## Tacens AEROSLIM500

# Tacens AEROSLIM500 MicroATX PC Case Instruction Manual

Model: AEROSLIM500

## 1. INTRODUCTION

Thank you for choosing the Tacens AEROSLIM500 MicroATX PC Case. This slim mini-tower is designed for efficient and compact PC builds, supporting MicroATX and Mini-ITX motherboards. It features optimized airflow, an integrated 500W TFX power supply, and modern connectivity. This manual provides essential information for safe installation, operation, and maintenance of your new PC case.

Figure 1: Tacens AEROSLIM500 MicroATX PC Case (Overall View)

## 2. SAFETY INFORMATION

Please read and follow these safety guidelines to prevent damage to the product or injury to yourself.

- **Power Disconnection:** Always disconnect the power cable from the wall outlet before opening the case or performing any installation/maintenance.
- **Static Electricity:** Discharge static electricity from your body before handling internal components. Use an anti-static wrist strap if available.
- **Sharp Edges:** Be cautious of sharp edges inside the case during installation.
- **Ventilation:** Ensure proper ventilation around the case. Do not block air vents.
- **Liquid and Moisture:** Keep the case away from liquids and excessive moisture.
- **Professional Installation:** If you are unsure about any installation steps, seek assistance from a qualified technician.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package. If any items are missing or damaged, contact your retailer.

- Tacens AEROSLIM500 MicroATX PC Case with integrated 500W TFX Power Supply

- Pre-installed 90mm FDB Front Fan

- Accessory kit (screws, standoffs, cable ties)

- User Manual (this document)

## 4. PRODUCT FEATURES

The Tacens AEROSLIM500 PC case offers a range of features for a compact and efficient build:

- **Integrated TFX 500W Power Supply:** Ensures stable and efficient power delivery for your components.

- **Advanced Cooling:** Front and side ultra-fine mesh panels provide constant airflow and act as a dust barrier.

- **Pre-installed Front Fan:** Includes a 90mm FDB (Fluid Dynamic Bearing) fan for optimal cooling. Supports up to two 90mm front fans.

- **Optimized Internal Space:** Compatible with MicroATX (up to 210mm wide) and Mini-ITX motherboards.

- **GPU Support:** Accommodates low-profile GPUs up to 220mm long and 63mm wide.

- **Storage Options:** Features 5 x 2.5" SSD drive bays.

- **Expansion Slots:** Provides 3 expansion slots for MicroATX or 1-2 for Mini-ITX configurations.

- **Complete Connectivity:** Front panel includes USB-C, USB 3.0, USB 2.0 ports, and HD audio/microphone jacks.
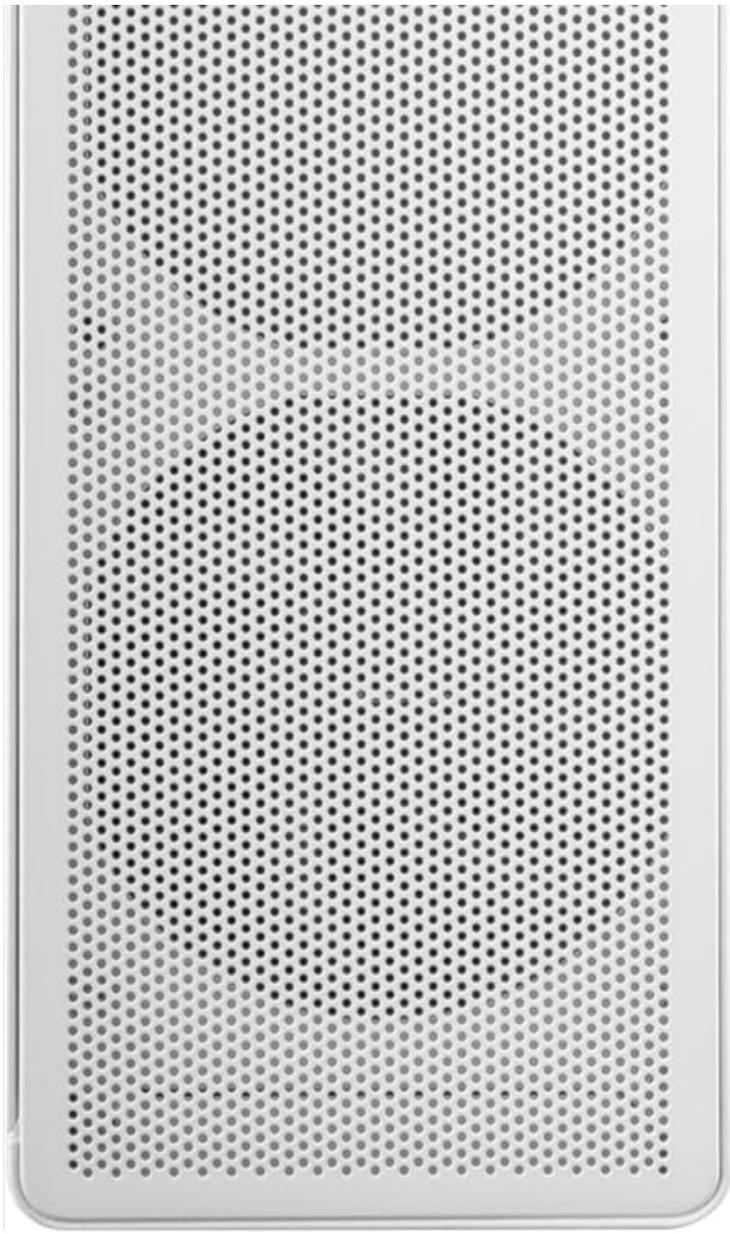
Figure 2: Front Panel Connectivity

Figure 3: Detailed View of Front I/O Ports

# 5. SETUP AND INSTALLATION

Follow these steps to install your components into the Tacens AEROSLIM500 PC case. Ensure the system is powered off and unplugged before beginning.

