HYXN H1

HYXN H1 ATX PC Case User Manual

Model: H1

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your HYXN H1 ATX PC Case. Please read this manual thoroughly before beginning installation to ensure proper setup and optimal performance of your system.



Image 1.1: The HYXN H1 ATX PC Case, showcasing its panoramic tempered glass panels and pre-installed ARGB fans.

2. Key Features

- **Dual-Chamber Design:** The HYXN H1 features a panoramic 270° wide-angle view with a dual-chamber structure, providing ample space for high-end configurations and efficient cable management. It includes two transparent tempered glass panels for clear visibility of internal components. Dimensions: 420mm (L) x 285mm (W) x 430mm (H).
- **Optimized Airflow:** Designed with vertical airflow, the case utilizes bottom and side panels for air intake, and top and rear panels for exhaust. This configuration enhances cooling performance and system efficiency.

Removable dust filters are located on the top and bottom to minimize dust accumulation.

- **Cooling System Compatibility:** The spacious interior supports up to two 360mm radiators simultaneously (top and side mounting options). It is compatible with CPU air coolers up to 170mm in height, allowing for robust liquid or air cooling solutions.
- **Pre-installed ARGB PWM Fans:** The case comes with seven pre-installed 120mm ARGB PWM fans: three reverse-blade fans at the bottom, three reverse-blade fans on the side, and one forward-blade fan at the rear. These fans use a daisy-chain connection for simplified cable management and can be controlled via motherboard software for customizable lighting and speed.
- **Spacious Internal Layout:** The H1 chassis is designed for flexible DIY builds, supporting ATX, M-ATX, and ITX motherboards. It accommodates GPUs up to 400mm (15.75 inches) and PSUs up to 200mm (7.87 inches). Storage options include one HDD and two SSD mounts, or three SSDs, along with seven expansion slots.
- **Front I/O Ports:** The front panel provides convenient access to 1x Type-C 3.0 port, 1x USB 3.0 port, 1x USB 2.0 port, and a combined Microphone/Audio jack, alongside the power button.



Image 2.1: Fan configuration with three reverse-blade fans at the bottom, three reverse-blade fans on the side, and one forward-blade fan at the rear.



Image 2.2: Vertical airflow design for enhanced cooling performance.

3. Setup and Installation

Follow these steps for installing your components into the HYXN H1 PC Case.

3.1 Preparing the Case

1. Place the case on a stable, flat surface.
2. Carefully remove the tempered glass side panels. The side glass can be quickly removed without tools for easy access to the system.

