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› Mechanic Master C28 Ultra-Compact MATX PC Case Instruction Manual

MECHANIC MASTER C28

Mechanic Master C28 Ultra-Compact MATX PC Case Instruction Manual

Model: C28

1. INTRODUCTION

This manual provides detailed instructions for the assembly, installation, and maintenance of your Mechanic Master C28 Ultra-Compact MATX PC Case. Please read this manual thoroughly before beginning any installation to ensure proper setup and optimal performance.



Figure 1: Mechanic Master C28 PC Case (Vitality Yellow)

The Mechanic Master C28 is an ultra-compact PC case designed for Micro-ATX and Mini-ITX motherboards, featuring a portable handle and optimized airflow for efficient cooling in a small form factor.

2. SPECIFICATIONS

Feature	Detail
Model Name	C28
Case Volume	17.9 Liters
Motherboard Compatibility	Micro-ATX, Mini-ITX

GPU Length Support	Up to 335mm
CPU Cooler Height Support	162mm (Air Cooler)
AIO Radiator Support	240mm (RAM height ≤44mm)
Power Supply Compatibility	ATX (14cm), SFX, SFX-L
Material	Alloy Steel, Aluminum, Tempered Glass
Dimensions (LxWxH)	342 x 185 x 284 mm (excluding foot pad)
Net Weight	3.5 kg (7.7 lbs)
Front I/O Ports	1x USB 3.0, 1x Type-C, 1x Aluminum Alloy Switch



Figure 2: Case Dimensions (Length x Width x Height)

The image illustrates the compact dimensions of the C28 case, highlighting its length of 13.4 inches, width of 7.3 inches, and height of 11.2 inches.

3. SETUP AND COMPONENT INSTALLATION

The C28 case features a modular design for flexible component installation. Please follow these general guidelines for setting up your system.

3.1 Disassembly

The case features a double shell structure and multi-faceted detachable panels. Carefully remove the side panels and top panel by unscrewing the designated fasteners. Note the use of countersunk screws for secure assembly.



In order to compress the volume and be portable, the case must provide sufficient firmness, so we have customized **countersunk screws** with twice the strength of ordinary screws to fix the shell, and equipped it with a **dedicated screwdriver**

Pros

Secure Handheld

Numerous screws

Cons



Figure 3: Disassembled Case Components

This image shows the Mechanic Master C28 case disassembled, illustrating the various panels and internal frame components, including the top handle and mesh panels.

3.2 Motherboard Installation

1. Install the CPU, CPU cooler (if air cooler), and RAM onto your Micro-ATX or Mini-ITX motherboard before placing it into the case.
2. Carefully align the motherboard with the standoffs inside the case.
3. Secure the motherboard with the provided screws.

3.3 Power Supply Installation

The C28 supports ATX (up to 14cm length), SFX, and SFX-L power supplies. The power supply can be mounted in different configurations to accommodate various component layouts.

