

Yoqanr ATX Open Frame PC Test Bench (B0CD1S3HF5)

Yoqanr ATX Open Frame PC Test Bench Instruction Manual

Model: ATX Open Frame PC Test Bench (B0CD1S3HF5)

Brand: Yoqanr

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1. INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your Yoqanr ATX Open Frame PC Test Bench. Designed for enthusiasts and professionals, this test bench offers an open-air solution for PC component testing, showcasing, and water cooling setups. It supports ATX, Micro ATX, and Mini ITX motherboards.



Figure 1.1: Assembled Yoqanr ATX Open Frame PC Test Bench with components.

2. SAFETY INFORMATION

- Always disconnect power from all components before assembly or maintenance.
- Handle components with care to prevent damage from static electricity. Use an anti-static wrist strap if available.
- Ensure all screws are tightened securely, but do not overtighten to avoid stripping threads.
- Keep small parts and tools away from children.
- Place the test bench on a stable, level surface to prevent tipping.

- Avoid placing the test bench in areas with high humidity or extreme temperatures.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package before beginning assembly.



Figure 3.1: All components included in the package.

- Aluminum frame profiles
- Metal blue lamp power on key
- Screw bag with various fasteners
- Handle for portability
- Wall-mounted accessories (optional use)
- Motherboard standoffs and screws
- Power supply fixture (standard ATX, replaceable SFX)
- Hard disk (HDD/SSD) mounting brackets
- Graphics card fixed brackets (supports upward or downward installation)
- Water cooling mounting brackets (supports 120/240/360mm radiators)

4. ASSEMBLY INSTRUCTIONS

Follow these steps carefully to assemble your Yoqanr ATX Open Frame PC Test Bench. An assembly video is provided for visual guidance.

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Video 4.1: Assembly guide for the Yoqanr ATX Open Frame PC Test Bench. This video demonstrates the step-by-step process of constructing the frame and installing key components.

4.1. Frame Assembly

1. **Prepare Components:** Unpack all aluminum profiles and hardware. Identify the longer base profiles and shorter vertical support profiles.
2. **Assemble Base:** Attach the shorter vertical support profiles to the longer base profiles using the provided screws and T-nuts. Ensure they are securely fastened to form the base structure.
3. **Attach Vertical Uprights:** Connect the main vertical uprights to the assembled base. These will form the primary structure for mounting the motherboard and other components.
4. **Install Crossbars:** Secure the horizontal crossbars between the vertical uprights. These provide rigidity and mounting points.
5. **Mount Handle:** Attach the handle to the top crossbar for easy portability.



Figure 4.1: Dimensions of the assembled frame (17.3" x 11").

4.2. Component Installation

6. **Motherboard Installation:** Install the motherboard standoffs onto the frame at the appropriate positions for your ATX, Micro ATX, or Mini ITX motherboard. Carefully place the motherboard onto the standoffs and secure it with screws.
7. **Power Supply Installation:** Mount the ATX power supply using the designated fixture. If using an SFX power supply, replace the standard fixture with the SFX power supply fixture.
8. **Graphics Card Installation:** Attach the metal graphics card fixed bracket. The graphics card can be installed either upward or downward. The design accommodates various graphics card lengths.
9. **Storage Drive Installation:** Install up to two hard disk drives (HDDs) or solid-state drives (SSDs)

using the universal mounting points.

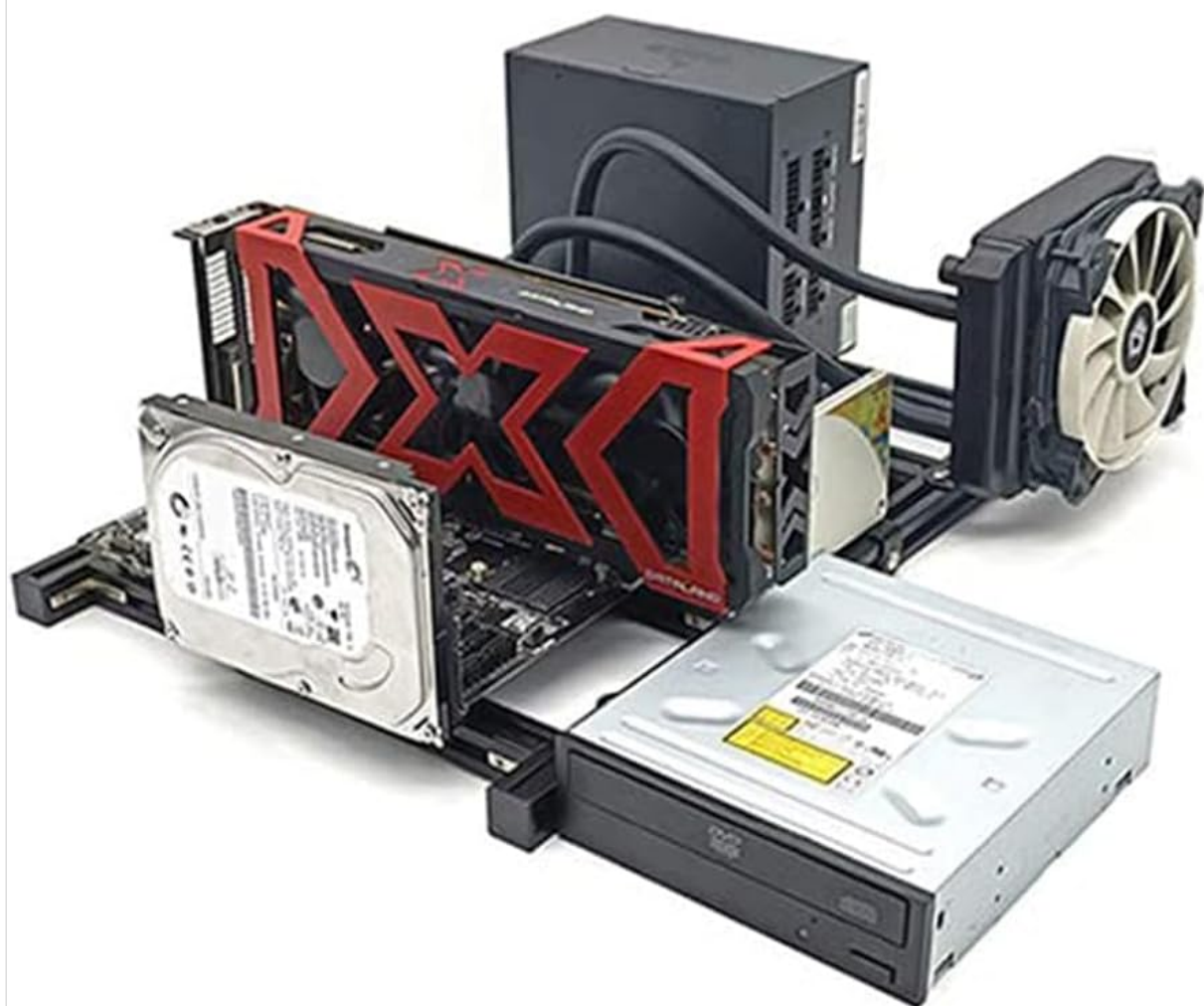
10. **Water Cooling Installation:** The test bench supports 120mm, 240mm, or 360mm water cooling radiators. Mount the radiator and fans using the appropriate brackets. Water cooling can be installed on the front, side, or back, or both sides.
11. **Optical Drive Installation:** If required, install an optical drive in the designated slot.



