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› SHINYSNAKE G600 MATX MFF Gaming Case with 11.3 Inch Screen User Manual

## SHINYSNAKE G600-AS-WT

# SHINYSNAKE G600 MATX MFF Gaming Case

Model: G600-AS-WT (Auxiliary Screen Version - White)

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SHINYSNAKE G600 MATX MFF Gaming Case. The G600 is designed for high-performance computing in a compact form factor, featuring a solid wood front panel, tempered glass side panel, and an optional 11.3-inch auxiliary screen for real-time hardware monitoring. Please read this manual thoroughly before beginning assembly to ensure proper setup and optimal performance.



Image: The SHINY SNAKE G600 MATX MFF Gaming Case in white with its auxiliary screen displaying system information.

## SAFETY INFORMATION

- Always disconnect the power supply from the wall outlet before installing or removing any components.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive components.
- Handle components carefully to avoid physical damage.
- Keep small parts and tools away from children.
- Ensure proper ventilation around the case to prevent overheating.
- Do not operate the system with the side panels removed unless performing maintenance or troubleshooting.

## PACKAGE CONTENTS

Verify that all items are present before beginning assembly:

- SHINY SNAKE G600 MATX MFF Gaming Case (Auxiliary Screen Version)

- Accessory Box (screws, cable ties, standoffs, etc.)
- User Manual (this document)
- Auxiliary Screen USB Cable
- Auxiliary Screen Power Cable

## SETUP AND INSTALLATION

Follow these steps for proper assembly of your PC components within the G600 case.

### 1. Prepare the Case

1. Carefully remove the tempered glass side panel and the solid wood front panel. These are typically secured with thumbscrews or a snap-on mechanism.
2. Unpack the accessory box and identify the various screws and mounting hardware.



Image: The SHINYSNAKE G600 case with its side panel removed, showing the internal layout.

### 2. Motherboard Installation

1. Install the CPU, CPU cooler (if air cooler), and RAM onto your Micro-ATX or Mini-ITX motherboard outside the case.
2. Align the motherboard with the standoffs inside the case. Ensure the I/O shield is correctly positioned.
3. Secure the motherboard using the provided screws.

### 3. Power Supply Unit (PSU) Installation

The G600 supports ATX PSUs up to 160mm in length and features a 3-level adjustable PSU chamber to optimize clearance for GPUs and cooling.

1. Determine the optimal PSU chamber level based on your GPU length and AIO radiator thickness. Refer to the diagrams below for guidance.
2. Mount the PSU to the adjustable bracket and secure it in the desired position.
3. Route the necessary PSU cables through the cable management cutouts.

#### Adjustable ATX PSU Chamber

3-position Vertical Adjustment Chamber Enables Optimized Clearance for Different AIO



Image: Diagram illustrating the adjustable ATX PSU chamber for optimized clearance.

#### PSU Chamber in Level 1

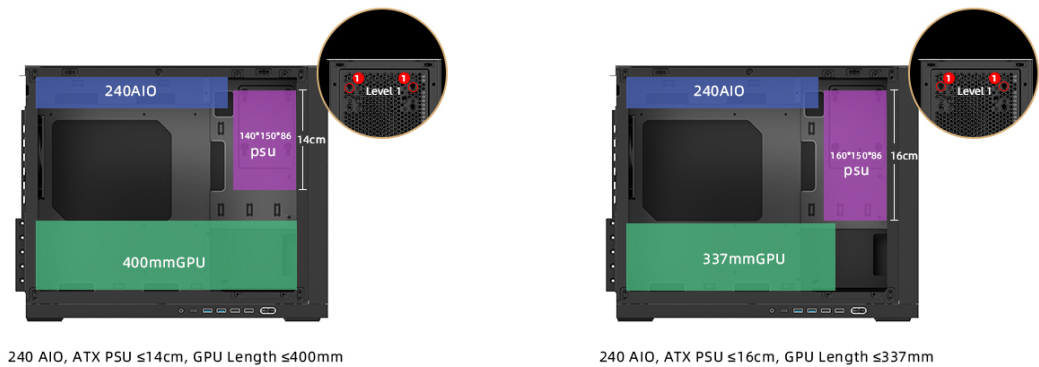


Image: Configuration for PSU Chamber Level 1, showing GPU and PSU length compatibility.

