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SSUPD Meshroom D

SSUPD Meshroom D Mini-ITX SFF Case Instruction Manual

Model: Meshroom D

Brand: SSUPD

1. Introduction

This manual provides instructions for the assembly, operation, and maintenance of your SSUPD Meshroom D Mini-ITX Small Form Factor (SFF) PC case. Please read this manual thoroughly before beginning installation to ensure proper setup and optimal performance.

2. Product Features

- **Compact ITX Design:** 14.93L footprint, exclusively designed to accommodate Mini-ITX motherboards.
- **Large GPU Support:** Compatible with 3.5 slot GPUs.
- **Dual Radiator Ready:** Fully prepared for dual radiator custom loop configurations.
- **Ultra Ventilation:** Extreme fine mesh panel in 1.5mm aperture on all sides.
- **Power Supply Support:** Supports SFX/SFX-L/ATX power supply.
- **Cooling Fan Support:** Interior fits up to 3x 140mm cooling fans, along with multiple radiators.

3. Setup & Installation

The SSUPD Meshroom D case is designed for tool-free and easy accessibility. Follow these steps for component installation.

3.1. Accessing the Interior

The side panels and top panel can be easily removed for access.

Image: The SSUPD Meshroom D case with its side panel removed, revealing the internal structure and mounting points for components.

The mesh panels are flexible for easy removal and reattachment.

Your browser does not support the video tag.

Video: This video demonstrates the tool-free removal of the side panels and the flexible nature of the mesh material, highlighting the ease of access for installation.

3.2. GPU Installation

The case supports large GPUs, up to 3.5 slots.

Image: A large graphics processing unit (GPU) installed within the SSUPD Meshroom D case, demonstrating the ample space for high-performance components.

Your browser does not support the video tag.

Video: This video provides a build reference, showing the installation process of a GPU and other components within the SSUPD Meshroom D case.

3.3. Cooling System Installation

The Meshroom D supports various cooling configurations, including up to three 140mm fans and dual radiators for custom liquid cooling loops.

Image: An internal view of the SSUPD Meshroom D case, showcasing a CPU air cooler and two fans installed at the bottom for enhanced airflow.

Image: The SSUPD Meshroom D case configured with dual radiators for a custom liquid cooling setup, illustrating its advanced cooling capabilities.

4. Component Compatibility

The Meshroom D offers flexible compatibility for various PC components.

4.1. Motherboard Compatibility

- Mini ITX
- Mini DTX
- Micro-ATX (requires optional expansion bracket)

4.2. Power Supply Compatibility

- ATX
- SFX-L
- SFX

4.3. Storage Drive Support

- Up to 3 x 3.5" HDDs
- Up to 5 x 2.5" SSDs

4.4. GPU Dimensions

Refer to the specifications table for detailed GPU length and height limitations based on motherboard type and I/O configuration.

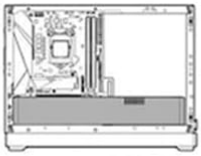
Assembly Layout	GPU slots support	with front I/O	without front I/O
 Assemble MATX MB with extender bracket	3 slots (61mm)	L325 x W140	L336 x W140
	4.6 slots (94mm)	L325 x W136	L337 x W136

Image: A diagram illustrating GPU compatibility for the SSUPD Meshroom D, detailing supported lengths and slot sizes for different configurations.

5. Maintenance

5.1. Cleaning

- Regularly clean the mesh panels to ensure optimal airflow. Use a soft brush or compressed air to remove dust.
- For deeper cleaning, panels can be removed and gently washed with water and mild soap, then thoroughly dried before reinstallation.

5.2. Component Checks

- Periodically check all internal components for secure connections and dust buildup.
- Ensure cooling fans are free from obstructions and operating correctly.

6. Troubleshooting

6.1. Overheating Issues

- Verify all fans are spinning and correctly oriented for airflow.
- Check for excessive dust buildup on mesh panels and component heatsinks.
- Ensure proper thermal paste application on the CPU cooler.

