GAMEMAX SPARK

GAMEMAX SPARK Micro-ATX Tower Computer Case Instruction Manual

Model: SPARK | Brand: GAMEMAX

1. INTRODUCTION

Thank you for choosing the GAMEMAX SPARK Micro-ATX Tower Computer Case. This manual provides essential information for the proper setup, installation, operation, and maintenance of your new computer chassis. Please read these instructions carefully before beginning assembly to ensure optimal performance and longevity of your system.

Figure 1.1: GAMEMAX SPARK Micro-ATX Tower Computer Case

2. PRODUCT FEATURES

- **Compact Design:** Optimized for high compatibility with mainstream PC accessories, supporting MATX/DTX/Mini-ITX motherboards.

- **Cooling Performance:** Features a vertical airflow channel with bottom fan support for direct GPU cooling. Supports up to 6 fans.

- **Removable Dust-proof Top Panel:** Easy to remove and clean, with a top grille filter for dust prevention and enhanced heat dissipation.

- **Dual Tempered Glass Side Panels:** Tool-less design for quick and easy system building. Includes a transparent left panel and a dark black right panel to showcase RGB components.

- **Premium Front Panel:** All-metal design with sandblasting processing for a metallic texture.

- **TYPE-C Transmission:** Standard Type-C connector on the front panel for versatile data transmission.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- GAMEMAX SPARK Micro-ATX Tower Computer Case
- Accessory Kit (screws, standoffs, cable ties)
- User Guide (this document)

4. COMPONENT IDENTIFICATION

Familiarize yourself with the various parts of your chassis:

4.1 Exploded View

Figure 4.1: Exploded View of Chassis Components

This diagram illustrates the main removable components: Top Handle, One-Piece Top to Left Tempered Glass Panel, PSU Bracket, Water Cooling Bracket, Right Side Panel, and Front Bezel.

4.2 Front I/O Panel

Figure 4.2: Front I/O Panel Layout

- **Power On:** System power button.
- **2 IN 1 Combo Audio:** Combined headphone/microphone jack.
- **Type-C:** USB Type-C port for data transmission.

- **USB 3.0:** Standard USB 3.0 port.

5. SETUP & INSTALLATION

Follow these steps for a successful system build.

5.1 Preparing the Chassis

1. Remove the side panels by gently pulling them off. They are tool-less for easy access.
2. Remove the top dust filter and top panel for easier access during installation.

5.2 Motherboard Installation

The case supports MATX, DTX, and Mini-ITX motherboards.

1. Align your motherboard with the standoffs inside the chassis.
2. Secure the motherboard using the provided screws.

5.3 Power Supply Unit (PSU) Installation

The chassis supports ATX PSUs up to 220mm in length. The PSU installation position is adjustable.

1. Mount your ATX PSU to the PSU bracket.
2. Install the PSU and bracket into the designated front compartment.

5.4 Storage Drive Installation

The case supports SSD x 3 & HDD x 1 or SSD x 4.

Figure 5.1: Storage Drive Mounting Options

1. Locate the mounting points for 2.5" SSDs behind the motherboard tray or on the bottom panel.
2. For 3.5" HDDs, use the designated mounting area, typically on the bottom.
3. Secure drives with the provided screws.

5.5 Graphics Processing Unit (GPU) Installation

The chassis supports GPUs up to 355mm (MAX) in length.

1. Remove the necessary PCI-E slot covers at the rear of the case.
2. Insert your GPU into the PCI-E slot on the motherboard.
3. Secure the GPU with screws.

5.6 Fan and Cooling System Installation

The case supports various cooling configurations:

- **Top:** 120mm x2 or 140mm x2 fans (optional), or 240mm AIO (optional).

- **Bottom:** 120mm x3 or 140mm x2 fans (optional), or 240mm AIO (optional).

- **Rear:** 120mm x1 fan (optional).

Figure 5.2: Cooling Configuration Options

1. Mount fans or AIO radiators to their respective positions using the provided screws.

2. Ensure proper airflow direction for optimal cooling (e.g., bottom fans blowing directly to the GPU).

5.7 Cable Management

Utilize the dedicated cable management channels and velcro straps behind the motherboard tray to organize cables. This improves airflow and aesthetics.

Figure 5.3: Cable Management Area

5.8 Re-installing Panels

1. Once all components are installed and cables are managed, re-attach the top panel and dust filter.
2. Carefully re-attach the tempered glass side panels.