## PSU Chamber in Level 2

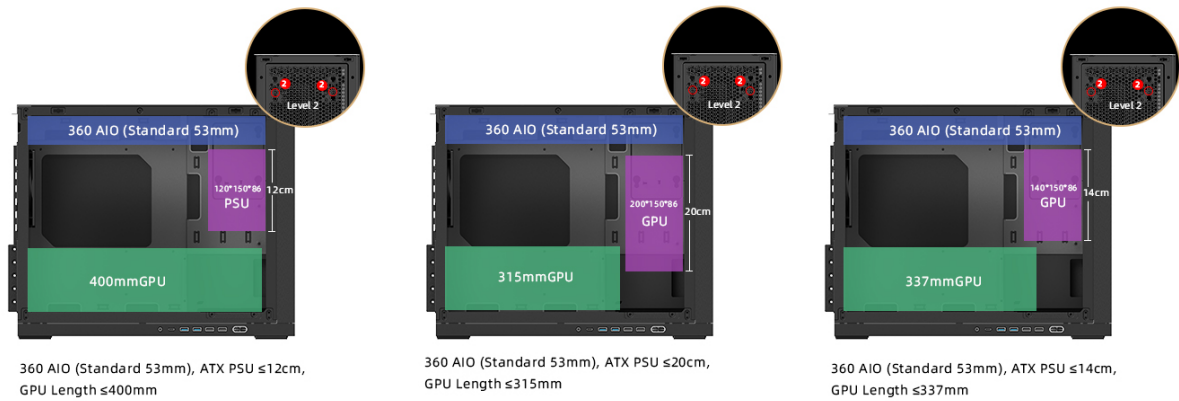


Image: Configuration for PSU Chamber Level 2, showing GPU and PSU length compatibility.

## PSU Chamber in Level 3

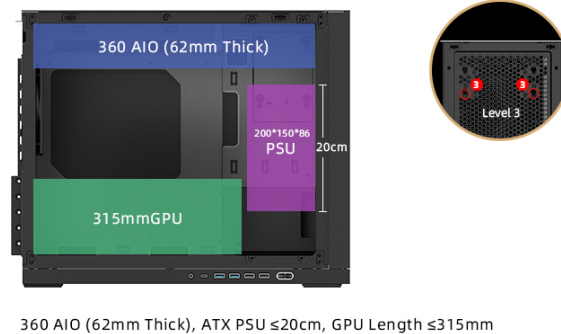


Image: Configuration for PSU Chamber Level 3, showing GPU and PSU length compatibility.

## 4. Graphics Card (GPU) Installation

The G600 supports GPUs up to 400mm in length (5-slot).

1. Remove the necessary PCIe slot covers.
2. Insert your GPU into the primary PCIe slot on the motherboard.
3. Secure the GPU with screws.
4. Connect the appropriate PCIe power cables from the PSU to the GPU.

## 5. Cooling System Installation

The G600 offers flexible cooling options:

- **Air Cooling:** Supports CPU air coolers up to 170mm tall. Up to 7 x 120mm fans can be installed (3x top, 1x rear, 3x bottom).
- **Liquid Cooling:** Supports 360mm AIO radiators at the top or bottom, or a 120mm AIO at the rear. Note: A 360mm AIO at the top or bottom may affect other component clearances.

1. Install your chosen fans or AIO radiator in the designated mounting points.
2. Connect fan power cables to the motherboard or a fan controller.