PERFECT COMPATIBILITY

MATX+ATX+162mm Air cooler

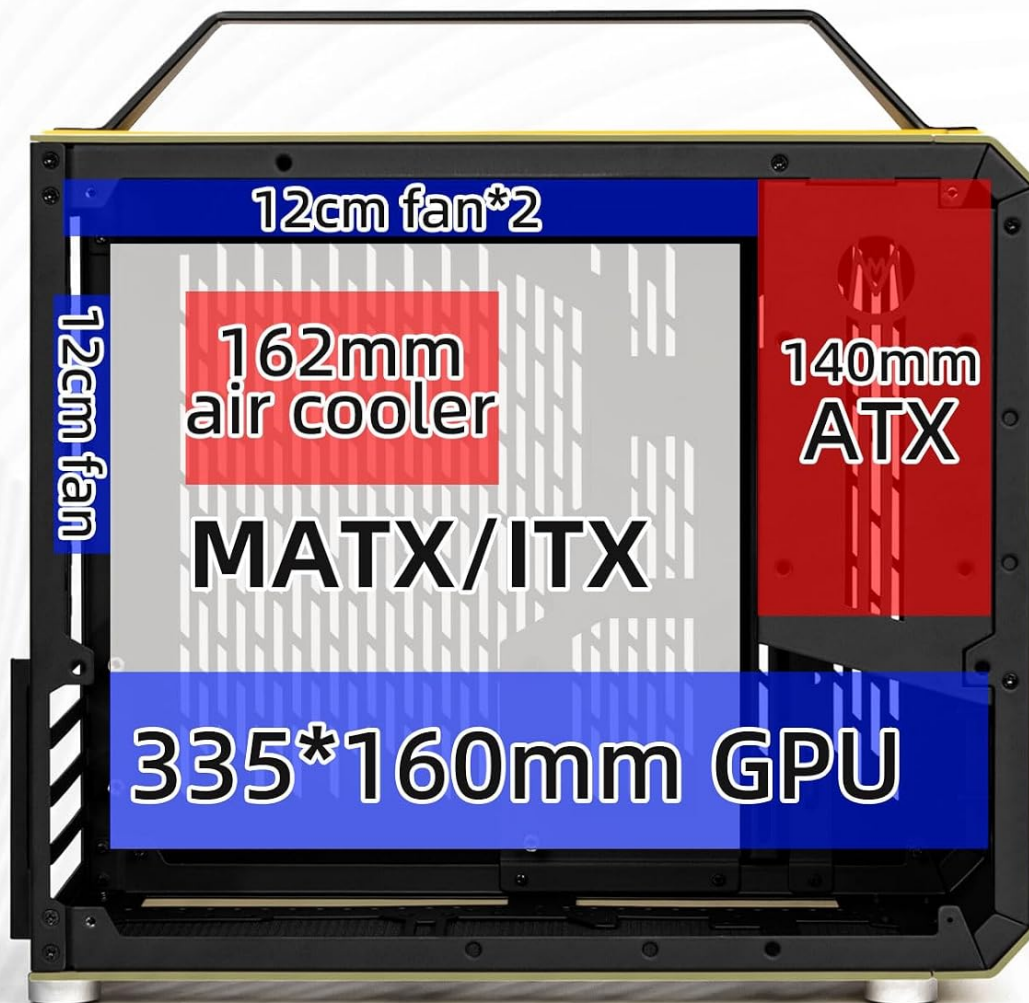


Figure 4: ATX PSU and Air Cooler Configuration

This diagram illustrates the internal layout when using an ATX power supply and a 162mm air cooler, showing compatibility with MATX/ITX motherboards and GPUs up to 335x160mm.

