

SHINYSNAKE G350

Shiny Snake G350 20.8L MATX Mesh PC Case Instruction Manual

Model: G350 | Brand: SHINYSNAKE

1. INTRODUCTION AND OVERVIEW

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Shiny Snake G350 20.8L MATX Mesh PC Case. The G350 chassis is designed for compact yet powerful Micro-ATX (M-ATX) system builds, offering excellent hardware compatibility and thermal performance.

Key features include support for M-ATX motherboards (including reverse-connector designs), 340mm GPUs, and 16cm ATX power supply units. Its triple-sided steel mesh panels ensure optimal airflow, while thoughtful cable management solutions facilitate clean builds. The front panel provides versatile connectivity with Type-C, USB 3.0, USB 2.0, and audio ports. The case also supports flexible cooling configurations with up to five fans or a hybrid fan/storage setup.

Ultra-Compact 20.8L Design

Customized tempered glass and mesh panels to reduce chassis heat

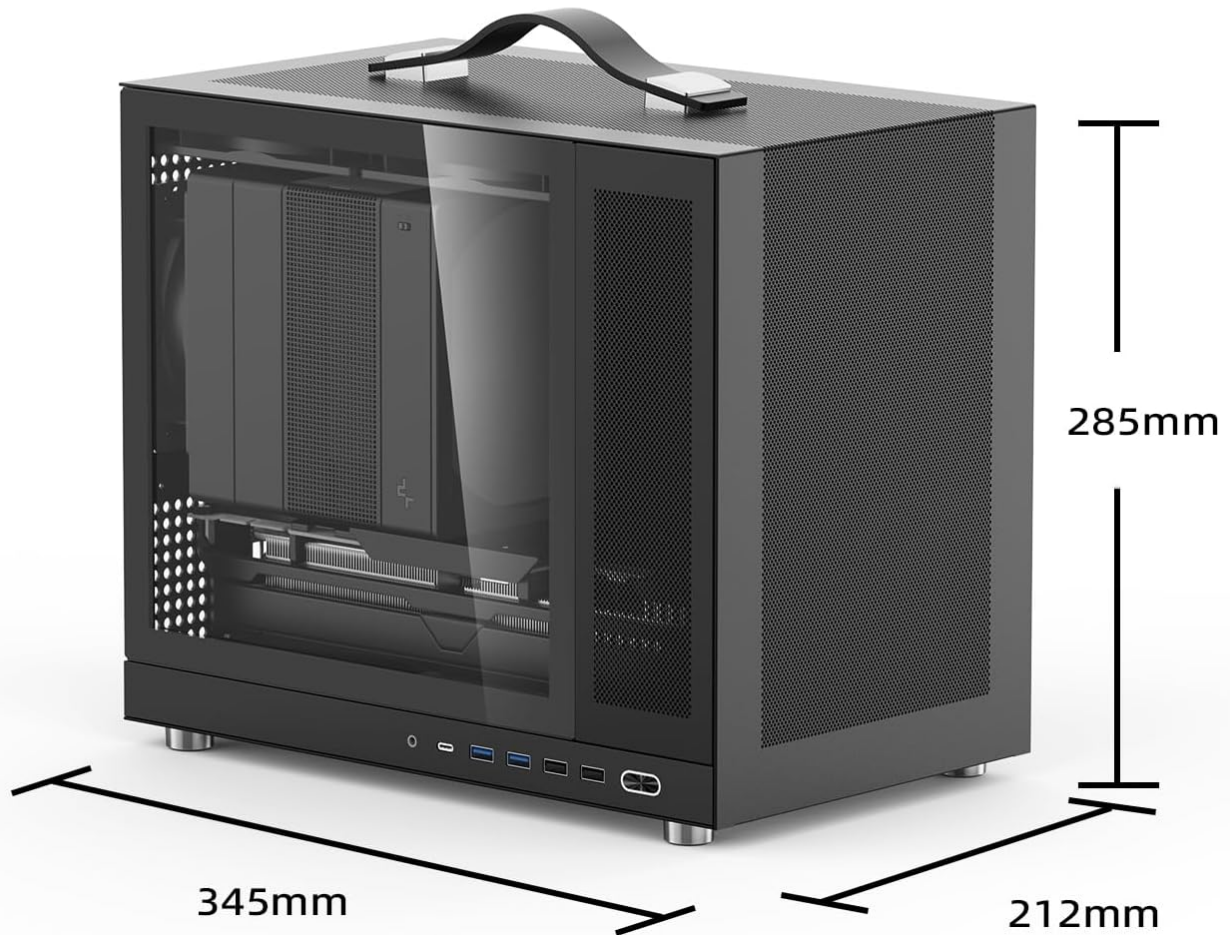


Figure 1: Shiny Snake G350 MATX PC Case (White Version)

