GAMEMAX GMX-EXPEDITION-WHT

GameMax Expedition MATX PC Gaming Case
MODEL: GMX-EXPEDITION-WHT

1. Introduction

The GameMax Expedition is a compact Micro ATX PC gaming case designed for efficient cooling and component compatibility. This manual provides instructions for the proper installation, operation, and maintenance of your PC case.

Figure 1.1: GameMax Expedition MATX PC Gaming Case, White.

2. Safety Information

- Always disconnect power from all components before installation or maintenance.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to components.
- Be cautious of sharp edges inside the chassis.
- Keep small parts and screws away from children.
- Ensure proper ventilation around the case during operation.

3. Package Contents

Verify that all items are present in the package:

- GameMax Expedition MATX PC Gaming Case
- Accessory box (screws, standoffs, cable ties)
- 1 x 120mm Blue LED Fan (pre-installed at rear)
- User Manual (this document)

4. Product Features

- **Micro Gaming Chassis:** Compact design optimized for gaming components.

- **I/O Ports:** 1 x USB 3.0, 2 x USB 2.0, and HD Audio ports located on the top panel.

- **Cooling:** Includes 1 x 120mm Blue LED fan. Supports additional fans for enhanced airflow.

- **Side Window:** Full side window panel allows visibility of internal components.

- **Magnetic Dust Filter:** Removable dust filter on the top panel for easy cleaning and improved system longevity.

- **GPU Bracket:** Integrated bracket provides support for graphics cards, preventing sag and accommodating larger cards.

5. Component Overview

5.1 External Views

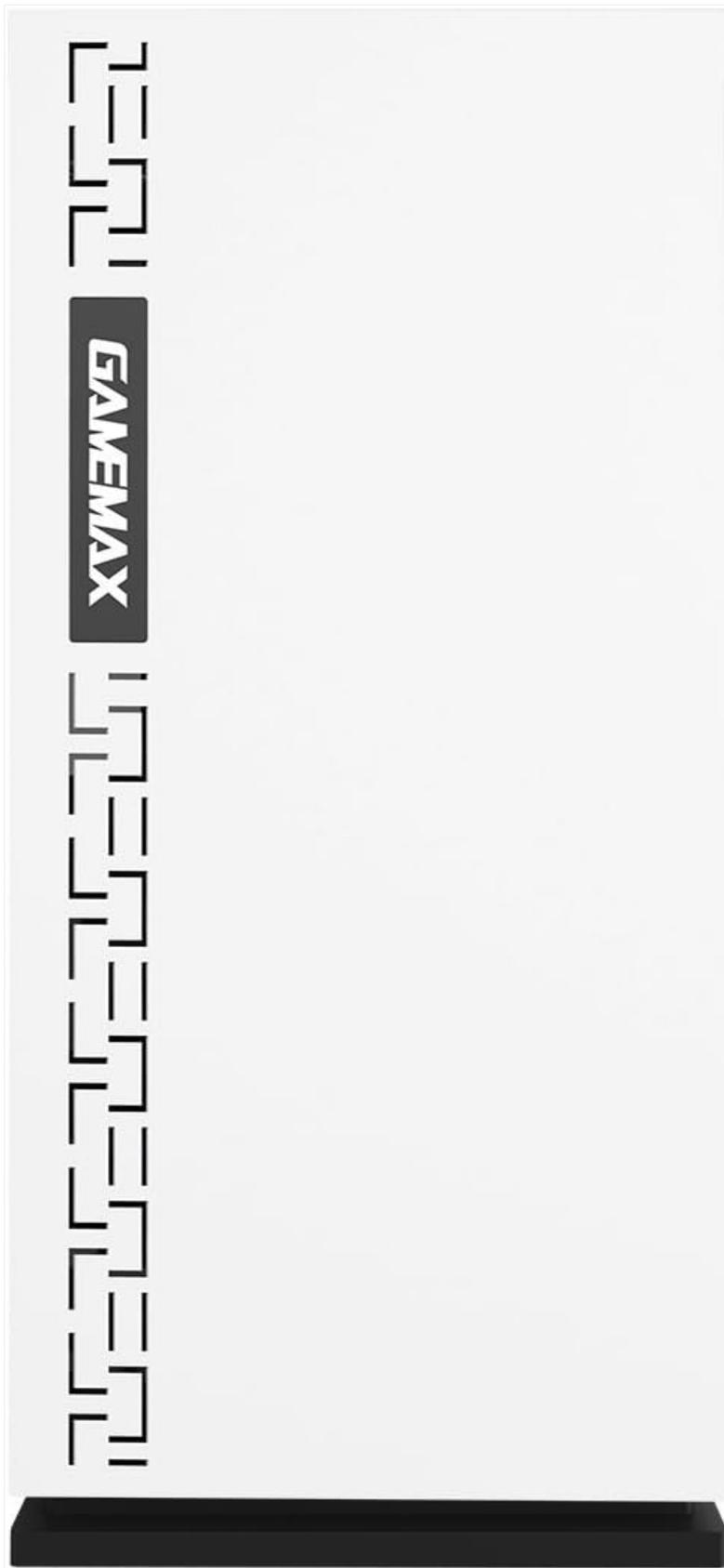Figure 5.1: Front panel design with air intake and included 120mm fan illustration.