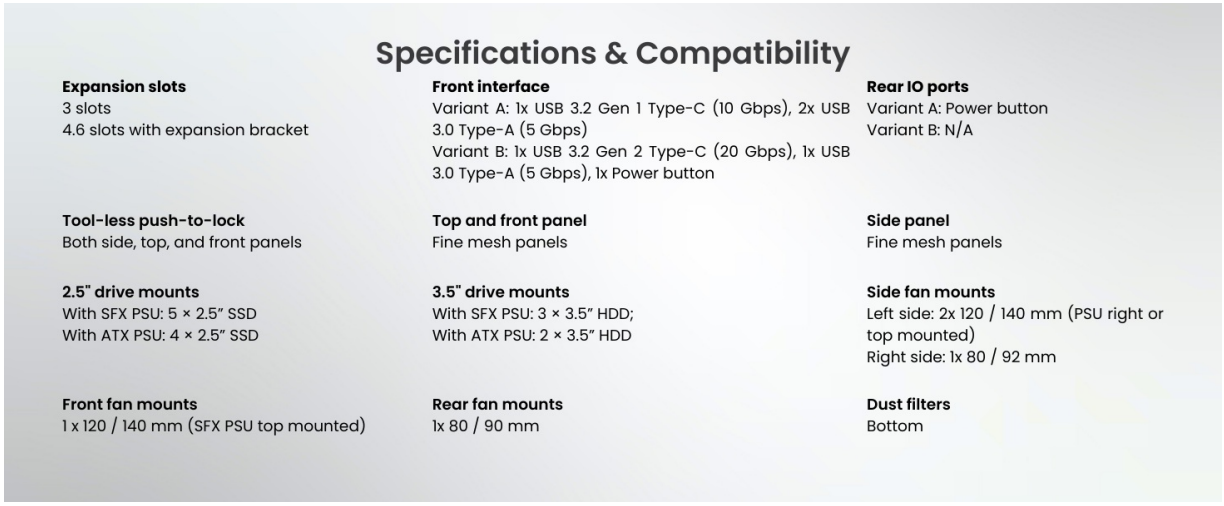
6.2. Power On Failure

- Confirm all power cables are securely connected to the motherboard, GPU, and power supply.
- Check the power button connection to the motherboard.
- Test the power supply with another system if possible.

7. Specifications

Feature	Detail
Case Dimensions (LxWxH)	17 x 7.7 x 12.4 inches
Volume	14.93 Liters
Case Material	Alloy Steel, Aluminum, Plastic, Tempered Glass
Motherboard Compatibility	Mini ITX, Mini DTX, Micro-ATX (with optional bracket)
GPU Max Length (ITX MB)	3-slot mode: 325mm length x 140mm height; 3.4-slot mode: 325mm length x 136mm height
GPU Max Length (MATX MB)	3-slot mode: 325mm length x 140mm height (with expansion bracket); 4.6-slot mode: 325mm length x 136mm height (with expansion bracket)
CPU Cooler Max Height	142mm (no side fan bracket), 138mm (with side fan bracket)
Power Supply Type	ATX, SFX-L, SFX
Power Supply Max Length	150mm (PSU left side), 140mm (PSU right side), 130mm (PSU top)
2.5" Drive Mounts	5 x 2.5" SSD (SFX PSU); 4 x 2.5" SSD (ATX PSU)
3.5" Drive Mounts	3 x 3.5" HDD (SFX PSU); 2 x 3.5" HDD (ATX PSU)
Front Interface (Variant B)	1x USB 3.2 Gen 2 Type-C (20 Gbps), 1x USB 3.0 Type-A (5 Gbps), 1x Power button
Cooling Method	Water, Air
Item Weight	6.16 pounds (2.8 Kilograms)

Feature	Detail



Specifications & Compatibility

Expansion slots
3 slots
4.6 slots with expansion bracket

Front interface
Variant A: 1x USB 3.2 Gen 1 Type-C (10 Gbps), 2x USB 3.0 Type-A (5 Gbps)
Variant B: 1x USB 3.2 Gen 2 Type-C (20 Gbps), 1x USB 3.0 Type-A (5 Gbps), 1x Power button

Rear IO ports
Variant A: Power button
Variant B: N/A

Tool-less push-to-lock
Both side, top, and front panels

Top and front panel
Fine mesh panels

Side panel
Fine mesh panels

2.5" drive mounts
With SFX PSU: 5 × 2.5" SSD
With ATX PSU: 4 × 2.5" SSD

3.5" drive mounts
With SFX PSU: 3 × 3.5" HDD;
With ATX PSU: 2 × 3.5" HDD

Side fan mounts
Left side: 2x 120 / 140 mm (PSU right or top mounted)
Right side: 1x 80 / 92 mm

Front fan mounts
1 x 120 / 140 mm (SFX PSU top mounted)

Rear fan mounts
1x 80 / 90 mm

Dust filters
Bottom

Image: A comprehensive table detailing the specifications and compatibility of the SSUPD Meshroom D case, including dimensions, component support, and cooling options.

8. Warranty and Support

For warranty information and technical support, please refer to the official SSUPD website or contact their customer service. Keep your purchase receipt for warranty claims.