## Monstrous Airflow

### 7 Cooling Fans Capacity

Top Panel: 3 x 120mm or 2 x 140mm Cooling Fans  
Rear Panel: 1 x 120mm Cooling Fans  
Bottom Panel: 3 x 120mm Cooling Fans (Optional)

**Supports up to 170mm Radiator**

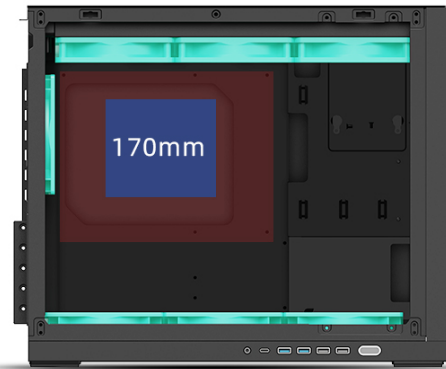


Image: Diagram showing air cooling fan configurations and CPU cooler height support.

## Unlimited Liquid Cooler Capacity

Top Panel: 1 x 120/240/280/360 AIO

Rear Panel: 1 x 120mm Cooling Fan  
(NOT compatible with 360 AIO)

Bottom Panel: 3 x 120mm Cooling Fans (Optional)



Image: Diagram showing liquid cooling AIO radiator support for top, bottom, and rear mounts.

## 6. Storage Device Installation

The G600 supports various storage configurations:

- Rear: 1 x 2.5" SSD mount
- Bottom: 1 x 3.5" HDD mount (optional)
- Auxiliary Screen Bracket: 2 x 2.5" SSD mounts (if not using the screen)

1. Mount your SSDs and HDDs in the appropriate locations using the provided screws.
2. Connect SATA data and power cables.



Image: Visual representation of SSD and HDD mounting points within the case.

## 7. Front I/O Panel Connections

Connect the front panel cables to your motherboard:

- 1 x USB 3.2 Type-C (10Gbps)
- 2 x USB 3.0 (5Gbps)
- 2 x USB 2.0
- 1 x Headphone/Microphone Combo Jack
- Power Button / Reset Button / LED indicators

