

## GOLDEN FIELD Z3

# GOLDEN FIELD Z3 Mid Tower ATX Gaming PC Case User Manual

## INTRODUCTION

Welcome to the GOLDEN FIELD Z3 Mid Tower ATX Gaming PC Case user manual. This document provides essential information for the proper installation, operation, and maintenance of your new computer case. Please read these instructions carefully before proceeding with assembly to ensure optimal performance and longevity of your system.

## PRODUCT OVERVIEW

The GOLDEN FIELD Z3 is a mid-tower ATX gaming PC case designed for enthusiasts seeking a balance of aesthetics, functionality, and compatibility. It features a sleek design with a touch-sensitive power button and ample space for various components.

## Key Features

- **Touch-Sensitive Power Button:** Innovative front panel touch button for system power control. Requires a dual 24-pin cable connection for activation.
- **Motherboard Compatibility:** Supports ATX, Micro ATX, and ITX motherboard form factors.
- **Power Supply Support:** Compatible with standard ATX power supplies, mounted at the bottom.
- **Front I/O Ports:** Includes 2 x USB 3.0, 2 x USB 2.0, 1 x HD Audio, 1 x Microphone, and 1 x Fan Switch for convenient connectivity.
- **Cooling System Support:** Accommodates up to 8 x 120mm cooling fans (optional).
- **Storage Options:** Flexible storage configurations with support for 2 x HDD/SSD + 3 x SSD or 5 x SSD.
- **Liquid Cooling Compatibility:** Supports liquid cooling radiators up to 360mm at the front and 120mm at the rear.
- **Component Clearance:** Generous clearance for graphics cards up to 400mm in length and CPU air coolers up to 155mm in height.
- **Aesthetic Design:** Features an acrylic side panel and a front tempered glass panel to showcase internal components.



Figure 1: The GOLDEN FIELD Z3 Mid Tower ATX Gaming PC Case, showcasing its design with illuminated fans.

# TEMPERED GLASS AND ACRYLIC

Shows off your beautiful hardware system

Acrylic

Front tempered glass



Figure 2: Illustration of the tempered glass front panel and acrylic side panel, highlighting the case's construction materials.

## 2 USB3.0 SOCKETS

the high speed transmission efficiency of USB3.0 is equipped at top,which brings about much convenience.



Figure 3: Detailed view of the top-mounted I/O ports, including USB 3.0, USB 2.0, audio, microphone, and fan switch.

## SPECIFICATIONS

Feature	Specification
Series	GOLDEN FIELD Z
Model	Z3
Material	SPCC 0.02in Black, Acrylic
Product Dimensions (L x W x H)	46.81 x 20.19 x 45.39 cm (18.43 x 7.95 x 17.87 inches)
Form Factor	ATX, Micro ATX, ITX

Fan Spaces (Optional)	Top: 2 x 120mm Bottom: 2 x 120mm Rear: 1 x 120mm Front: 3 x 120mm
Display Card Length (Max)	400mm (15.75in)
Liquid Cooler Support (Max)	Front: 360mm (14.17in) Rear: 120mm (4.72in)
CPU Radiator Height (Max)	155mm (6.1in)
Hard Disk Spaces	2 x HDD/SSD + 3 x SSD or 5 x SSD
Expansion Slots	7
PSU Mounting	Bottom side
I/O Ports	1 x Audio, 1 x Microphone, 3 x USB 2.0, 1 x USB 3.0, 1 x Fan switch
Net Weight	5.3 kg (11.68 lb)

