

## Ant Esports SX3

# Ant Esports SX3 Mid-Tower Computer Case User Manual

Model: SX3 Black

## 1. PRODUCT OVERVIEW

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The Ant Esports SX3 is a versatile mid-tower computer case designed for PC enthusiasts and gamers. It supports a wide range of motherboard form factors, including E-ATX, ATX, Micro-ATX, and Mini-ITX, offering flexibility for various system builds. The case features a tempered glass side panel for showcasing internal components and a mesh front panel for optimal airflow. It comes with a pre-installed rear fan and offers extensive cooling and storage options.



Figure 1: Ant Esports SX3 Mid-Tower Computer Case (Black)

## 2. KEY FEATURES

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- **Mid-Tower Design:** Compact yet spacious, supporting various motherboard sizes.
- **Tempered Glass Side Panel:** Provides a clear view of your internal components, held with thumbscrews for easy access.
- **Motherboard Compatibility:** Supports E-ATX, ATX, Micro-ATX, and Mini-ITX motherboards.
- **Expansion Slots:** Features 7 expansion slots for graphics cards and other add-on cards.
- **Drive Bays:** Includes 2 x 3.5" drive bays and 2 x 2.5" drive bays for flexible storage solutions.
- **I/O Panel:** Equipped with 2x USB 2.0, 1x USB 3.0, and an Audio In/Mic In (TRRS Port) for convenient connectivity.
- **Cooling Support:** Extensive fan and radiator support for superior heat dissipation.
- **Dust Filters:** Integrated dust filters help maintain a clean interior.



Figure 2: Ant Esports SX3 case in a gaming environment, highlighting its design.

### 3. INSTALLATION GUIDE

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#### 3.1. Preparing the Case

Before beginning installation, ensure the case is placed on a stable, flat surface. Remove the tempered glass side panel by unscrewing the four thumbscrews located at each corner. This provides access to the interior for component installation.



Figure 3: Tempered glass side panel being removed for internal access.

#### 3.2. Motherboard Installation

1. Identify the correct standoff positions for your motherboard form factor (E-ATX, ATX, Micro-ATX, Mini-ITX).
2. Install any necessary standoffs into the motherboard tray.
3. Carefully place your motherboard onto the standoffs, aligning the screw holes.
4. Secure the motherboard with the provided screws.

#### 3.3. Power Supply Unit (PSU) Installation

1. Locate the PSU mounting area at the bottom rear of the case.
2. Slide the PSU into position from the rear of the case.
3. Secure the PSU with screws from the outside of the case.

### 3.4. Storage Device Installation

The case supports 2 x 3.5" HDDs and 2 x 2.5" SSDs.

1. For 3.5" HDDs, use the drive cage located at the bottom of the case.
2. For 2.5" SSDs, mount them on the dedicated brackets behind the motherboard tray.
3. Secure all drives with the appropriate screws.



Figure 4: Internal layout showing excellent expandability and drive bay locations.

### 3.5. Expansion Card Installation (e.g., GPU)

1. Remove the necessary expansion slot covers from the rear of the case.
2. Insert your expansion card (e.g., graphics card) into the appropriate PCIe slot on the motherboard.
3. Secure the card with a screw.

## 4. COOLING SYSTEM

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The Ant Esports SX3 case is designed for superior heat dissipation, supporting multiple fans and radiators to keep your components cool.

### 4.1. Fan Support

- **Front:** 3 x 120mm or 3 x 140mm fans
- **Top:** 2 x 120mm or 2 x 140mm fans
- **Bottom:** 2 x 120mm fans
- **Rear:** 1 x 120mm fan (pre-installed)



Figure 5: Diagram illustrating fan support locations and sizes.

## 4.2. Radiator Support

- **Front:** Up to 360mm radiator
- **Top:** Up to 280mm radiator
- **Rear:** Up to 120mm radiator



Figure 6: Diagram showing radiator compatibility and maximum sizes.

## 4.3. Airflow Design

The case features an advanced heat dissipation system with a mesh front panel and ample ventilation points to ensure efficient airflow, drawing cool air in and expelling hot air to maintain optimal component temperatures.



