber to Install Fans and Liquid Coolers



Extension Chamber Support Below:

3 x
12cm fans

or

2 x
14cm fans

or

2 HDD
drives

or

2 SSD
drives



Image: The optional extension chamber, which can be used to install additional fans (3x 12cm or 2x 14cm) or liquid coolers, or alternatively, 2 HDD or 2 SSD drives.

5.5 Cable Management

1. Route all cables neatly behind the motherboard tray and through the cable management cutouts.
2. Use cable ties to secure bundles of cables, ensuring proper airflow and a clean build.

5.6 Reassembling the Case

1. Once all components are installed and cables are managed, reattach the side panels, top panel, and front panel by aligning them and pressing firmly until the snap fasteners engage.

6. OPERATION

After successful assembly, connect your peripherals and power cable to the system. Press the power button on the front panel to turn on your computer. The front I/O ports (USB 3.0, Type-C, Audio) are ready for use with your devices.

7. CARE AND MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your SAMA IM01 Pro case:

- **Dust Cleaning:** Periodically remove the mesh panels and use compressed air or a soft brush to clean dust from fans, radiators, and internal components.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Cable Management Check:** Occasionally inspect internal cables to ensure they remain neatly routed and do not obstruct airflow.

8. TROUBLESHOOTING

If you encounter issues with your SAMA IM01 Pro case, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
System does not power on.	Ensure the power supply is properly connected to the wall outlet and the motherboard. Check front panel power button connections to the motherboard.
Poor airflow or high temperatures.	Verify all fans are spinning correctly. Ensure mesh panels are not obstructed. Clean dust filters and internal components. Check fan orientation for proper intake/exhaust.
PSU cable feels awkward or sticks out.	Ensure the included right-angle power cable extender is routed correctly through the designated channel. If preferred, a standard power cable can be routed directly to the PSU, bypassing the internal extension.
Graphics card clearance issues.	Check the length of your graphics card against the case specifications, especially in relation to the power supply length. Consider adjusting PSU location if possible.
No 2.5-inch drive mounting.	The case supports 2.5-inch drives in specific locations (Top Board Support, Bottom Panel Support, Expansion Compartment Support). Refer to the 'Motherboard and Drive Compatibility' section for details.

9. SPECIFICATIONS

Feature	Detail
Model Name	SAMA IM01 Pro Black
Case Type	Mid Tower
Motherboard Compatibility	Micro ATX, Mini-ITX
Material	Alloy Steel
Color	Metal Black
Front I/O Ports	2x USB 3.0, 1x Type-C, HD Audio
Pre-installed Fan	1x 120mm Silent Fan
Max CPU Cooler Height	166mm
Max Radiator Support	280mm
Power Supply Mounting Type	Rear Mount (Adjustable)
Cooling Method	Fan cooling / Air cooling / Liquid cooling
Item Weight	14 pounds
Product Dimensions (LxWxH)	19.29 x 12.83 x 15.53 inches

Dimensions

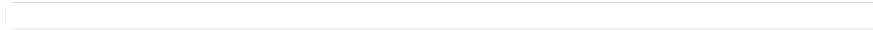


Image: A diagram showing the dimensions of the SAMA IM01 Pro case. Without the expansion chamber, it measures 391mm (L) x 205mm (W) x 325mm (H). With the expansion chamber fitted, the height increases to 362mm.

10. WARRANTY AND CUSTOMER SUPPORT

SAMA products are manufactured to high-quality standards. For warranty information or technical support, please refer to the official SAMA website or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.