Figure 4.2: Side view of the test bench with a motherboard, graphics card, and AIO liquid cooler installed.



Figure 4.3: Angled view showing a complete setup with power supply and liquid cooling.



5. OPERATING INSTRUCTIONS

Once all components are securely installed and connected, follow these steps to operate your PC test bench:

1. **Connect Peripherals:** Connect your monitor, keyboard, mouse, and any other necessary peripherals to the motherboard's I/O ports or graphics card.
2. **Connect Power:** Plug the power supply unit (PSU) into a wall outlet. Ensure the PSU switch is in the "ON" position.
3. **Power On:** Press the metal blue lamp power on key located on the test bench. The system should initiate the boot process.
4. **System Testing:** Monitor component temperatures and performance during initial boot-up and under load to ensure stability.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your test bench and its components.

- **Cleaning:** Periodically clean the aluminum frame and components with a soft, dry cloth. For stubborn dust, use compressed air. Avoid liquid cleaners directly on electronic components.
- **Cable Management:** Keep cables tidy to improve airflow and prevent accidental disconnections.
- **Screw Check:** Occasionally check all screws and fasteners to ensure they remain tight.
- **Component Inspection:** Inspect fans, radiators, and other components for dust buildup or signs of wear.

7. TROUBLESHOOTING

This section addresses common issues you might encounter during assembly or operation.

- **System Does Not Power On:**
 - Ensure the power supply is connected to a working outlet and its switch is ON.
 - Verify all power cables (24-pin ATX, CPU, GPU) are securely connected to the motherboard and components.
 - Check the connection of the power on key to the motherboard's front panel headers.
- **No Display Output:**
 - Confirm the monitor is connected to the graphics card (not the motherboard's integrated graphics, unless no discrete GPU is present).
 - Reseat the graphics card in its PCIe slot.
 - Check that the graphics card has adequate power from the PSU.
- **Motherboard Mounting Issues:**
 - Ensure correct standoffs are used for your motherboard form factor (ATX, Micro ATX, Mini ITX).
 - If holes do not align perfectly, slight adjustments may be needed, or ensure you are using the correct mounting points for your specific board.

- **Loose Components:**
 - Double-check all screws and connections. The open frame design requires secure fastening of all parts.

8. SPECIFICATIONS

Feature	Detail
Model Name	Yoqanr ATX Open Frame PC Test Bench
Dimensions (LxWxH)	17.3 x 17.3 x 17.3 inches (44 x 28 cm for main frame)
Item Weight	3.16 pounds
Material	Aluminum, Metal
Motherboard Compatibility	ATX, Micro ATX, Mini ITX (up to 12"x9.6")
Power Supply Support	Standard ATX (replaceable SFX fixture)
Graphics Card Position	PCI-e x 1 (customized metal fixed, upward/downward installation, unlimited length)
Storage Drive Bays	2 (universal for SSD/HDD)
Optical Drive Bays	1
Water Cooling Support	120mm, 240mm, 360mm radiators (front/side/back/both)
USB Ports	2 x USB 2.0 (via front panel key)
Included Accessories	Power on key, screw bag, handle, wall-mounted accessories

9. WARRANTY AND SUPPORT

This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the product packaging or contact Yoqanr customer support.

For technical assistance, troubleshooting, or to inquire about replacement parts, please contact Yoqanr customer service through the retailer's platform or the official Yoqanr website.

Contact Information: Please refer to your purchase documentation or the Yoqanr brand store on Amazon for the most up-to-date support contact details.