

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Cooler Master](#) /
- › [Cooler Master QUBE 500 Flatpack PC Mid-Tower Instruction Manual](#)

Cooler Master Q500-KGNN-S00

Cooler Master QUBE 500 Flatpack PC Mid-Tower Instruction Manual

Comprehensive guide for assembly, operation, and maintenance of your Cooler Master QUBE 500 Flatpack PC Mid-Tower.

INTRODUCTION

The Cooler Master QUBE 500 Flatpack is a highly customizable ATX PC Mid-Tower designed for a flexible and enjoyable build experience. Its innovative flatpack design reduces environmental impact during transportation. This manual provides essential information for assembling, operating, and maintaining your QUBE 500.

Key features include:

- **DIY For Everyone:** An efficient and eco-friendly flatpack design suitable for both beginners and experienced builders.
- **Build As You Unbox:** Step-by-step instructions for a straightforward assembly process.
- **Highly Customizable:** Unparalleled customization options to express personal creativity.
- **Fully Modular:** Individually removable panels for simplified case preparation and maintenance.
- **Full-Sized Specs, Pint-Sized Body:** Compact 33L size accommodating EATX motherboards, modern GPUs, and dual 280mm radiators.

PRODUCT OVERVIEW

The QUBE 500 Flatpack offers a unique approach to PC case design, emphasizing modularity and ease of assembly. Below is an overview of its key components and design elements.



Figure 1: Front-side view of the Cooler Master QUBE 500 Flatpack PC Mid-Tower in Black.



Figure 2: Exploded view illustrating the modular components of the QUBE 500 Flatpack case.

SETUP AND ASSEMBLY

The QUBE 500 is designed for a straightforward assembly process, starting right from unboxing. The case panels are modular and can be individually removed to simplify component installation.

Modular Design



Figure 3: Illustration of the fully modular panels, highlighting ease of removal for assembly and maintenance.

The case features modular panels that can be easily detached, allowing for convenient access during component installation. This design simplifies the process of mounting motherboards, power supplies, and other hardware.

Component Installation Guide

For a detailed visual guide on assembling your PC within the Cooler Master QUBE 500, please refer to the official build video below. This video demonstrates the installation of various components including the motherboard, CPU, RAM, and power supply.

Your browser does not support the video tag.

Video 1: Official Cooler Master build guide for a similar case, demonstrating component installation steps.

The QUBE 500 supports a wide range of components. Ensure your components fit within the specified clearances:

- **CPU Coolers:** Up to 164mm
- **GPUs:** Up to 365mm
- **PSUs:** Up to 332mm (ATX power supplies are supported)

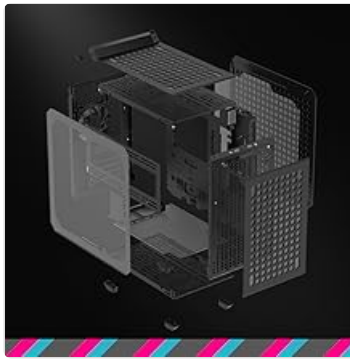


Figure 4: Diagram illustrating maximum component clearances for CPU coolers, GPUs, and PSUs within the QUBE 500.

OPERATING YOUR PC CASE

Once assembled, the Cooler Master QUBE 500 provides a robust and efficient housing for your PC components. Proper airflow and connectivity are key to optimal performance.

Front I/O Panel

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

- **USB 3.2 Gen 2x2 Type-C Port:** For high-speed data transfer.
- **USB 3.0 Ports:** For connecting various peripherals.
- **Audio Jacks:** For headphones and microphones.
- **Power Button:** To power on/off your system.



Figure 5: Close-up of the front I/O panel, showing USB-C, USB-A, and audio ports.

Airflow and Cooling

The QUBE 500 is designed for high airflow to keep components cool. It supports versatile cooling configurations:

- **Fan Locations:** Up to 9 fans can be installed.
- **Radiator Support:** Dual 280mm radiators can be accommodated.

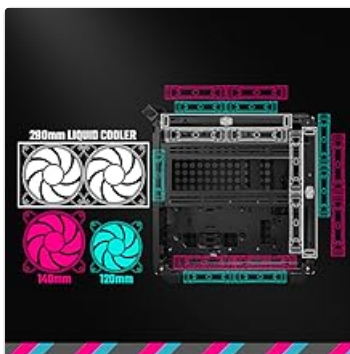


Figure 6: Diagram illustrating the versatile cooling options, including fan and radiator placements.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your PC. The modular design of the QUBE 500 simplifies cleaning and component access.

Dust Filter Cleaning

1. Gently pull the mesh panels from the front and top of the case to detach them.
2. The bottom filter is magnetic and can be easily lifted off.
3. Clean the filters using compressed air or a soft brush to remove accumulated dust.
4. Reattach the filters by aligning them and pressing gently until they snap into place (for top/front) or magnetically secure (for bottom).

Regular cleaning (e.g., every 3-4 months, depending on environment) is recommended to maintain optimal airflow and prevent dust buildup on internal components.

TROUBLESHOOTING

This section addresses common issues you might encounter with your PC case.

Poor Airflow or High Temperatures

- **Check Fan Orientation:** Ensure fans are correctly oriented for intake and exhaust to create a positive or neutral pressure airflow.
- **Clean Dust Filters:** Refer to the Maintenance section for instructions on cleaning dust filters. Clogged filters restrict airflow.
- **Verify Component Clearance:** Ensure large components like GPUs or CPU coolers are not obstructing airflow pathways.
- **Cable Management:** Poor cable management can impede airflow. Organize cables to allow for unobstructed air movement.

Front I/O Ports Not Functioning

- **Check Motherboard Connections:** Ensure all front I/O cables (USB, audio, power switch) are securely connected to the correct headers on your motherboard.
- **Driver Installation:** For USB 3.0/3.2 ports, ensure the necessary motherboard drivers are installed.

SPECIFICATIONS

Cooler Master QUBE 500 Flatpack Black - Key Specifications

Feature	Detail
Brand	Cooler Master
Model Name	QUBE 500 Flatpack Black
Item Model Number	Q500-KGNN-S00
Case Type	Mid Tower
Motherboard Compatibility	Extended ATX

Feature	Detail
Material	Tempered Glass
Item Weight	17.19 pounds
Product Dimensions (LxWxH)	18.11 x 9.09 x 16.33 inches
Number of USB 3.0 Ports	2
Cooling Method	Air, Water
Max CPU Cooler Height	164mm
Max GPU Length	365mm
Max PSU Length	332mm

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance with your Cooler Master QUBE 500 Flatpack PC Mid-Tower, please visit the official Cooler Master website or contact their customer service department. Specific warranty terms and conditions may vary by region and retailer.

Official Cooler Master Website: www.coolermaster.com