

be quiet! Pure Base 501 Airflow Window

be quiet! Pure Base 501 Airflow Window Black ATX Mid-Tower PC Case

Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your be quiet! Pure Base 501 Airflow Window Black ATX Mid-Tower PC Case. Designed for optimal cooling and quiet operation, this case supports a wide range of components and offers a clean, stylish aesthetic with its tempered glass side panel and mesh front.

2. SAFETY INFORMATION

- Always disconnect the power supply from the wall outlet before performing any installation or maintenance inside the PC case.
- Handle components with care to avoid damage from electrostatic discharge. Consider using an anti-static wrist strap.
- Be cautious of sharp edges inside the case.
- Do not obstruct ventilation openings. Ensure adequate airflow around the case.
- Keep the case away from direct sunlight, heat sources, and liquids.
- This product is intended for indoor use only.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- be quiet! Pure Base 501 Airflow Window Black PC Case
- 2x pre-installed be quiet! Pure Wings 3 PWM 140mm fans (1x front, 1x rear)
- Accessory box containing:
 - Various screws for motherboard, SSDs, HDDs, and power supply
 - Cable ties
 - User manual



Figure 3.1: Included accessories such as screws, cable ties, and mounting brackets.

4. SETUP AND INSTALLATION

Follow these steps to install your PC components into the Pure Base 501 Airflow Window case.

4.1. Preparing the Case

- Place the case on a stable, flat surface.
- Remove the tempered glass side panel by unscrewing the thumb screws at the rear and carefully pulling the panel away.
- Remove the solid steel side panel (opposite side) by unscrewing the thumb screws and sliding it backward.
- The front mesh panel can be removed by pulling it from the bottom edge to access front fan mounts.
- The top panel can be removed to access top fan/radiator mounts.



Figure 4.1: Exploded view illustrating the removable panels and internal structure for easy access during installation.

4.2. Motherboard Installation

- Ensure the correct standoffs are installed for your motherboard form factor (ATX, Micro-ATX, Mini-ITX). The case comes with pre-installed standoffs for ATX.
- Install the I/O shield into the rear opening of the case.
- Carefully place your motherboard onto the standoffs, aligning the screw holes.
- Secure the motherboard with the appropriate screws from the accessory box.



Figure 4.2: Internal layout with pre-installed fans and the motherboard mounting area.

4.3. Power Supply Unit (PSU) Installation

- Mount the PSU to the bracket at the rear bottom of the case.
- Slide the PSU with the bracket into the PSU shroud from the rear of the case.
- Secure the PSU bracket with screws.

4.4. Storage Drive Installation

- **3.5" HDDs:** Install up to two 3.5" drives in the removable HDD cage located under the PSU shroud. Slide the drives into the trays and secure them.

- **2.5" SSDs/HDDs:** Install up to five 2.5" drives. Two mounts are located behind the motherboard tray, and three can be installed on the HDD cage. Secure drives with screws.

4.5. Graphics Card (VGA) and Expansion Card Installation

- Remove the necessary expansion slot covers at the rear of the case.
- Insert your graphics card or other expansion cards into the PCIe slots on the motherboard.
- Secure the cards with screws.



Figure 4.3: Example of a fully assembled system inside the case, showing component placement.

4.6. Fan and Radiator Installation

- The case comes with two 140mm Pure Wings 3 PWM fans pre-installed (one front, one rear).
- **Front:** Supports 2x 140mm or 3x 120mm fans. Radiators up to 360mm.

- **Top:** Supports 2x 140mm or 2x 120mm fans. Radiators up to 140mm.
- **Rear:** Supports 1x 140mm or 1x 120mm fan. Radiators up to 140mm.
- Ensure fans are oriented correctly for optimal airflow (intake at front, exhaust at rear/top).

4.7. Connecting Front I/O Ports

- Connect the USB 3.2 Gen.2 Type C, USB 3.2 Type A (x2), HD Audio, power switch, reset button, and HDD indicator cables from the front panel to the corresponding headers on your motherboard.



Figure 4.4: Front I/O panel with USB ports, audio jacks, and power/reset buttons.

4.8. Cable Management

- Utilize the cable routing cutouts and Velcro straps behind the motherboard tray to organize cables. This improves airflow and aesthetics.
- Ensure no cables interfere with fan blades.

5. OPERATING THE PC CASE

Once all components are installed and connected, replace the side panels. Connect your peripherals, monitor, and power cable. Press the power button on the front panel to start your system.

- The Pure Base 501 Airflow Window is designed for high airflow, ensuring efficient cooling for your components.
- The pre-installed Pure Wings 3 PWM fans offer a balance of performance and quiet operation.
- Monitor your system temperatures using software to ensure optimal performance.

6. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your PC components.

- **Dust Filters:** The case features removable dust filters on the front, top, and bottom. Regularly clean these filters by removing them and gently brushing or washing off accumulated dust. Ensure they are completely dry before re-installing.
- **Internal Cleaning:** Periodically open the case and use compressed air to remove dust from fans, heatsinks, and other components. Ensure the system is powered off and unplugged before cleaning.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid harsh chemicals or abrasive materials.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
PC does not power on.	Loose power connections, faulty PSU, incorrect front panel header connection.	Check all power cables (24-pin, 8-pin CPU, GPU). Verify PSU is switched on. Ensure front panel power switch cable is correctly connected to the motherboard.
Fans are not spinning.	Fan cables disconnected, faulty fan, incorrect fan header connection.	Check fan power cables are securely connected to motherboard fan headers or a fan controller. Ensure fans are not obstructed.
High system temperatures.	Poor airflow, dust buildup, insufficient cooling.	Clean dust filters. Ensure fans are oriented correctly (intake/exhaust). Verify CPU cooler and GPU fans are functioning. Consider adding more fans or upgrading cooling solutions.
USB ports not working.	Front panel USB cables disconnected from motherboard.	Check that the USB 3.2 Gen.2 Type C and USB 3.2 Type A cables are securely connected to the correct headers on your motherboard.

For further assistance, please contact be quiet! customer support.

8. SPECIFICATIONS

Feature	Detail
Model Name	Pure Base 501 Airflow Window
Case Type	Mid-Tower
Motherboard Compatibility	ATX, Micro-ATX, Mini-ITX
Dimensions (L x W x H)	450 x 231 x 463 mm
Weight	7.2 kg
Materials	Steel, Tempered Glass
Pre-installed Fans	Front: 1x Pure Wings 3 PWM 140mm, Rear: 1x Pure Wings 3 PWM 140mm
Maximum Fan Capacity	Front: 2x 140mm / 3x 120mm, Top: 2x 140mm / 2x 120mm, Rear: 1x 140mm / 1x 120mm
Radiator Support	Top: 120/140mm, Front: 120/140/240/280/360mm, Rear: 120/140mm
Max CPU Cooler Height	178 mm
Max GPU Length	368 mm
Max PSU Length	200 mm (180 mm with HDD cage)
Storage Bays	Up to 5x 2.5", Up to 2x 3.5"
Expansion Slots	7
Front I/O Ports	1x USB 3.2 Gen.2 Type C, 2x USB 3.2 Type A, HD Audio, Reset Button, Power Button, HDD Indicator



9. WARRANTY AND SUPPORT

Your be quiet! Pure Base 501 Airflow Window PC Case comes with a **3-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please visit the official be quiet! website or contact their customer service department. Please have your proof of purchase and product model information ready when contacting support.

Official be quiet! Website: www.bequiet.com