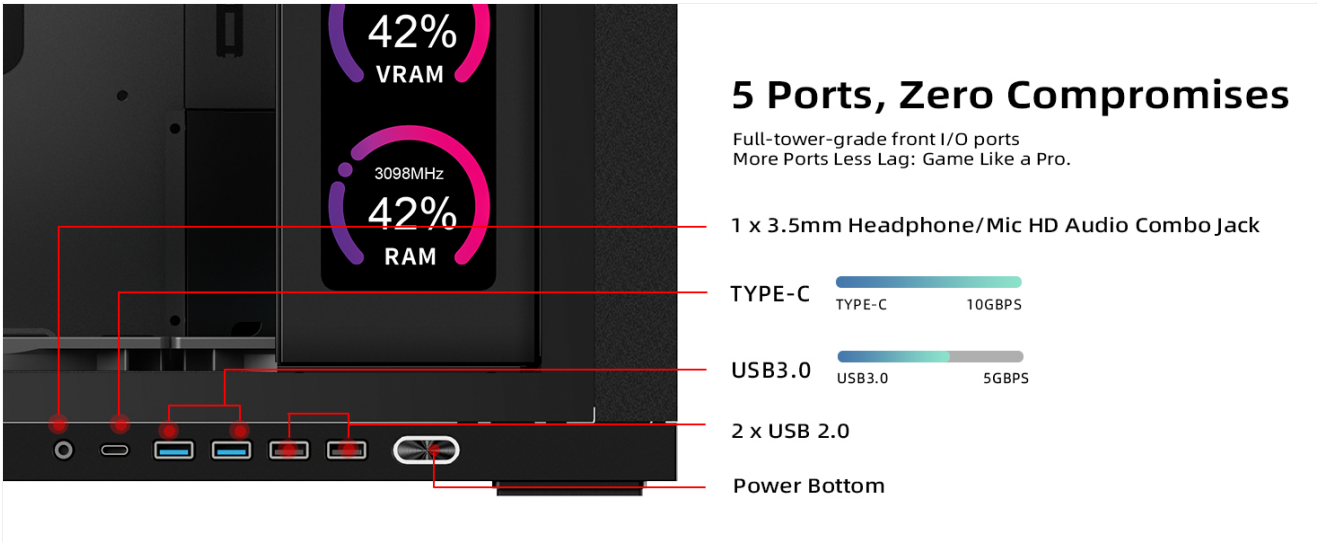


Image: Close-up of the front I/O panel showing USB ports and audio jack.

## 8. Auxiliary Screen Setup

The 11.3-inch auxiliary screen (1920x480 resolution) displays real-time hardware data.

1. Connect the auxiliary screen's USB cable to an available USB 2.0 header on your motherboard.
2. Connect the auxiliary screen's power cable to a SATA power connector from your PSU.
3. Download and install the necessary monitoring software from the official SHINYSNAKE website.
4. Configure the display settings and choose from over 20 customizable themes to show CPU/GPU temperatures, clock speeds, fan RPM, and more.

### Customized 11.3" Auxiliary Screen

Real-time Digital Hardware Monitoring

11.3" Screen with  
480 x 1920 Resolution  
Delivers a clear and smooth visual experience.

Integrated into the case  
Ultra-low Power Consumption - Connects  
via Single Motherboard USB 2.0 Header.

Preloaded with 20+ Monitoring Themes  
Support DIY Themes to Monitor Real-time Hardware  
Temps, Time, Weather, & more.

\* Screen Software Downloadable via Shiny Snake Official Website  
\*Please Ensure Your Motherboard has Dual USB 2.0 Header Support

Image: Features of the 11.3-inch auxiliary screen, including resolution, USB connection, and monitoring themes.

## 9. Final Assembly

1. Perform cable management to ensure optimal airflow and a clean aesthetic.
2. Reattach the tempered glass side panel and the solid wood front panel.

### Installation Video (SHINY SNAKE G350 - General Guidance)

While this video is for the SHINY SNAKE G350 model, it may provide general visual guidance for PC component installation within a compact SHINY SNAKE chassis. Please note that specific steps and component layouts may differ for the G600.

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Video: Installation instructions for the SHINY SNAKE G350 PC case. Provides general steps for component installation.

## OPERATING THE AUXILIARY SCREEN

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Once your system is fully assembled and powered on, the auxiliary screen will activate. Ensure the monitoring software is installed and running in your operating system.

- **Software Configuration:** Use the SHINYSNAKE monitoring software to customize the information displayed on the screen. You can select from various metrics such as CPU temperature, GPU temperature, CPU/GPU load, fan speeds, and more.
- **Theme Selection:** The software offers over 20 customizable themes. Experiment with different themes to find one that suits your aesthetic and informational needs.
- **Troubleshooting Display:** If the screen does not power on or display information, verify the USB and power connections, and ensure the monitoring software is correctly installed and configured.

### Product Overview Video (SHINY SNAKE G600)

This video provides an overview of the SHINY SNAKE G600 MATX Chassis, highlighting its features including the auxiliary screen.

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Video: Overview of the SHINY SNAKE G600 MATX Chassis with Auxiliary Screen, demonstrating its design and features.

## MAINTENANCE

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- **Dust Filters:** Regularly clean the dust filters (if present) to maintain optimal airflow and prevent dust buildup inside the case.
- **Exterior Cleaning:** Use a soft, damp cloth to clean the exterior surfaces. Avoid abrasive cleaners or solvents that could damage the finish or wood panel.
- **Interior Cleaning:** Periodically open the case and use compressed air to remove dust from components and internal surfaces. Ensure the system is powered off and unplugged before cleaning.
- **Tempered Glass:** Clean the tempered glass panel with a microfiber cloth and a glass cleaner designed for electronics to avoid streaks or damage.

