

Fractal Design FD-C-MES2C-03

Fractal Design Meshify 2 Compact ATX Mid Tower Computer Case Instruction Manual

Model: FD-C-MES2C-03

1. PRODUCT OVERVIEW

The Fractal Design Meshify 2 Compact is a high-performance ATX mid-tower computer case designed for optimal airflow and flexible component installation. It features a distinctive angular mesh front panel, a tinted tempered glass side panel, and a fully removable top panel for easy access. This case is engineered to provide excellent cooling capabilities and efficient space utilization for a wide range of PC builds.



Image: Angled front view of the Fractal Design Meshify 2 Compact Black ATX case, showcasing the mesh front panel and tinted tempered glass side panel.

2. KEY FEATURES

- **Iconic Angular Mesh Front:** Provides filtered airflow with a bold, stealth-inspired aesthetic.

- **Flexible GPU Support:** Accommodates GPUs up to 360 mm with a 240 mm radiator in the top, or up to 360/280 mm front radiators with GPUs under 305 mm.
- **Extensive Fan Support:** Install up to 7x 120 mm or 4x 140 mm fans (1x 120 mm and 2x 140 mm Dynamic X2 fans included).
- **Space-Efficient ATX Form-Factor:** Offers the performance and capacity of much larger cases in a compact mid-tower size.
- **Open Interior Layout:** Creates a smooth airflow path from front intake to rear exhaust.
- **Removable Top Panel:** Fully removable top panel grants excellent interior access for easy installation and maintenance.
- **Front I/O:** Includes a front USB 3.1 Type-C port, 2x USB 3.0 ports, and audio jacks.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Fractal Design
Model Name	FD-C-MES2C-03
Case Type	Mid Tower
Motherboard Compatibility	Micro ATX, ATX (up to 272mm width)
Material	Tempered Glass, Steel
Color	Black TG Light Tint
Item Weight	17.82 pounds
Product Dimensions (LxWxH)	21.6 x 21.2 x 13 inches
Front I/O Ports	2x USB 3.0, 1x USB 3.1 Type-C, Audio In/Out
Cooling Method	Air
Included Fans	1x 120mm (rear), 2x 140mm (front) Dynamic X2 fans
Max GPU Length	360 mm (with front fan/radiator)
Max CPU Cooler Height	169 mm
Power Supply Mounting Type	Rear Mount