6. OPERATING INSTRUCTIONS

To power on your system, press the 'Power On' button located on the front I/O panel. Use the USB 3.0 and Type-C ports for connecting external devices. The 2-in-1 combo audio jack supports both headphones and microphones.

7. MAINTENANCE

- **Dust Filter Cleaning:** Regularly remove and clean the top dust filter to maintain optimal airflow and prevent dust buildup inside the chassis.
- **Exterior Cleaning:** Use a soft, damp cloth to clean the exterior surfaces. Avoid abrasive cleaners or solvents.
- **Interior Cleaning:** Periodically use compressed air to remove dust from internal components and fans. Ensure the system is powered off and unplugged before cleaning.

8. TROUBLESHOOTING

- **System Not Powering On:** Ensure all power cables (PSU to wall, PSU to motherboard, CPU, GPU) are securely connected. Check the front panel power switch connection to the motherboard.
- **No Display Output:** Verify that the monitor cable is connected to the GPU (not the motherboard integrated graphics, unless intended). Reseat the GPU and RAM modules.
- **Overheating:** Check fan connections and ensure they are spinning. Clean dust filters. Verify proper airflow direction.
- **USB/Audio Ports Not Working:** Ensure front panel I/O cables are correctly connected to the motherboard headers.

9. SPECIFICATIONS

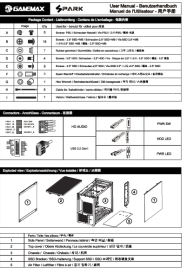| Feature	Specification
Brand	GAMEMAX
Model Name	SPARK
Motherboard Compatibility	Micro ATX, DTX, Mini-ITX
Case Type	Desktop Tower
Color	Grey
Material	Metal, Tempered Glass
Product Dimensions (LxWxH)	16.26 x 8.03 x 13.27 inches (41.3 x 20.4 x 33.7 cm)
Item Weight	12.07 pounds (5.47 kg)
Max GPU Length	355mm

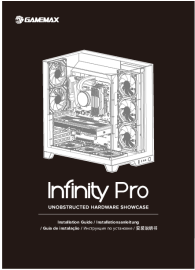| Feature	Specification
Max CPU Cooler Height	168mm
Max PSU Length	220mm (ATX)
Drive Bays	SSD x 3 & HDD x 1 or SSD x 4
Front I/O Ports	1x USB Type-C, 2x USB 3.0, 1x 2-in-1 Audio Jack
Cooling Method	Air, Water

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official GAMEMAX website or contact your local retailer. Keep your proof of purchase for warranty claims.

Related Documents - SPARK

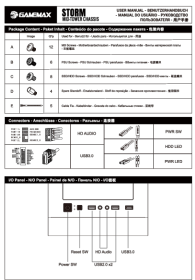|	
	GAMEMAX Diamond CP PC Case User Manual User manual for the GAMEMAX Diamond CP PC case, covering specifications, installation of components like PSU, motherboard, VGA card, storage, fans, and liquid cooling, along with an introduction to the COC (Cooling & Overclocking) system and connectivity options.
	GAMEMAX SPARK User Manual and Installation Guide Comprehensive user manual and installation guide for the GAMEMAX SPARK PC case, detailing package contents, component installation steps, airflow information, and technical specifications.
	GAMEMAX Draco XD Mid-Tower Gaming Case User Manual and Specifications Comprehensive user manual and technical specifications for the GAMEMAX Draco XD Mid-Tower Gaming Case, covering features, installation guides, accessory contents, and compliance information.

	GAMEMAX Infinity Pro PC Case Installation Guide Comprehensive installation guide for the GAMEMAX Infinity Pro ATX Mid-Tower PC case. Learn how to install hardware, fans, and cooling systems with detailed instructions and diagrams.
	GAMEMAX Black Hole Mid-Tower Gaming Case - User Manual and Specifications Detailed specifications, features, and installation guide for the GAMEMAX Black Hole Mid-Tower Gaming Case. Includes accessory contents, I/O panel details, and component installation instructions.
	GameMax Storm Mid-Tower Chassis User Manual User manual for the GameMax Storm Mid-Tower Chassis (Model 6651), detailing package contents, connector information, exploded view, installation guides, and cooling system specifications.