Figure 5.2: Top I/O panel featuring USB 3.0, USB 2.0, and audio ports.

Figure 5.3: Top view showing the magnetic dust filter for fan ventilation.

Figure 5.4: Rear view displaying expansion slots and the pre-installed 120mm fan.

5.2 Internal Layout

Figure 5.5: Internal view with the side panel removed, showing the motherboard tray and cable routing options.

All THE FANS YOU NEED.

1 120mm Fan Included

3 Up to fans supported

120 120 Radiator supported

Figure 5.6: Illustration of fan and radiator mounting points within the chassis.

Figure 5.7: Drive bay locations supporting 2.5" and 3.5" storage devices.

Figure 5.8: Maximum clearance for CPU coolers (155mm) and GPUs (340mm).

6. Setup and Installation

6.1 Preparation

- Unpack the chassis and remove all packaging materials.
- Remove the side panels by unscrewing the thumbscrews at the rear.
- Gather necessary tools: Phillips head screwdriver, cable ties.

6.2 Motherboard Installation

1. Install the I/O shield into the rear opening of the chassis.
2. Align the motherboard with the pre-installed standoffs. Ensure the standoffs match your Micro ATX motherboard's mounting holes.
3. Secure the motherboard with the provided screws.

6.3 Power Supply Installation

1. Place the power supply unit (PSU) into the dedicated compartment at the bottom rear of the case.
2. Align the PSU with the screw holes on the rear of the chassis.

3. Secure the PSU with the provided screws.

6.4 Storage Drive Installation

- **2.5" Drives:** Mount 2.5" SSDs/HDDs to the dedicated mounting points on the motherboard tray or within the drive cage using the provided screws.
- **3.5" Drives:** Install 3.5" HDDs into the drive cage located beneath the PSU shroud. Slide the drive into the tray and secure it.

6.5 Expansion Card (GPU) Installation

1. Remove the necessary expansion slot covers from the rear of the chassis.
2. Insert your graphics card or other expansion card into the appropriate PCIe slot on the motherboard.
3. Secure the card with a screw.
4. Utilize the adjustable GPU bracket to provide additional support for heavier graphics cards.

6.6 Fan and Cooling Installation

- The case comes with one 120mm Blue LED fan pre-installed at the rear.
- Additional 120mm fans can be installed at the top and front positions as needed.
- Ensure fans are oriented correctly for optimal airflow (intake or exhaust).

6.7 Front Panel Connector Installation

Connect the front panel cables (USB 3.0, USB 2.0, HD Audio, Power SW, Reset SW, Power LED, HDD LED) to their corresponding headers on your motherboard. Refer to your motherboard manual for exact pin layouts.

7. Operating

Once all components are installed and cables are connected, replace the side panels. Connect your monitor, keyboard, mouse, and power cable. Press the power button on the top panel to start your system. The pre-installed LED fan will illuminate upon power-on.

8. Maintenance

- **Dust Filter Cleaning:** Regularly remove and clean the magnetic dust filter located on the top panel to maintain optimal airflow and prevent dust buildup inside the case.
- **General Cleaning:** Use a soft, damp cloth to clean the exterior surfaces of the case. Avoid abrasive cleaners.
- **Internal Dust Removal:** Periodically use compressed air to clear dust from internal components and fans. Ensure the system is powered off and unplugged before performing internal cleaning.

9. Troubleshooting

- **System Not Powering On:** Check all power connections, including the PSU to the wall outlet, PSU to motherboard, and front panel power switch cable to the motherboard.
- **Fans Not Spinning:** Verify fan cables are securely connected to the motherboard or fan controller.
- **USB Ports Not Working:** Ensure the front panel USB cables are correctly connected to the motherboard's USB headers.

- **No Display Output:** Confirm the graphics card is properly seated and connected to power, and the monitor cable is connected to the graphics card, not the motherboard's integrated graphics port (unless using integrated graphics).

10. Specifications

Feature	Specification
Model Name	GMX EXPEDITION
Brand	GAMEMAX
Case Type	Micro Tower (MATX)
Motherboard Compatibility	Micro ATX
Color	Expedition White
Material	Polycarbonate (PC)
Product Dimensions (LxWxH)	14.96 x 7.4 x 13.78 inches (380 x 188 x 350 mm)
Item Weight	8.58 pounds (3.9 kg)
USB 3.0 Ports	1
USB 2.0 Ports	2
Cooling Method	Air, Water
Included Fan	1 x 120mm Blue LED (Rear)
Max CPU Cooler Height	155mm
Max GPU Length	340mm

11. Warranty and Support

For warranty information and technical support, please visit the official GameMax website or contact your local retailer.

Official Website: gamemaxpc.com