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Montech AIR 903 MAX E-ATX Mid Tower Case Instruction Manual

Model: AIR 903 MAX | Brand: Montech

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Montech AIR 903 MAX E-ATX Mid Tower Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and safe usage. Retain this manual for future reference.



Figure 1.1: Montech AIR 903 MAX Mid Tower Case (Black)

2. SAFETY INFORMATION

- Always disconnect the power supply from the wall outlet before installing or removing any components.
- Handle components with care to avoid damage from electrostatic discharge (ESD). Consider using an anti-static wrist strap.
- Keep small parts and screws away from children.
- Avoid placing the case in direct sunlight or near heat sources.
- Ensure proper ventilation around the case to prevent overheating.
- Do not attempt to modify the case or its components, as this may void your warranty and pose safety risks.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Montech AIR 903 MAX E-ATX Mid Tower Case
- 3 x 140mm ARGB PWM Fans (pre-installed in front)
- 1 x 140mm PWM Fan (pre-installed in rear)
- Accessory Box (containing screws, zip ties, and other small parts)
- User Manual (this document)

4. PRODUCT OVERVIEW

The Montech AIR 903 MAX is an E-ATX mid-tower case designed for high airflow and extensive component compatibility. It features a mesh front panel for optimal ventilation and a tempered glass side panel to showcase your build.

Key Features:

- **High Airflow Design:** Metal front panel with 51% ventilation rate for superior thermal performance.
- **Dust Filtration:** Meticulously designed mesh front panel acts as a dust filter and is easily removable for cleaning.
- **Pre-installed Fans:** Includes three 140mm ARGB PWM fans and one 140mm PWM fan for effective cooling and customizable lighting.
- **Extensive Cooling Support:** Supports up to 360mm AIO liquid coolers at both the front and top.
- **Component Clearance:** Accommodates CPU tower coolers up to 180mm in height and graphics cards up to 400mm in length and 190mm in width.
- **Modern Connectivity:** Features a front panel Type-C port.



Figure 4.1: Front View with Mesh Panel and ARGB Fans

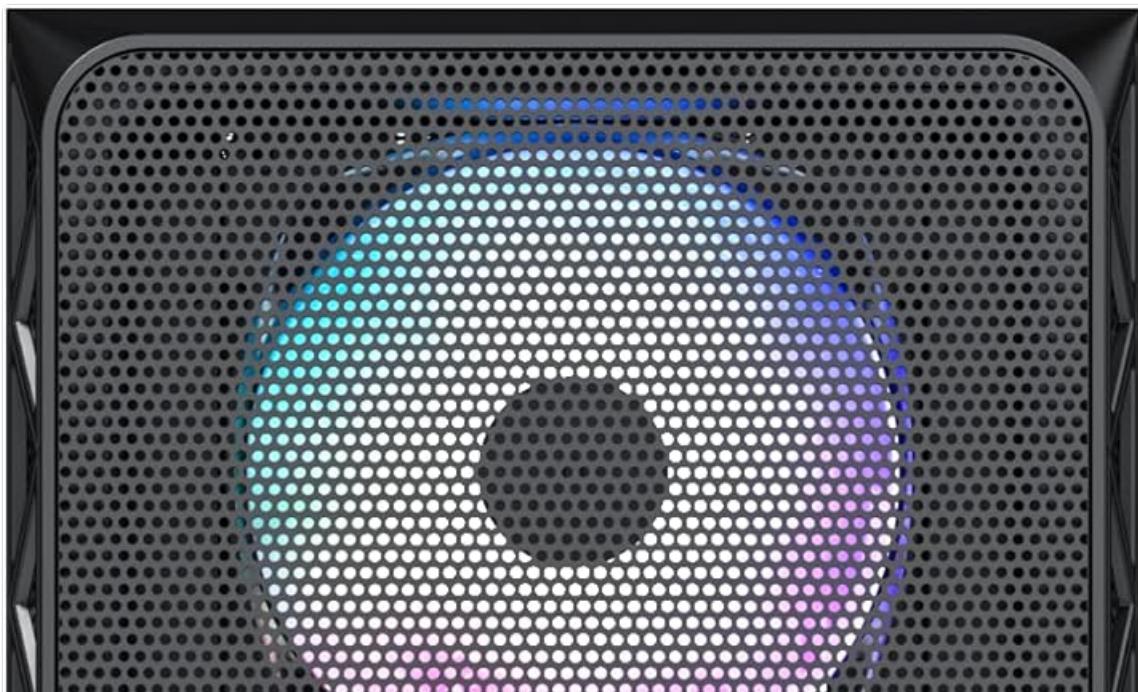




Figure 4.2: Tempered Glass Side Panel View

5. SETUP AND INSTALLATION

Before starting, ensure you have a clean, well-lit workspace and the necessary tools (e.g., screwdrivers, zip ties).