Figure 7: Visual representation of the case's airflow path for effective cooling.

## 5. OPERATING THE I/O PANEL

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The top I/O panel provides convenient access to essential ports and controls.

- **USB 3.0 Port:** For high-speed data transfer.
- **USB 2.0 Ports (x2):** For connecting peripherals.
- **Audio In / Mic In (TRRS Port):** For headphones with a microphone.
- **Power Button:** To turn the system on/off.
- **Restart Button:** Can also function as an LED color change button for compatible RGB setups.



Figure 8: Close-up view of the top-mounted I/O panel.

## 6. MAINTENANCE AND CLEANING

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### 6.1. Dust Filter Cleaning

The Ant Esports SX3 includes removable dust filters to prevent dust buildup inside the case. Regularly clean these filters to maintain optimal airflow and cooling performance.

1. Locate the dust filters (typically on the top, front, and bottom).
2. Gently detach the filters.
3. Clean them using compressed air or by rinsing with water (ensure they are completely dry before reattaching).
4. Reattach the filters securely.



Figure 9: Illustration of the fast-detach dust filter for easy cleaning.

### 6.2. Tempered Glass Panel Cleaning

To clean the tempered glass side panel, use a soft, lint-free cloth and a glass cleaner. Avoid abrasive materials that could scratch the surface.

## 7. TROUBLESHOOTING

If you encounter issues with your Ant Esports SX3 computer case, consider the following common troubleshooting steps:

- **No Power:** Ensure all power cables (24-pin ATX, 8-pin CPU, PCIe, SATA) are securely connected to the motherboard, GPU, and storage devices. Verify the PSU switch is in the 'ON' position.
- **Fans Not Spinning:** Check that all fan headers are correctly connected to the motherboard or fan controller. Ensure power is supplied to the fans.
- **Front Panel I/O Not Working:** Confirm that the front panel connectors (USB, Audio, Power, Reset) are correctly plugged into the corresponding pins on your motherboard. Refer to your motherboard manual for pinout diagrams.
- **Overheating:** Ensure all fans are installed in the correct orientation for optimal airflow (intake/exhaust). Clean dust filters regularly. Verify CPU cooler and GPU cooler are properly seated and functioning.
- **Loose Components:** After moving the case, check that all internal components (GPU, RAM, storage drives) are still securely seated in their slots and bays.

If problems persist, consult your component manuals or contact Ant Esports customer support.

## 8. TECHNICAL SPECIFICATIONS



Figure 10: Detailed dimensions of the Ant Esports SX3 case.

| Feature                   | Specification                   |
|---------------------------|---------------------------------|
| Brand                     | Ant Esports                     |
| Model Name                | SX3                             |
| Case Type                 | Mid Tower                       |
| Colour                    | Black                           |
| Motherboard Compatibility | E-ATX, ATX, Micro-ATX, Mini-ITX |
| Dimensions (D x W x H)    | 38.1D x 20W x 45H Centimeters   |
| Item Weight               | 4.74 Kilograms                  |

| Feature               | Specification   |
|-----------------------|---|
| Expansion Slots       | 7   |
| 3.5" Drive Bays       | 2   |
| 2.5" Drive Bays       | 2   |
| I/O Panel             | 2x USB 2.0, 1x USB 3.0, Audio In / Mic In (TRRS Port) |
| Cooling Method        | Air   |
| Pre-installed Fans    | 1 x 120mm Rear Fan                                    |
| Max VGA Card Length   | 360 mm  |
| Max CPU Cooler Height | 165 mm  |
| Enclosure Material    | Glass (Tempered Glass Side Panel)                     |
| Special Features      | Dust Filter   |

## 9. WARRANTY AND SUPPORT

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This Ant Esports SX3 Mid-Tower Computer Case comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or any other assistance, please contact Ant Esports customer service. Contact information can typically be found on the official Ant Esports website or through your retailer.

**Manufacturer:** Ant Esports

**Importer Contact:** Acro Engineering Company