2. PRODUCT FEATURES

- **Flagship Hardware Universality:** The G350 case seamlessly accommodates M-ATX motherboards, including those with reverse-connector designs, and supports high-performance 340mm GPUs. It is compatible with full 16cm ATX power supply units, ensuring broad component compatibility without conflicts.
- **Tri-Mesh Thermal Mastery:** Featuring triple-sided steel mesh panels, the chassis creates dedicated cooling channels for the CPU, GPU, and PSU. This design promotes negative pressure airflow, maintaining optimal operating temperatures even during intensive tasks.
- **Cable Management Revolution:** A horizontal PSU orientation and support for reverse-connector motherboards enable clean and efficient wiring. Expansive routing channels are integrated to facilitate pristine, clutter-free builds.
- **Pro Connectivity Hub:** The front panel is equipped with 1x Type-C port, dual USB 3.0 ports, dual USB 2.0 ports, and a headphone/microphone combo jack, providing comprehensive peripheral management.
- **Adaptive Configuration Freedom:** Users can choose between a maximum 5-fan cooling system or a hybrid setup combining 4 fans with 3 storage devices. Modular trays are included to ensure vibration-free operation for installed components. (Cooling fans are not included).

Compatibility Overview



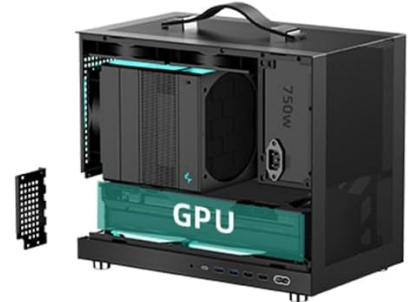
Power Supply Length Support

Air-Cooled: Supports ATX
PSU \leq 160mm



Motherboard Support

Standard MATX
245mm*245mm
motherboard



Support 4-Slot GPU up to 340mm

Removable PCI block for easier
graphic card installation
Recommended to select a GPU
with less than 80mm thickness.

Figure 2: Compatibility Overview for PSU, Motherboard, and GPU

Cooler & Fan



**Support up to 165mm
tower air cooler**



Compatible with up to 5 cooling fans

Top: 120x25mm*2(Optional)

Rear: 120x25mm*1(Optional)

Bottom: 120x25mm*2(Optional)

Figure 3: Cooler and Fan Compatibility

Shiny Snake G350 20.8L MATX Computer Case



Figure 4: Storage Device Support

3. SPECIFICATIONS

Feature	Specification
Brand	SHINYSNAKE
Model Name	G350
Case Type	Mini-Tower
Motherboard Compatibility	Micro ATX (M-ATX), including Back-Connect/BTF MB
GPU Length Support	Up to 340mm
CPU Cooler Height Support	Up to 165mm
PSU Compatibility	ATX PSU (up to 160mm length)

Cooling Fan Support	Up to 5 fans (Top: 2x 120mm, Rear: 1x 120mm, Bottom: 2x 120mm)
Storage Bays	1x 2.5" SSD, 1x 3.5" HDD (or hybrid 4-fan + 3-storage setup)
Front I/O Ports	1x Type-C, 2x USB 3.0, 2x USB 2.0, Headphone/Mic Combo Jack
Material	Aluminum SPCC, Tempered Glass, Mesh Panel
Product Dimensions (L x W x H)	34.49 x 21.21 x 28.5 cm
Item Weight	4.2 kg

4. SETUP AND INSTALLATION

Follow these steps to assemble your PC components within the Shiny Snake G350 case. Refer to the accompanying video for visual guidance.

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Video 1: Shiny Snake G350 Installation Guide. This video demonstrates the step-by-step assembly process for the PC case, including component installation and cable management.