## TROUBLESHOOTING

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### System Does Not Power On

- Check all power connections: PSU to wall, PSU to motherboard (24-pin and CPU 8-pin), and front panel power

switch cable to motherboard.

- Ensure the PSU switch is in the "ON" position.
- Verify that the power button cable is correctly connected to the motherboard's front panel header.

Auxiliary Screen Not Displaying

- Confirm the USB and SATA power cables for the auxiliary screen are securely connected.
- Ensure the monitoring software is installed and running in your operating system.
- Check your motherboard's BIOS/UEFI settings to ensure USB 2.0 headers are enabled.

Poor Airflow / Overheating

- Verify all case fans are spinning and oriented correctly for optimal airflow (front/bottom intake, rear/top exhaust).
- Clean any dust filters or internal components that may be obstructing airflow.
- Ensure proper cable management to avoid blocking airflow paths.

SPECIFICATIONS

| Feature                   | Detail                                                                                                      |
|---------------------------|-------------------------------------------------------------------------------------------------------------|
| Product Size (LxWxH)      | 427 x 220 x 362 mm / 16.81" x 8.66" x 14.25"                                                                |
| Motherboard Compatibility | Micro-ATX, Mini-ITX                                                                                         |
| GPU Length Support        | Up to 400mm (5-slot)                                                                                        |
| CPU Cooler Height Support | Up to 170mm                                                                                                 |
| PSU Type & Length         | ATX PSU, up to 160mm (adjustable chamber)                                                                   |
| Fan Mounts                | Top: 3 x 120mm or 2 x 140mm; Rear: 1 x 120mm; Bottom: 3 x 120mm                                             |
| AIO Radiator Support      | Top/Bottom: 120/240/280/360mm; Rear: 120mm                                                                  |
| Storage Bays              | 1 x 2.5" SSD (rear), 1 x 3.5" HDD (bottom, optional), 2 x 2.5" SSD (auxiliary screen bracket, if no screen) |
| Front I/O Ports           | 1 x USB 3.2 Type-C (10Gbps), 2 x USB 3.0 (5Gbps), 2 x USB 2.0, 1 x Headphone/Mic Combo Jack                 |
| Auxiliary Screen          | 11.3-inch, 1920x480 resolution, real-time hardware monitoring                                               |
| Materials                 | SPCC Steel, Tempered Glass, Wood                                                                            |
| Item Weight               | 6.5 Kilograms                                                                                               |



# Specification

|                |                                                                                        |
|----------------|----------------------------------------------------------------------------------------|
| Product Size   | 427x220x362mm / 16.81x8.66x14.25" (LxWxH)                                              |
| Motherboard    | MATX/Mini-ITX                                                                          |
| Expansion Slot | 5                                                                                      |
| GPU Length     | ≤ 400mm                                                                                |
| Air Cooler     | ≤170mm Radiator                                                                        |
| Water Cooler   | 120/240/280/360 AIO                                                                    |
| Fan Mount      | Top: 3 x 120mm or 2 x 140mm Fans<br>Rear: 1 x 120mm Fan;<br>Bottom: 3 x 120mm ,        |
| I/O Interface  | 1 x Type-C (10Gbps); 2 x USB 3.0 (5Gbps); 2 x USB 2.0;<br>1 x Headphone/Mic Combo Jack |
| Power Supply   | ATX PSU                                                                                |

Image: Detailed specifications table for the SHINYSNAKE G600 case.

## WARRANTY AND SUPPORT

### Warranty Information

The SHINYSNAKE G600 MATX MFF Gaming Case comes with a**2-year warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation. Please retain your proof of purchase for warranty claims.

### Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact SHINYSNAKE customer support through their official website or the retailer where the product was purchased. You may need to provide your product model number (G600-AS-WT) and proof of purchase. Official SHINYSNAKE Website: [Visit the SHINYSNAKE Store on Amazon](#)