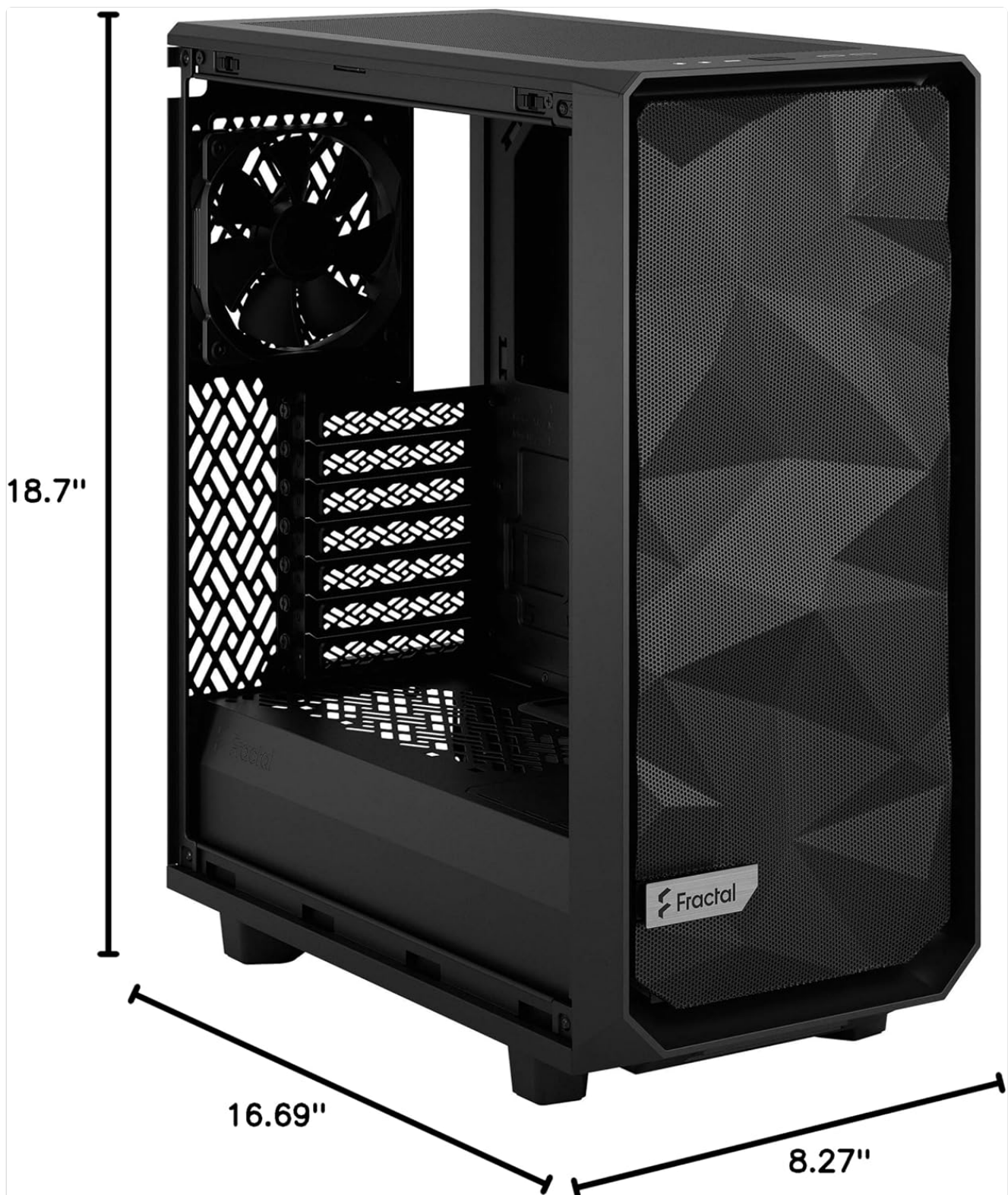


Image: Detailed dimensions of the Fractal Design Meshify 2 Compact case, showing height, width, and depth measurements.

4. SETUP AND INSTALLATION

4.1. Accessing the Interior

1. **Remove Side Panels:** The tempered glass side panel and the solid steel side panel can be easily removed by pulling them away from the chassis. They are secured with a tool-less mechanism.
2. **Remove Top Panel:** The top panel is fully removable. Locate the release mechanism at the rear of the top panel, activate it, and lift the panel away. This provides excellent access to the interior for component installation.

3. **Remove Front Panel:** The front mesh panel can be detached for access to front fan mounts and cleaning. Gently pull from the bottom edge to release it.



Image: Exploded view of the Fractal Design Meshify 2 Compact case, illustrating the removable side panels, top panel, and front mesh panel.

4.2. Motherboard Installation

The case supports Micro ATX and ATX motherboards. Ensure standoffs are correctly aligned with your motherboard's mounting holes before securing it with screws.

4.3. GPU and Expansion Card Installation

Install your graphics card and other expansion cards into the PCIe slots. The case offers ample space for large GPUs. Ensure proper clearance, especially if installing front or top radiators.

4.4. Storage Drive Installation

The Meshify 2 Compact provides versatile storage options. Utilize the dedicated mounting points for 2.5" SSDs and 3.5" HDDs. Refer to the internal layout for specific locations and mounting procedures.

4.5. Power Supply Installation

Mount your ATX power supply at the rear bottom of the case. Route necessary cables through the grommets and cable management channels for a clean build.

5. OPERATING YOUR SYSTEM

5.1. Airflow Configuration

The Meshify 2 Compact is designed for high airflow. The angular mesh front and open interior layout facilitate a direct path for air movement. The pre-installed fans are configured for optimal out-of-the-box performance (2x 140mm intake at front, 1x 120mm exhaust at rear).





Image: Front view of the Fractal Design Meshify 2 Compact case, highlighting the high-airflow mesh design.

5.2. Front I/O Panel Usage

The top-mounted front I/O panel provides convenient access to:

- **Power Button:** To power on/off your system.
- **USB 3.0 Ports (x2):** For connecting USB 3.0 devices.
- **USB 3.1 Type-C Port (x1):** For high-speed USB-C connectivity.
- **Audio Jacks:** For headphones and microphone.



Image: Close-up of the top I/O panel on the Fractal Design Meshify 2 Compact, showing the power button, USB ports, and audio jacks.

6. MAINTENANCE

6.1. Dust Filter Cleaning

Regular cleaning of dust filters is crucial for maintaining optimal airflow and component longevity. The Meshify 2 Compact features easily removable dust filters:

- **Front Filter:** The front mesh panel acts as a filter and can be easily detached for cleaning.
- **Top Filter:** The top panel's mesh also serves as a filter and is removable.
- **Bottom Filter:** A full-length bottom filter protects the PSU and optional bottom fans. This filter slides out from

the front for easy access.

To clean, simply remove the filters, gently brush off accumulated dust, or rinse with water if heavily soiled. Ensure filters are completely dry before re-installing.



Image: Top panel of the Fractal Design Meshify 2 Compact removed, showing the underlying fan mounts and mesh filter.

7. TROUBLESHOOTING

- **System Not Powering On:**

- Check all power connections to the motherboard, CPU, and GPU.
- Ensure the power supply switch is in the "On" position.
- Verify front panel header connections to the motherboard are correct.

- **Poor Airflow/High Temperatures:**

- Clean all dust filters (front, top, bottom).
- Ensure fans are correctly oriented for optimal airflow (intake at front/bottom, exhaust at rear/top).
- Check for any obstructions to airflow inside the case.

- **Loose Side Panels:**

- Ensure side panels are properly aligned and fully seated into their respective grooves.
- For the tempered glass panel, ensure the retaining clips are engaged.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please visit the official Fractal Design website or contact their customer service directly. Keep your proof of purchase for warranty claims.

Official Website: www.fractal-design.com