*Note: Computer case does not include any fans or radiators.*

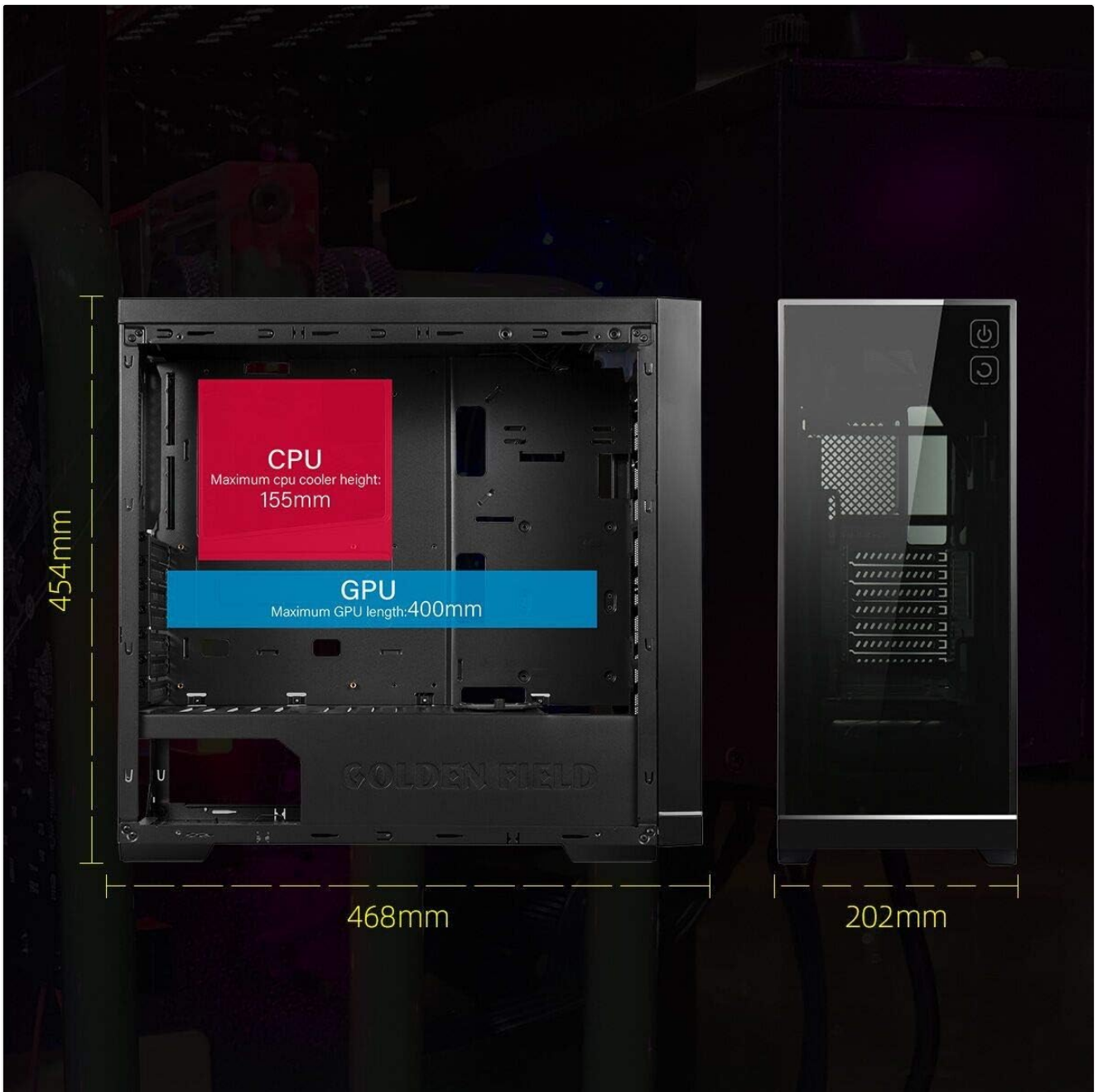


Figure 4: Case dimensions and maximum component clearances for CPU cooler height and GPU length.