5.1 Removing Side Panels

1. Locate the captive thumb screws on the rear of the case for both the tempered glass side panel and the solid steel side panel.
2. Unscrew the thumb screws.
3. Carefully slide the panels backward and lift them off. Place the tempered glass panel on a soft, flat surface to prevent scratches or damage.

5.2 Motherboard Installation

The AIR 903 MAX supports E-ATX, ATX, Micro ATX, and Mini ITX motherboards.

1. Install the I/O shield into the rear opening of the case.
2. Align your motherboard with the pre-installed standoffs. Ensure the standoffs match your motherboard's form factor.
3. Secure the motherboard with the appropriate screws provided in the accessory box.



Figure 5.1: Motherboard Compatibility Diagram

5.3 Graphics Card (GPU) Installation

The case supports graphics cards up to 400mm in length and 190mm in width.

1. Remove the necessary expansion slot covers from the rear of the case. These are secured with thumb screws.
2. Insert your graphics card into the appropriate PCIe slot on your motherboard.
3. Secure the graphics card to the case using the thumb screws.
4. Connect any required PCIe power cables from your power supply to the graphics card.

5.4 Storage Drive Installation (HDD/SSD)

The case includes an HDD cage in the power supply shroud area, which can be removed using thumb screws for easier access or more space.

- Locate the drive bays or mounting points for 2.5" SSDs and 3.5" HDDs.
- Mount your drives using the provided screws.
- Connect SATA data and power cables to your drives.

5.5 Power Supply Unit (PSU) Installation

The PSU mounts at the rear bottom of the case.

1. Slide your PSU into the designated compartment from the rear of the case.
2. Align the PSU with the screw holes and secure it with the provided screws.
3. Connect the main ATX power cable, CPU power cable, and any other necessary power cables to your motherboard and components.

5.6 Fan and Cooling System Installation

The case supports 360mm AIO coolers at the front and top, and CPU tower coolers up to 180mm in height.

- **AIO Liquid Coolers:** Mount radiators and fans to the front or top fan mounts as per your AIO cooler's instructions.
- **Additional Fans:** If installing additional fans, ensure correct airflow direction (intake/exhaust).
- **CPU Air Coolers:** Install your CPU air cooler onto the motherboard before or after motherboard installation, depending on the cooler design.



Figure 5.2: Component Clearance Diagram

5.7 Cable Management

Utilize the cable routing cutouts and velcro straps behind the motherboard tray to organize cables. This improves airflow and aesthetics.

- Route cables through the designated grommets and tie-down points.
- Use the included zip ties and pre-installed velcro straps to secure cables neatly.
- Ensure the SATA cable for the fan hub is connected to your PSU.

6. OPERATION

6.1 Powering On

After all components are installed and cables are connected, replace the side panels. Connect your monitor, keyboard, mouse, and power cable to the PSU. Flip the PSU switch to the ON position and press the power button on the top I/O panel of the case.

6.2 ARGB Fan Control

The pre-installed ARGB fans can be controlled via the integrated LED/PWM controller or synchronized with your motherboard's ARGB software (if supported). Refer to your motherboard manual for ARGB header connection and software instructions.

- If using the case's controller, cycle through lighting effects using the dedicated button on the top I/O panel.
- If connecting to a motherboard, ensure the ARGB cable from the fan hub is connected to a compatible 3-pin 5V ARGB header on your motherboard.

7. MAINTENANCE

7.1 Cleaning Dust Filters

The mesh front panel and magnetic top dust filter are designed to prevent dust accumulation. Regular cleaning

is recommended to maintain optimal airflow.

1. **Front Mesh Panel:** The front panel can be easily dismantled. Gently pull the bottom of the front panel to detach it from the case. Clean the mesh with a soft brush or compressed air.
2. **Top Magnetic Filter:** Simply lift the magnetic filter from the top of the case and clean it with water or compressed air. Ensure it is completely dry before reattaching.
3. **Bottom PSU Filter:** Slide out the filter located under the power supply shroud and clean it.



Figure 7.1: Removable Front Mesh Panel for Cleaning

7.2 General Cleaning

- Use a soft, damp cloth to wipe down exterior surfaces. Avoid abrasive cleaners.
- For interior cleaning, use compressed air to remove dust from components and internal surfaces.

8. TROUBLESHOOTING

8.1 System Does Not Power On

- Ensure the power cable is securely connected to both the PSU and the wall outlet.
- Verify the PSU switch is in the ON position.
- Check all internal power connections (24-pin ATX, 8-pin CPU, PCIe power, SATA power for fan hub).
- Confirm the front panel power button cable is correctly connected to the motherboard's front panel header.

