ASUS TM-982

ASUS TM-982 Micro ATX Mini Tower System Cabinet User Manual

Model: TM-982

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ASUS TM-982 Micro ATX Mini Tower System Cabinet. Please read this manual thoroughly before beginning installation to ensure proper setup and optimal performance of your system.

SAFETY INFORMATION

Adhering to these safety guidelines will help prevent damage to the cabinet and ensure user safety.

- Always disconnect the power supply from the wall outlet before opening the cabinet or performing any maintenance.
- Handle internal components with care to avoid electrostatic discharge. Consider using an anti-static wrist strap.
- Ensure proper ventilation around the cabinet to prevent overheating. Do not block air vents.
- Do not expose the cabinet to moisture, liquids, or extreme temperatures.
- Keep the cabinet and its components out of reach of children.

PACKAGE CONTENTS

Please verify that all items are present in the package. If any items are missing or damaged, contact your retailer immediately.

- ASUS TM-982 System Cabinet
- 300W Power Supply (pre-installed)
- Accessory Kit (includes various screws, standoffs, and cable ties)
- User Manual (this document)

PRODUCT OVERVIEW

The ASUS TM-982 is a compact Micro ATX mini tower system cabinet designed for efficient space utilization and effective cooling. It features a robust design suitable for various computing needs.

Key Features

- Ergonomically Designed for larger Hard Drive Capacity - Supports up to 11 hard drive devices.

- Excellent thermal solution for CPU, VGA, and other add-on card cooling.

- Screw-less design for quick and easy component installation.

- Side vents with built-in air-duct for efficient CPU cooling.

- Unique venting holes for add-on cards cooling.

- Multimedia and USB ports conveniently accessible from the front panel.

- Spring-opened ODD (Optical Disc Drive) door for a clean aesthetic.

Cabinet Components

An overview of the external and internal components of the TM-982 cabinet.

Image: Front-left view of the ASUS TM-982 Micro ATX Mini Tower System Cabinet. The cabinet is black with a silver lower front panel. It features multiple drive bays, front I/O ports, and side ventilation.

Front Panel

- 5.25" External Bays (x2)
- 3.5" External Bay (x1)
- Front I/O: USB x 2, Audio x 2 (configurations may vary)
- Power Button, Reset Button, Power LED, HDD Activity LED

Rear Panel

- Rear Fan Mount (supports 92mm or 80mm fan x 1)
- Motherboard I/O Shield Area
- Expansion Slots (x4)
- Power Supply Unit (PSU) Mount

Internal Layout

- Motherboard Tray (supports Micro ATX form factor motherboards)
- 3.5" Internal Bays (x2)
- Cable Management Space
- Pre-installed 300W Power Supply

Setup Instructions

Follow these steps to properly set up your ASUS TM-982 system cabinet and install components.

Preparing the Cabinet

1. Place the cabinet on a stable, flat, and non-conductive surface.

2. Remove the side panel(s) by unscrewing the thumb screws at the rear and sliding the panel backward.

Motherboard Installation

1. Install the I/O shield provided with your motherboard into the rear opening of the cabinet.

2. Align the motherboard with the standoffs inside the cabinet. Ensure the standoffs match the screw holes on your motherboard.

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

Drive Installation

The cabinet supports various drive configurations.

5.25" External Drives (e.g., Optical Drives)

1. Remove the front panel bay cover for the desired 5.25" bay.

2. Slide the 5.25" drive into the bay from the front until it clicks into place.

3. Secure the drive using the screw-less clips or screws provided in the accessory kit.

3.5" External Drives (e.g., Card Readers)

1. Remove the front panel bay cover for the desired 3.5" bay.

2. Slide the 3.5" drive into the bay.

3. Secure the drive using screws.

3.5" Internal Drives (e.g., HDDs)

1. Slide the 3.5" hard drive into an available internal drive bay.

2. Secure the drive using screws. The cabinet features anti-shock protection for hard drive devices.

Power Supply Connections

The 300W power supply is pre-installed. Connect the necessary power cables to your motherboard, drives, and other components. Refer to your motherboard and component manuals for specific power requirements.