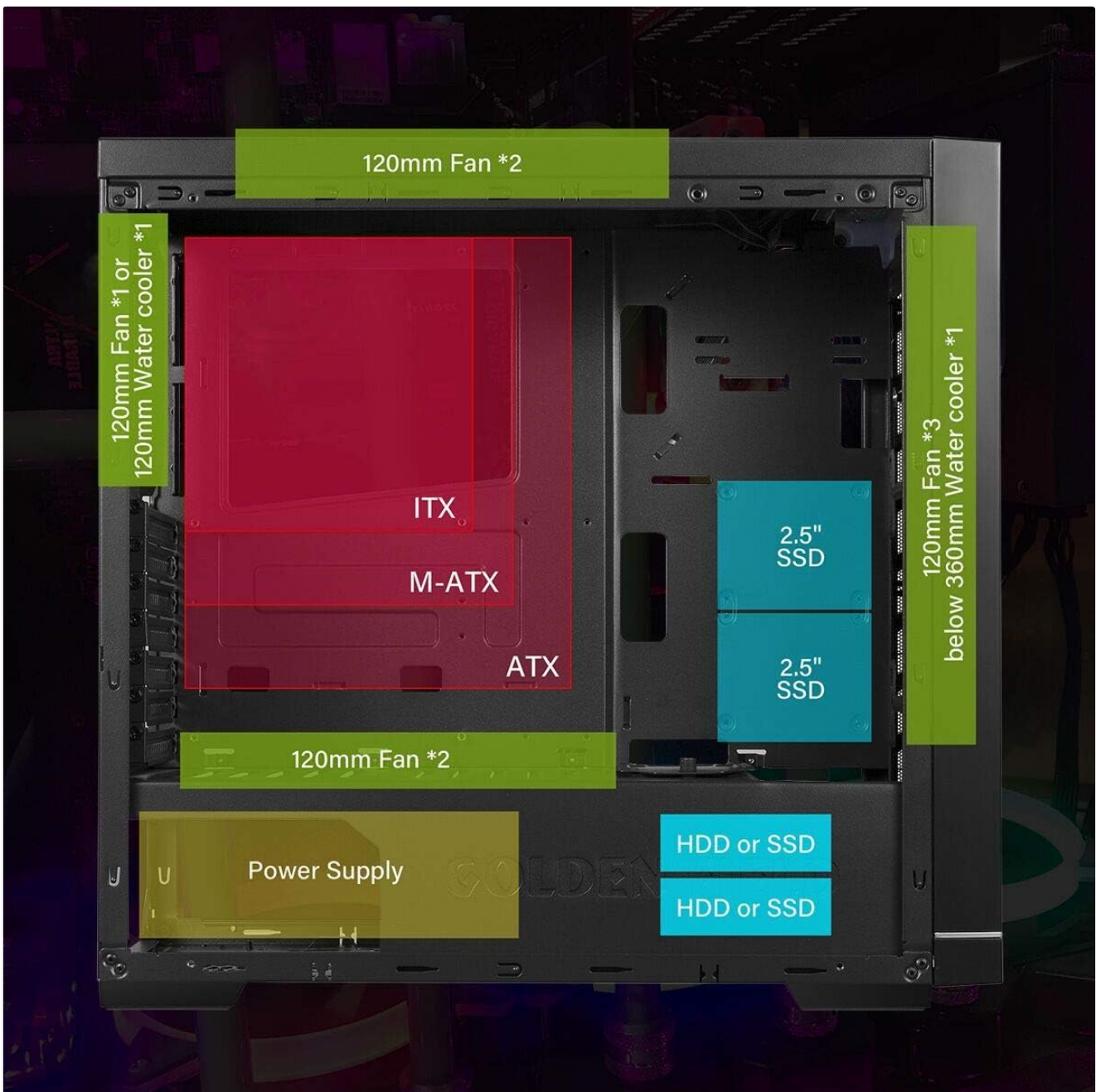


Figure 5: Internal layout illustrating compatible motherboard sizes (ITX, M-ATX, ATX), fan mounting locations, and drive bay configurations.

## SETUP INSTRUCTIONS

### Preparation

1. Carefully unpack the GOLDEN FIELD Z3 computer case from its packaging.
2. Verify that all included accessories, such as screws and cables, are present.
3. Gather necessary tools, including a Phillips head screwdriver and zip ties for cable management.

### Motherboard Installation

1. Identify the pre-installed motherboard standoffs. Install additional standoffs if required for your specific motherboard form factor (ATX, Micro ATX, or ITX).
2. Carefully place your motherboard into the case, aligning the screw holes with the standoffs.
3. Secure the motherboard using the appropriate screws.

## Power Supply Installation

1. Install your power supply unit (PSU) into the designated bottom-mount area of the case.
2. Secure the PSU with screws from the rear of the case.