8.2 Fans Not Spinning or RGB Not Working

- Ensure the fan hub's SATA power cable is connected to your PSU.
- If using motherboard ARGB control, verify the 3-pin 5V ARGB cable from the fan hub is connected to the correct header on your motherboard.
- If using the case's controller, press the RGB button on the top I/O panel to cycle through modes.
- Check fan connections to the fan hub.

8.3 Excessive Fan Noise

- Ensure all fan screws are tightened to prevent vibrations.
- Clean dust from fans and filters (refer to Section 7.1).
- If fans are connected to the motherboard, adjust fan curves in your motherboard's BIOS/UEFI or software to reduce fan speed at lower temperatures.

9. SPECIFICATIONS

Feature	Specification
Brand	Montech
Model Name	AIR 903 MAX BLACK
Case Type	Mid Tower
Motherboard Compatibility	Extended ATX, Mini ITX, Micro ATX, ATX
Material	Tempered Glass, Metal
Color	Black
Product Dimensions (LxWxH)	18.82 x 9.05 x 19.41 inches (47.8 x 22.99 x 49.3 cm)
Item Weight	20.3 pounds (9.21 kg)
Pre-installed Fans	3x 140mm ARGB PWM (Front), 1x 140mm PWM (Rear)
GPU Clearance	Up to 400mm (Length), 190mm (Width)
CPU Cooler Height Clearance	Up to 180mm
AIO Radiator Support	Up to 360mm (Front & Top)
Front I/O Ports	2x USB 3.0, 2x USB 2.0, 1x USB Type-C, Audio In/Out

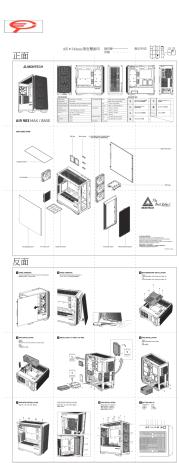
10. WARRANTY AND SUPPORT

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

Official Montech Website: www.montechpc.com

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Related Documents - AIR 903 MAX



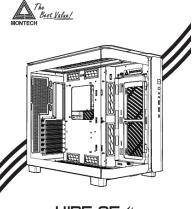
[Montech Air 903 MAX / BASE PC Case Installation Guide](#)

Detailed installation guide and specifications for the Montech Air 903 MAX and Air 903 BASE PC cases, covering component installation and features. Learn how to build your PC with Montech.



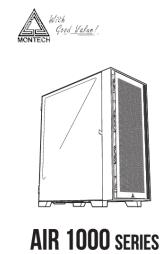
[Thermaltake Core P3 TG Pro User Manual and Installation Guide](#)

Comprehensive user manual and installation guide for the Thermaltake Core P3 TG Pro ATX Mid Tower computer case. Features include tempered glass side panel, extensive cooling support, and versatile drive bay configurations. Learn how to install components, manage cables, and mount your system.



[Montech KING 95 PC Case User Manual and Specifications](#)

Detailed specifications, component breakdown, and installation guides for the Montech KING 95 and KING 95 PRO PC cases. Learn about fan and radiator support, drive bay configurations, I/O interfaces, and cable management.



AIR 1000 SERIES

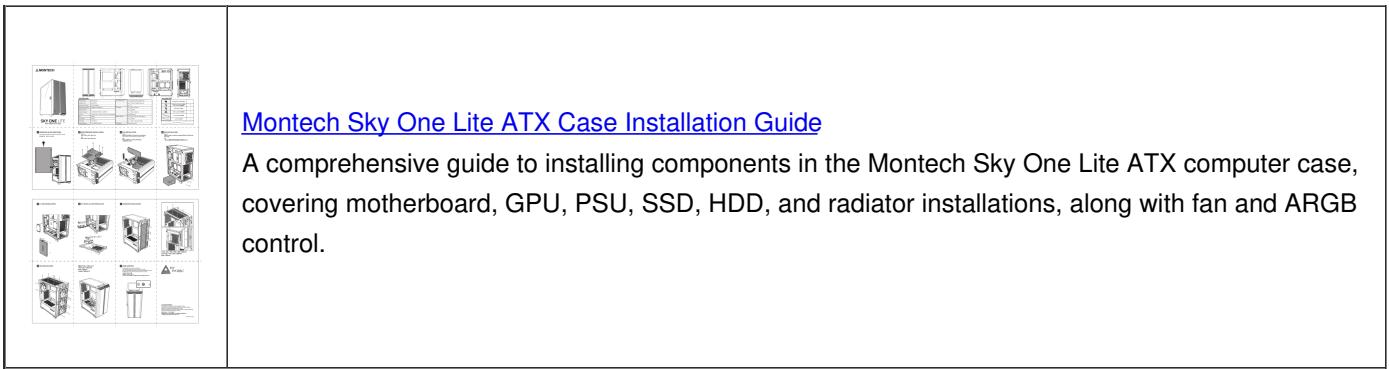
[Montech AIR 1000 Series PC Case: Specifications and Installation Guide](#)

Comprehensive specifications, features, and installation guidance for the Montech AIR 1000 Series PC case, detailing component compatibility, cooling support, and accessory contents.