Front Panel Connections

Connect the front panel cables (USB, Audio, Power SW, Reset SW, HDD LED, Power LED) to the corresponding headers on your motherboard. Refer to your motherboard manual for precise header locations and pin assignments.

Expansion Card Installation

1. Remove the appropriate expansion slot cover(s) at the rear of the cabinet.

2. Insert your expansion card (e.g., graphics card, sound card) firmly into the corresponding PCIe/PCI slot on the motherboard.

3. Secure the card with a screw or the screw-less retention mechanism.

Cable Management

Route cables neatly to improve airflow and aesthetics within the cabinet. Use cable ties from the accessory kit if needed to bundle and secure cables.

Closing the Cabinet

1. Once all components are installed and connected, carefully replace the side panel(s).
2. Secure the side panel(s) with the thumb screws at the rear of the cabinet.

OPERATING YOUR SYSTEM CABINET

After successful assembly, connect your monitor, keyboard, mouse, and power cable to the system.

1. Plug the power cord into the power supply unit at the rear of the cabinet and then into a grounded wall outlet.
2. Press the power button on the front panel to turn on your system.
3. Observe the power and HDD activity LEDs for system status indications.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your system cabinet and its components.

- **Dust Cleaning**: Periodically clean dust from inside the cabinet, especially from fans, heatsinks, and vents, using compressed air or a soft brush. Always ensure the system is powered off and unplugged before cleaning.
- **Ventilation**: Ensure that the side vents and rear fan area are not obstructed by objects or placed too close to walls, to maintain proper airflow and cooling efficiency.
- **Cable Management**: Periodically check cable routing to ensure no cables are obstructing airflow or fan operation. Re-route if necessary.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter during the operation of your system cabinet.

No Power

- **Check Power Connections**: Ensure the power cord is securely plugged into both the wall outlet and the power supply unit at the rear of the cabinet.
- **Internal Connections**: Verify that the 24-pin ATX power connector and 4/8-pin CPU power connector are firmly seated on the motherboard.
- **Front Panel Header**: Confirm that the Power SW cable from the front panel is correctly connected to the motherboard's front panel header. Refer to your motherboard manual.
- **Power Supply Switch**: Ensure the power supply's main switch (if present) is in the 'ON' position.

System Overheating

- **Check Fan Operation**: Ensure all case fans (including the rear fan) and the CPU cooler fan are spinning correctly.
- **Clear Obstructions**: Make sure the side vents and rear fan exhaust are not blocked by furniture or other objects.

- **Dust Buildup**: Clean any dust accumulated on fans, heatsinks, and vents, as dust can significantly impede airflow.
- **Cable Management**: Improve internal cable routing to enhance airflow within the cabinet.

USB Ports Not Working

- **Front Panel Header**: Verify that the USB cable from the front panel is correctly connected to the USB header on the motherboard.
- **Driver Installation**: Ensure USB drivers are properly installed in your operating system. Check Device Manager for any driver conflicts.

TECHNICAL SPECIFICATIONS

Detailed specifications for the ASUS TM-982 System Cabinet.

Feature	Specification
Model	TM-982
Chassis Type	Mini Tower
Motherboard Form Factor Support	Micro ATX
External 5.25" Bays	2
External 3.5" Bays	1
Internal 3.5" Bays	2
Power Supply	300W (Pre-installed)
Expansion Slots	4
Front I/O	USB x 2, Audio x 2 (configurations may vary)
Cooling System	Rear: 92/80 mm fan mount x 1, Side venting hole with air duct
Dimensions (W x H x D)	175 x 389 x 365 mm (6.9 x 15.3 x 14.4 inches)
Weight	4.4 kg (10.58 pounds)
Color	Black

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the warranty card included with your product or visit the official ASUS support website.
ASUS Support Website: https://www.asus.com/support/
Please have your product model (TM-982) and serial number ready when contacting support for faster assistance.