## Component Installation (GPU, Storage, Cooling)

1. Install your graphics card(s) into the PCIe slots on your motherboard and secure them with screws.
2. Install 2.5" SSDs and 3.5" HDDs into their respective drive bays. The case supports 2 x HDD/SSD + 3 x SSD or 5 x SSD configurations.
3. Install optional cooling fans (up to 8 x 120mm) in the front, top, bottom, and rear positions as desired.
4. If using liquid cooling, install radiators up to 360mm at the front or 120mm at the rear.

## Cable Management

1. Route power cables and data cables through the case's cable management cutouts.
2. Utilize the space behind the motherboard tray and the right convex metal plate for routing and concealing cables.
3. Secure cables with zip ties for optimal airflow and a clean internal appearance.



## RIGHT CONVEX METAL PLATE

The convex metal plate increases the space of the chassis and provides convenience for the hub

Figure 6: The right convex metal plate design, providing additional space for efficient cable management behind the motherboard tray.

### OPERATING INSTRUCTIONS

#### Connecting Front Panel I/O

Connect the front panel I/O cables (USB 3.0, USB 2.0, HD Audio, Microphone, Fan Switch) to the corresponding headers on your motherboard. Refer to your motherboard's manual for specific header locations.

#### Activating the Touch Power Button

The GOLDEN FIELD Z3 features a unique touch-sensitive power button on the front panel. To enable this functionality, you must connect the provided dual 24-pin cable between your power supply and the motherboard's 24-pin socket. This connection is essential for the touch power button to operate.

Once connected, gently touch the power symbol on the front panel to power on or off your system.

# SMART TOUCH SWITCH

Change the traditional boot method, just touch



Tempered glass front panel  
touch button

Figure 7: The smart touch switch on the front panel, demonstrating the touch-sensitive power button.



Figure 8: A closer look at the touch-sensitive power and reset buttons on the case's front panel.

## Using the Fan Switch

The integrated fan switch on the top I/O panel allows for control of connected case fans. Refer to your fan's specific instructions for compatibility and operation with this switch.

## MAINTENANCE

### Cleaning

- Regularly clean any dust filters (if present) and internal components to maintain optimal airflow and cooling performance.
- Use compressed air to remove dust from fans, heatsinks, and other components.
- Wipe exterior surfaces with a soft, slightly damp cloth. Avoid using abrasive cleaners or solvents.

### Cable Management Review

Periodically inspect your internal cable routing to ensure no cables are obstructing airflow or interfering with fan operation. Re-route and secure any loose cables as needed.

## TROUBLESHOOTING

### System Does Not Power On (Touch Button)

**Issue:** The system does not respond when the touch power button is pressed.

**Solution:** Ensure the dual 24-pin cable is correctly connected between your power supply and the motherboard's 24-pin socket. This connection is essential for the touch power button to function. Verify all other power connections to the motherboard and components.

### Poor Airflow or Overheating

**Issue:** Components are running hot, or airflow within the case seems restricted.

**Solution:**

- Verify that all installed fans are spinning correctly and are oriented to provide proper intake and exhaust. Refer to the airflow diagram below.
- Ensure no cables or other obstructions are blocking fan blades or airflow paths.
- Clean any dust buildup on fans, radiators, and dust filters.

# EXCELLENT VENTILATION PERFORMANCE

Air intakes on both sides of the front  
Not only beautiful, but also has good heat dissipation effect