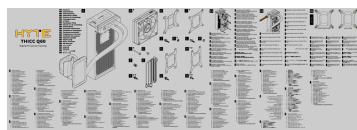


[Thermaltake View 270 TG ARGB Mid Tower Chassis User Manual](#)

Comprehensive user manual for the Thermaltake View 270 TG ARGB Mid Tower Chassis, providing detailed specifications, accessory lists, installation guides for components like PSU, motherboard, HDDs, VGA cards, and cooling solutions, along with I/O connections and ARGB control instructions. Optimize your PC build with this essential guide.



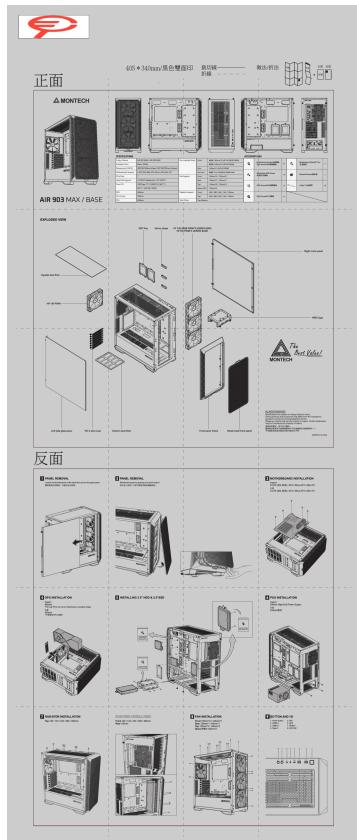
Documents - Montech – AIR 903 MAX



[HYTE THICC Q60 AIO Cooler Case Compatibility Guide](#)

Comprehensive compatibility chart for the HYTE THICC Q60 280mm All-In-One (AIO) liquid cooler, detailing support for various PC cases across front, side, and top mounting configurations.

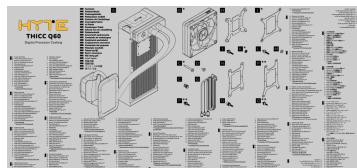
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[Montech Air 903 MAX / BASE PC Case Installation Guide](#)

Detailed installation guide and specifications for the Montech Air 903 MAX and Air 903 BASE PC cases, covering component installation and features. Learn how to build your PC with Montech.

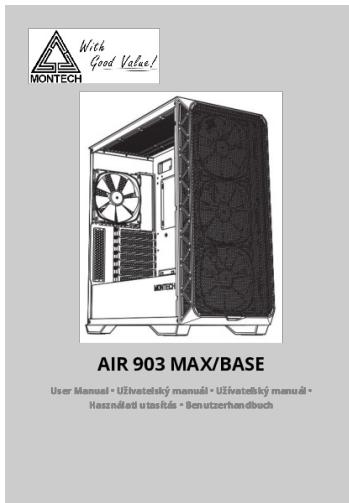
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[HYTE THICC Q60 PC Cooler Case Compatibility Guide](#)

Comprehensive compatibility list for the HYTE THICC Q60 All-in-One (AIO) liquid cooler, detailing support for various PC cases in front/side and top mounting configurations.

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[\[pdf\]](#) User Manual Dimension Guide

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AIR 903 MAX/BASE User Manual Uzivatelsk manu Uzvatesk manu Hasznlati utasts Benutzerhandbuch **AIR 903 MAX** / AIR 903 BASE EN Available Colours Dimensions L*W*H Motherboard Support PCIe Slots Hard Disk Support Front I/O GPU CPU Onboard RGB Pre-installed fans Fan Connect Radiator support Dust

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HYTE THICC Q80 Trio CPU Cooler Case Compatibility Chart

Comprehensive compatibility list for the HYTE THICC Q80 Trio CPU cooler, detailing case support for front/side and top mounting configurations across various PC case manufacturers.

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HYTE THICC Q60 Case Compatibility Chart

A comprehensive compatibility chart for the HYTE THICC Q60 liquid cooler, detailing its fitment with a wide range of PC cases for front/side and top mounting configurations. Includes compatibility notes for GPU clearance and USB headers.

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Comprehensive price list from TechDeals Pte Ltd in Singapore, featuring a wide range of computer components including CPUs, motherboards, graphic cards, RAM, SSDs, power supplies, and PC packages. Also includes peripherals like monitors, keyboards, mice, networking equipment, and storage solutions.

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