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› Yoidesu ITX Motherboard Open Air Frame Computer Case User Manual

Yoidesu Yoidesuxto3i2s9gd

ITX Motherboard PC Computer Case User Manual

Model: Yoidesuxto3i2s9gd

INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your Yoidesu ITX Motherboard Open Air Frame Computer Case. Designed for PC enthusiasts and test bench users, this frame offers excellent heat dissipation and easy access to components for testing and modification. Please read this manual thoroughly before beginning assembly to ensure proper setup and safe operation.

PACKAGE CONTENTS

Before starting assembly, please verify that all components listed below are present in your package. If any parts are missing or damaged, please contact Yoidesu customer support.

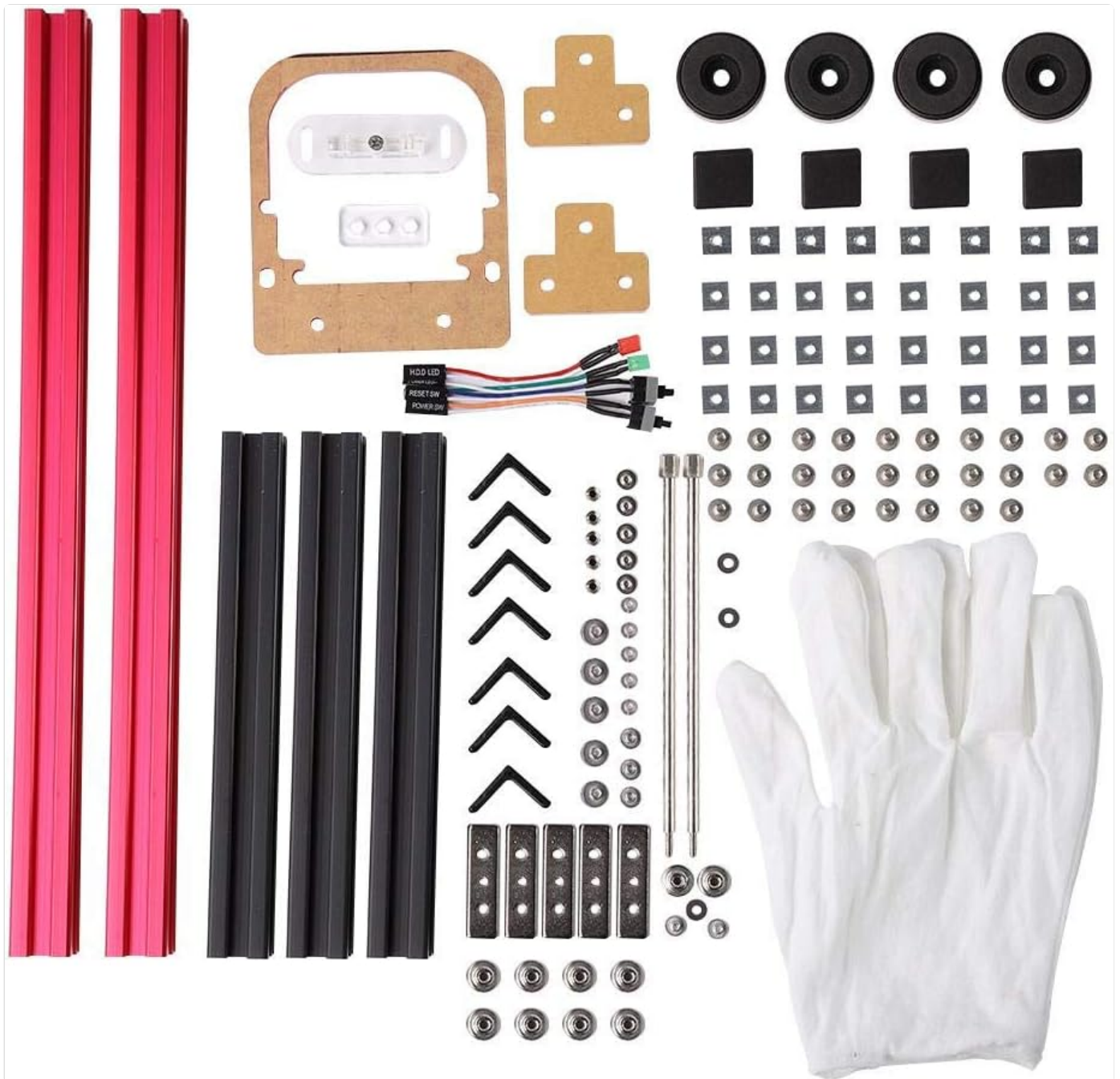


Figure 1: All components included in the package, such as aluminum profiles, mounting brackets, screws, standoffs, and a glove for handling.

- Red Aluminum Profiles (main frame)
- Black Aluminum Profiles (cross supports)
- Motherboard Standoffs and Screws
- Power Supply Mounting Brackets and Screws
- Graphics Card Support Brackets (optional, if included)
- Rubber Feet for Stability
- Power Button and Indicator LED Assembly
- Assembly Tools (e.g., small wrench, screwdriver - may vary)
- Protective Glove

SETUP AND ASSEMBLY

The Yoidesu ITX Motherboard Open Air Frame is designed for easy DIY assembly. Follow these steps carefully.