PERFECT COMPATIBILITY

MATX+SFX+240AIO

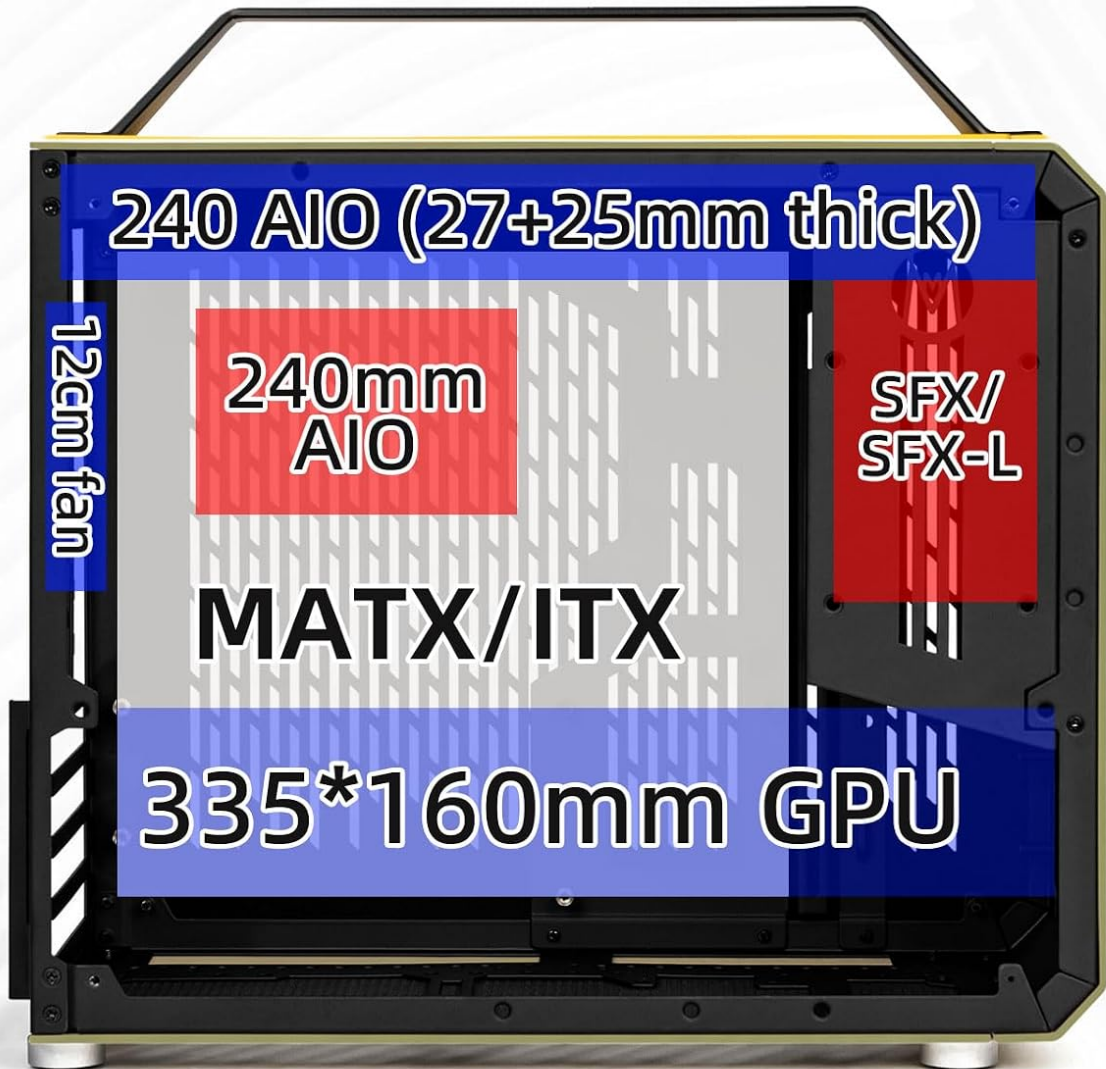


Figure 5: SFX PSU and 240 AIO Configuration

This diagram shows the internal layout when using an SFX/SFX-L power supply and a 240mm AIO cooler, also compatible with MATX/ITX motherboards and GPUs up to 335x160mm.

3.4 Graphics Card Installation

Install your graphics card (GPU) into the appropriate PCIe slot on the motherboard. The case supports GPUs up to 335mm in length.

3.5 Cooling System Installation

The C28 offers versatile cooling options:

- **Air Cooling:** Supports CPU air coolers up to 162mm in height.
- **Liquid Cooling:** Supports 240mm All-In-One (AIO) liquid coolers. Ensure RAM height is ≤ 44 mm when using a 240mm AIO.

- **Fan Support:** The case features mesh panels and a dual-chamber layout for optimized airflow. Additional fan mounting points are available for enhanced cooling.



Figure 6: Vertical Airflow Channel

This image illustrates the vertical airflow channel design of the C28 case, showing how air is drawn in from the bottom and side, and exhausted through the top and rear for efficient heat dissipation.

3.6 Cable Management

Utilize the dedicated cable routing channels and tie-down points behind the motherboard tray to manage cables effectively. This improves airflow and maintains a clean internal aesthetic.

4. OPERATING INSTRUCTIONS

Once all components are securely installed and cables are managed, reattach all panels. Connect your peripherals and power cable, then press the power button on the front I/O panel to start your system.

4.1 Front I/O Panel

The front I/O panel provides convenient access to essential ports:

- 1x USB 3.0 Port
- 1x Type-C Port
- 1x Aluminum Alloy Power Switch

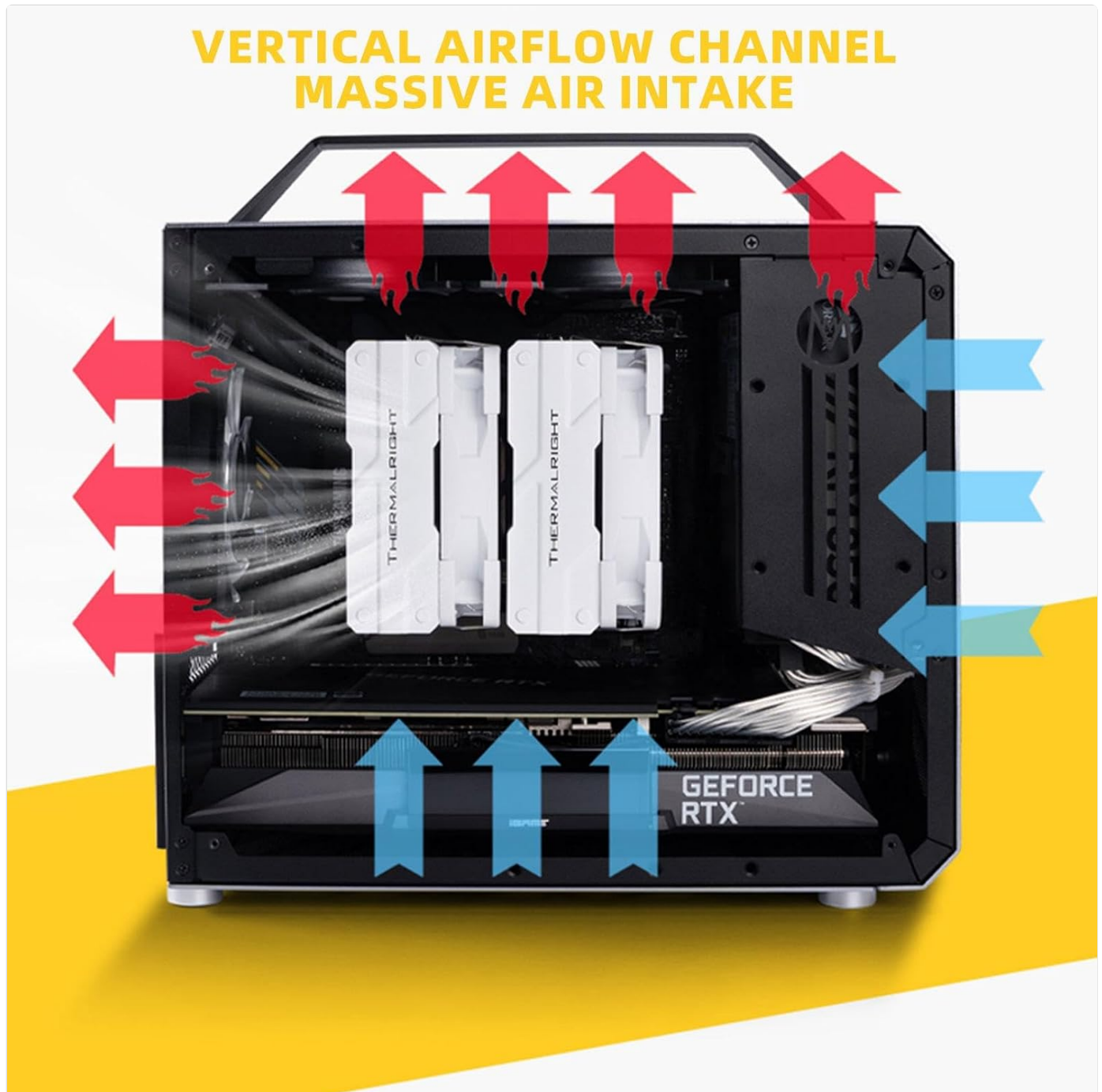


Figure 7: Front I/O Panel

This image details the front input/output panel of the C28 case, showing the USB 3.0 port, Type-C port, and the aluminum alloy power switch for easy access.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your PC case and components.

- **Dust Cleaning:** Periodically clean dust filters and internal components using compressed air or a soft brush. Dust accumulation can impede airflow and lead to overheating.
- **Cable Check:** Ensure all cables are securely connected and not obstructing airflow.
- **Panel Security:** Verify that all panels are securely fastened to prevent vibration and maintain structural integrity.

6. TROUBLESHOOTING

If you encounter issues with your PC build, consider the following common troubleshooting steps:

- **No Power:**
 - Check if the power supply is properly connected to the wall outlet and the motherboard.
 - Ensure the power supply switch is in the "ON" position.
 - Verify front panel power switch connections to the motherboard.
- **Overheating:**
 - Ensure all case fans and CPU/GPU coolers are functioning correctly.
 - Clean any accumulated dust from filters and heatsinks.
 - Verify proper airflow direction (intake/exhaust).
- **Component Fit Issues:**
 - Refer to the specifications section for maximum component dimensions (GPU length, CPU cooler height, AIO size).
 - Ensure proper power supply type (ATX, SFX, SFX-L) is used for the chosen configuration.

7. PRODUCT VIDEOS

The following videos provide visual guidance and demonstrations related to the Mechanic Master C28 PC case.

7.1 Mechanic Master Cool Cube Series C28 Overview

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This video provides a comprehensive overview of the Mechanic Master Cool Cube Series C28 PC case, showcasing its design, features, and internal layout. It highlights the compact size and various component compatibility options.

7.2 C28 Product Display

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This video offers a detailed product display of the C28 case, focusing on its aesthetic features, build quality, and the integration of various PC components within its compact frame.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MECHANIC MASTER website or contact your retailer. Keep your proof of purchase for warranty claims.

Protection plans are available for extended coverage:

- 3-Year Protection Plan
- 4-Year Protection Plan

- Complete Protect: One plan covers all eligible past and future purchases (monthly billing)