## 5.1. Opening the Case

1. Place the case on a flat, stable surface.

2. Locate the thumbscrews or standard screws on the rear panel securing the side panel(s).

3. Remove the screws and carefully slide the side panel(s) backward, then lift them off.

Figure 4: Case Interior View with Pre-installed Fan

## 5.2. Motherboard Installation

1. Install the CPU, CPU cooler (ensure it fits within the 73mm height limit), and RAM onto your MicroATX or Mini-ITX motherboard before placing it in the case.

2. Align the motherboard with the pre-installed standoffs inside the case.

3. Secure the motherboard using the appropriate screws from the accessory kit.



Figure 5: Motherboard Mounting Area

## 5.3. Storage Device Installation (2.5" SSD/HDD)

1. Locate the 2.5" drive bays/mounting points. The case supports up to 5 x 2.5" drives.

2. Secure your 2.5" SSDs or HDDs using the provided screws.

3. Connect SATA data and power cables to the drives.

Figure 6: Power Supply and Drive Bay Area

## 5.4. Expansion Card (GPU) Installation

1. Remove the necessary expansion slot covers from the rear of the case.

2. Carefully insert your low-profile GPU (max 220mm length, 63mm width) into the PCIe slot on the motherboard.

3. Secure the expansion card with a screw.

## 5.5. Connecting Front Panel Cables

Connect the front panel cables (USB-C, USB 3.0, USB 2.0, HD Audio, Power Switch, Reset Switch, Power LED, HDD LED) to their corresponding headers on your motherboard. Refer to your motherboard manual for exact header locations.

## 5.6. Cable Management

Route cables neatly to improve airflow and aesthetics. Use the provided cable ties to secure bundles of cables.

## 5.7. Closing the Case

1. Once all components are installed and cables are managed, reattach the side panel(s).
2. Secure the side panel(s) with the thumbscrews or standard screws.

# 6. OPERATING INSTRUCTIONS

After successful assembly, connect your peripherals (monitor, keyboard, mouse) and the power cable to the integrated TFX 500W power supply.

- **Power On:** Press the power button located on the front panel to turn on your computer.
- **USB Ports:** Use the front USB-C, USB 3.0, and USB 2.0 ports for connecting external devices.
- **Audio Jacks:** Connect headphones or a microphone to the front audio jacks.
- **Power Off:** Shut down your computer through the operating system. For a hard shutdown, press and hold the power button for several seconds.

# 7. MAINTENANCE

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

- **Dust Cleaning:** The mesh panels act as dust filters. Periodically clean the front and side mesh panels using compressed air or a soft brush to remove accumulated dust.
- **Internal Cleaning:** Every 6-12 months, open the case (after disconnecting power) and use compressed air to clean dust from internal components, especially CPU coolers and GPU fans.
- **Cable Management Check:** Ensure cables remain neatly routed and do not obstruct airflow.

# 8. TROUBLESHOOTING

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

- **No Power:**
  - Ensure the power cable is securely connected to both the wall outlet and the PC's power supply.
  - Verify that the power supply switch (if present) is in the 'ON' position.
  - Check all internal power connections (24-pin ATX, 8-pin CPU, GPU power) to the motherboard and components.
  - Ensure the front panel power button cable is correctly connected to the motherboard header.

- **No Display:**
  - Confirm your monitor is powered on and connected to the correct video output on your GPU or motherboard.
  - Reseat your GPU and RAM modules.

- **Excessive Noise:**
  - Check if any cables are obstructing fan blades.
  - Clean dust from fans (CPU, GPU, case fans, PSU fan).
  - Ensure all screws are tightened to prevent vibrations.

- **Front Panel Ports Not Working:**

○ Verify that the USB and audio cables from the front panel are correctly connected to the motherboard headers.

## 9. SPECIFICATIONS

| Brand | Tacens |
| --- | --- |
| Model Name | AEROSLIM500 |
| Motherboard Compatibility | Micro ATX, Mini ITX |
| Case Type | Compact Desktop / Mini-Tower |
| Color | White |
| Material | Metal |
| Power Supply | Integrated TFX 500W |
| Cooling Method | Air (Pre-installed 90mm FDB front fan) |
| CPU Cooler Height Limit | Up to 73mm |
| GPU Length Limit | Up to 220mm (low-profile only) |
| GPU Width Limit | Up to 63mm |
| Drive Bays | 5 x 2.5" SSD/HDD |
| Expansion Slots | 3 (MicroATX), 1-2 (Mini-ITX) |
| Front I/O Ports | 1x USB-C, 1x USB 3.0, 2x USB 2.0, HD Audio (Headphone/Microphone) |
| Item Weight | 2.25 Kilograms |

## 10. WARRANTY AND SUPPORT

Tacens products are manufactured to the highest quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Tacens website.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact Tacens customer service through their official website or the contact information provided in your product documentation.

**Official Tacens Website:** www.tacens.com (*Note: This is a placeholder URL. Please refer to your product packaging for the correct official website.*)