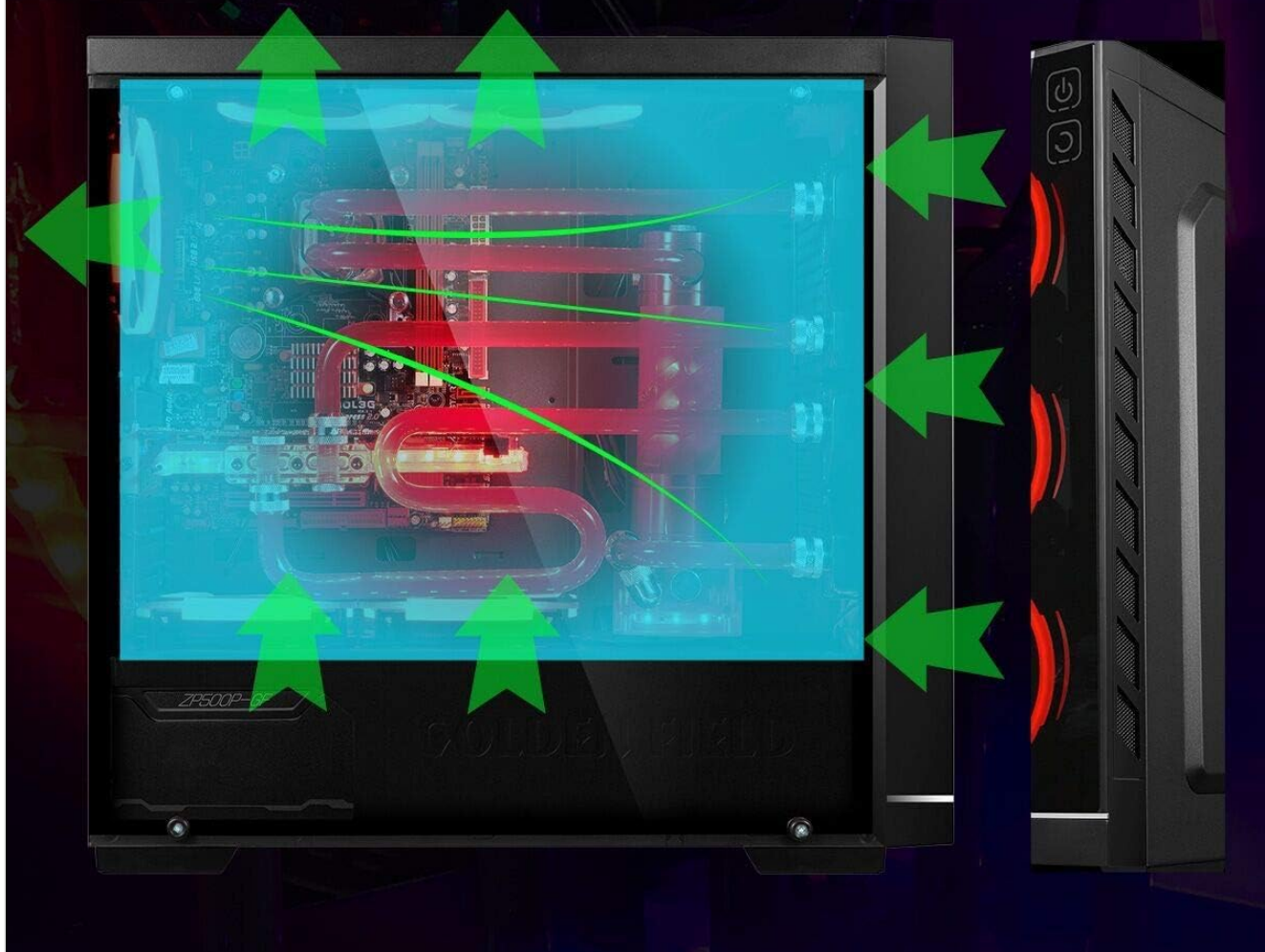


Figure 9: Airflow diagram illustrating recommended intake (green arrows) and exhaust (red arrows) paths for optimal ventilation.

## Front Panel I/O Not Functioning

**Issue:** USB ports, audio jacks, or the fan switch on the front panel are not working.

**Solution:** Check that all front panel I/O cables are securely connected to the correct headers on your motherboard. Consult your motherboard manual for specific header locations and pin assignments.

## WARRANTY AND SUPPORT

### Customer Support

For any questions or inquiries regarding your GOLDEN FIELD Z3 computer case, please contact GOLDEN FIELD customer support. We are committed to providing assistance and aim to resolve all issues within 24 hours.

### Warranty Information

Please retain your proof of purchase for any warranty claims. Specific warranty terms and conditions may vary by region. Contact GOLDEN FIELD customer support for detailed warranty information applicable to your purchase.