1. **Prepare the Workspace:** Ensure you have a clean, flat, and stable surface for assembly. It is recommended to wear the provided protective glove to prevent fingerprints and static discharge.
2. **Assemble the Main Frame:** Connect the red aluminum profiles to form the outer rectangular frame. Use the appropriate L-shaped brackets and screws to secure the corners.

Made of high-quality 20* 20 aluminum alloy, steady for use.



Figure 2: Initial assembly of the frame using the provided aluminum profiles and connectors.

3. **Install Cross Supports:** Attach the black aluminum profiles as cross supports within the main frame. These provide structural integrity and mounting points for components.
4. **Attach Rubber Feet:** Secure the rubber feet to the bottom of the frame. These feet provide stability and prevent scratching surfaces.



Figure 3: Various mounting hardware including brackets and rubber feet for the frame.

5. **Mount Motherboard Standoffs:** Install the motherboard standoffs onto the frame at the correct positions for your ITX motherboard.
6. **Install Power Button and LEDs:** Connect the power button and indicator LED assembly to the designated slot on the frame.
7. **Final Frame Check:** Ensure all screws are tightened and the frame is stable.



Figure 4: The fully assembled ITX Motherboard Open Air Frame, ready for component installation.

OPERATING INSTRUCTIONS

Once the frame is assembled, you can begin installing your computer components.

1. **Install Motherboard:** Carefully place your ITX motherboard onto the standoffs and secure it with screws.
2. **Mount Power Supply:** Attach your ATX power supply to the designated mounting area on the frame using the provided brackets and screws.
3. **Install Storage Drives:** Secure any SSDs or HDDs to the available mounting points.
4. **Install Graphics Card (Optional):** If using an independent graphics card, install it into the PCIe slot on your motherboard. Utilize the optional graphics card support accessories if needed for stability.
5. **Connect Cables:** Connect all necessary power cables from the PSU to the motherboard, GPU, and storage drives. Connect front panel headers (power button, LEDs) to your motherboard.
6. **Initial Power On:** Before connecting peripherals, perform a quick power-on test to ensure all components are receiving power and the system initiates.

Support ATX ordinary large power supply.

Open frame design has good heat dissipation performance.



Figure 5: A fully populated test bench demonstrating component placement and cable management.

The open-air design of this frame provides superior heat dissipation compared to traditional enclosed cases, making it ideal for testing, overclocking, and showcasing components.

MAINTENANCE

To ensure the longevity and optimal performance of your ITX Motherboard Open Air Frame, follow these maintenance guidelines:

- **Regular Cleaning:** Due to its open design, dust accumulation can occur. Periodically use compressed air to remove dust from components and the frame. Ensure the system is powered off and unplugged before cleaning.
- **Component Checks:** Regularly inspect all mounted components and cable connections to ensure they are secure.
- **Frame Integrity:** Occasionally check all screws and fasteners on the frame to ensure they remain tight.

TROUBLESHOOTING

If you encounter issues with your ITX Motherboard Open Air Frame setup, consider the following common troubleshooting steps:

- **System Not Powering On:**
 - Verify all power cables (24-pin ATX, 8-pin CPU, PCIe, SATA) are securely connected to the motherboard, GPU, and PSU.
 - Ensure the power button cable is correctly connected to the motherboard's front panel header.

- Check if the power supply switch is in the ON position.

- **No Display Output:**

- Confirm the monitor cable is securely connected to the graphics card (or motherboard if using integrated graphics).
- Reseat the graphics card in its PCIe slot.
- Ensure the graphics card has adequate power connected from the PSU.

- **Instability/Wobbling:**

- Check that all frame screws are tightened.
- Ensure the rubber feet are properly installed and making full contact with the surface.

For persistent issues, consult your component manuals or contact Yoidesu customer support.

SPECIFICATIONS

Feature	Detail
Brand	Yoidesu
Model Name	ITX Motherboard Test Bench
Item Model Number	Yoidesuxto3i2s9gd
Motherboard Compatibility	Mini ITX, M-ATX, ATX (with optional accessories)
Case Type	Open Air Frame / Test Bench
Material	Aluminum Alloy (20*20), Acrylic
Product Dimensions (LxWxH)	32.3 x 21.5 x 2.5 cm (12.72 x 8.46 x 0.98 inches)
Item Weight	0.91 Kilograms (2 pounds)
Power Supply Mounting Type	Rear Mount (Supports ATX ordinary large power supply)
Cooling Method	Air (Open Frame Design)
Recommended Uses	Gaming, General Purpose, Component Testing



Figure 6: Detailed dimensions of the assembled ITX Motherboard Open Air Frame.

WARRANTY AND SUPPORT

Yoidesu provides a **12-month quality guarantee** from the date of purchase, ensuring the product is free from damage or deformation. If you have any questions, require assistance with assembly, or encounter any issues during use, please do not hesitate to contact Yoidesu customer support. Our team is dedicated to providing excellent service and support. For support, please visit the [Yoidesu Store on Amazon](#) or refer to your purchase documentation for direct contact information.

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