- 1. Prepare the Chassis:** Remove the side panels and rear panel by unscrewing them.
- 2. Install Motherboard Standoffs:** Based on your motherboard's screw hole positions, install the corresponding standoffs using the attached tool.
- 3. Install Motherboard:** Carefully place your M-ATX motherboard into the chassis, aligning it with the installed standoffs. Secure it with the provided mounting screws.
- 4. Install Cooling Fans:** Install top and rear cooling fans (if desired) using the provided fan screws.
- 5. Install RAM:** Insert your RAM modules into the motherboard's DIMM slots until they click into place.
- 6. Install CPU Cooler:** Mount your CPU cooler onto the CPU socket, ensuring proper contact and securing it according to the cooler's instructions.
- 7. Route Front I/O Cables:** Thread the front I/O cables (USB, audio, power switch) to the rear compartment for better cable management.
- 8. Install Power Supply (PSU):** Attach the PSU mounting bracket to your power supply, paying attention to the bracket's orientation. Connect the PSU extension cable. Secure the PSU to the chassis by tilting it at an angle and then tightening the screws.
- 9. Connect Motherboard Power:** Connect the 24-pin motherboard power cable and the CPU power cable from the PSU to the motherboard.
- 10. Connect Front Panel Cables:** Connect the front audio port, front USB 2.0, power switch jumper, front USB 3.0, and front Type-C cables to their respective headers on the motherboard. Use cable ties for neatness.
- 11. Install Storage Devices:** Install your 3.5" HDD and 2.5" SSD into their designated bays and secure them with screws. Connect the necessary power and data cables.
- 12. Mount Rear Panel:** Mount the rear panel onto the chassis and tighten it with screws.
- 13. Install Graphics Card (GPU):** Loosen the side I/O screws and remove the PCIe slot cover and bar. Carefully install your graphics card into the PCIe x16 slot, ensuring it is fully seated. Secure the GPU with screws and connect the graphics card power cable. Reinstall the PCIe slot cover and bar.
- 14. Install Side I/O Panel:** Install the side I/O panel and secure it with screws.
- 15. Reattach Side Panels:** Mount the tempered glass side panel and the mesh side panel onto the chassis and

secure them with screws.

5. OPERATING INSTRUCTIONS

Once all components are installed and connected, ensure all external peripherals (monitor, keyboard, mouse, power cable) are properly attached. Press the power button on the front panel to start your system. The G350 case is designed for optimal airflow, but monitoring component temperatures during initial operation is recommended to ensure stable performance.

For fan control, refer to your motherboard's BIOS/UEFI settings or any fan control software provided by your motherboard manufacturer. This allows you to customize fan speeds based on temperature thresholds or desired noise levels.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and performance of your PC and the G350 case:

- **Dust Cleaning:** Periodically clean dust from the mesh panels and internal components. Use compressed air to remove dust from fans, heatsinks, and other areas. Ensure the system is powered off and unplugged before cleaning.
- **Filter Maintenance:** The mesh panels act as dust filters. Clean them regularly to maintain optimal airflow. They can be gently wiped with a damp cloth or vacuumed.
- **Cable Management Check:** Occasionally check cable routing to ensure no cables are obstructing airflow or fan operation.
- **Component Inspection:** Visually inspect fans for proper rotation and listen for unusual noises. Ensure all screws remain tight.

7. TROUBLESHOOTING

If you encounter issues with your PC build in the G350 case, consider the following general troubleshooting steps:

- **No Power:** Ensure the PSU is switched on, the power cable is securely connected to both the PSU and the wall outlet, and the front panel power switch cable is correctly connected to the motherboard.
- **No Display:** Verify that the monitor is connected to the graphics card (not the motherboard's integrated graphics, unless intended) and that the GPU is properly seated and powered. Check RAM modules are correctly installed.
- **Fans Not Spinning:** Confirm that all cooling fans are correctly connected to the motherboard or fan controller. Check fan headers in BIOS/UEFI settings.
- **Overheating:** Ensure all fans are functioning correctly and installed in the proper orientation for airflow. Clean any dust buildup on heatsinks and mesh panels. Verify CPU cooler installation.
- **Unusual Noises:** Identify the source of the noise. It could be a loose fan, a vibrating component, or a faulty hard drive. Secure any loose parts.

For specific component-related issues, consult the manuals for your motherboard, CPU, GPU, and PSU.

8. WARRANTY AND SUPPORT

The Shiny Snake G350 PC Case comes with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration. For technical support, product inquiries, or warranty

claims, please contact SHINY SNAKE customer service through their official website or the retailer where the product was purchased.