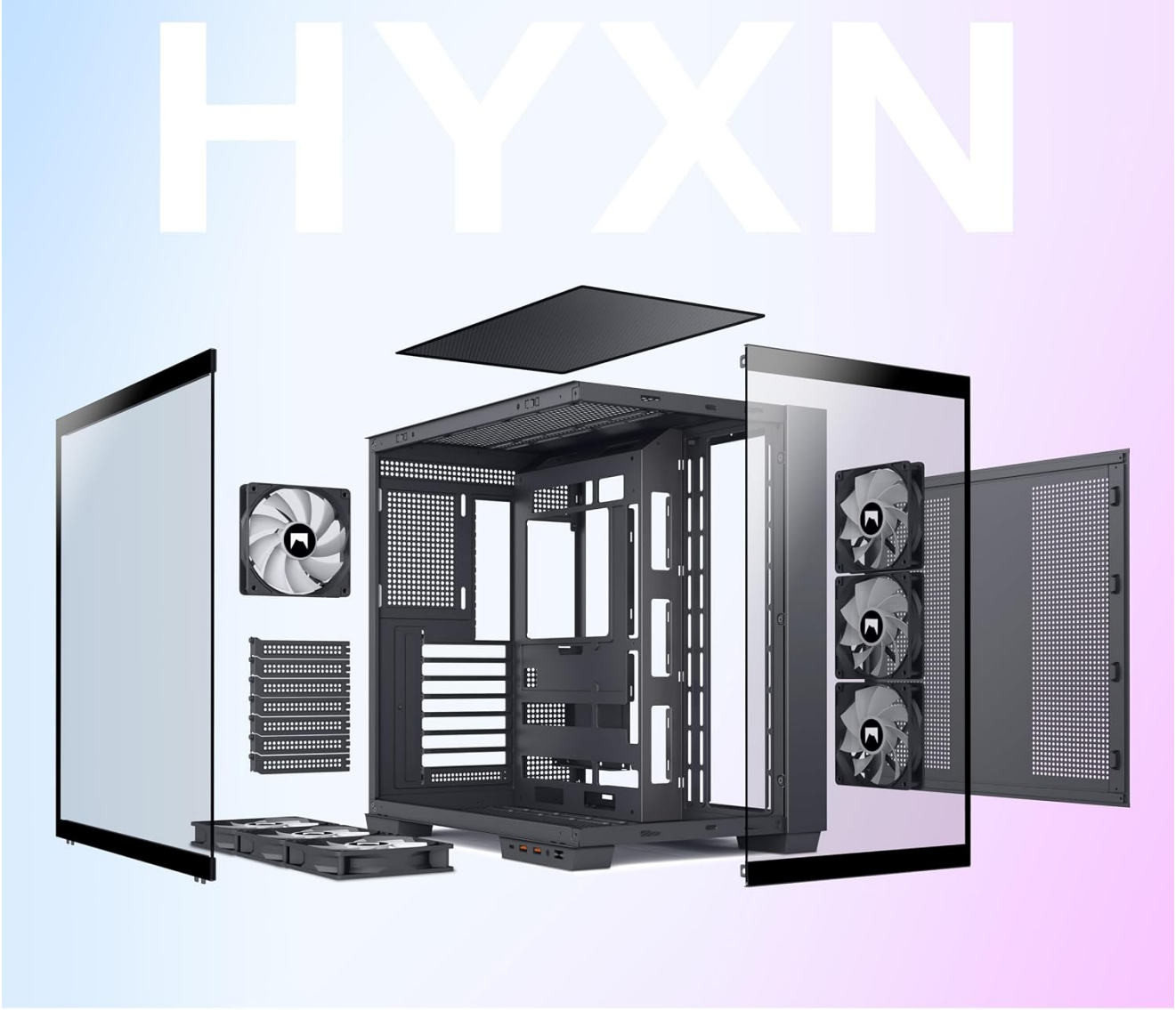

Image 3.1: Exploded view demonstrating removable panels for easy access.

3.2 Motherboard Installation

1. Install the necessary standoffs for your ATX, M-ATX, or ITX motherboard.
2. Carefully place your motherboard into the case, aligning it with the standoffs and I/O shield opening.
3. Secure the motherboard with screws.
4. Connect the front panel I/O cables (USB, audio, power switch) to the motherboard headers.

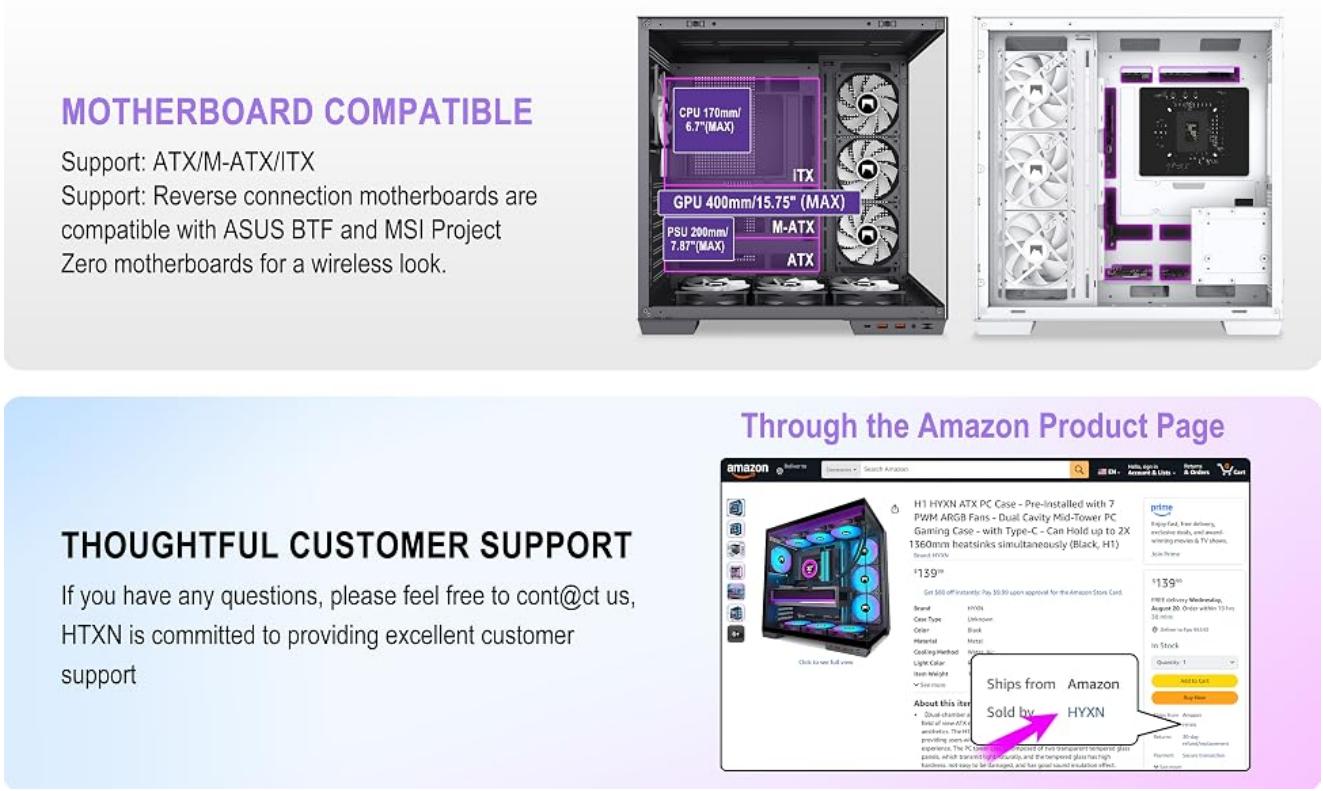

Image 3.2: Motherboard compatibility and component clearance.

3.3 Power Supply Unit (PSU) Installation

1. Install the PSU in the designated compartment, typically at the bottom rear of the case. The case supports PSUs up to 200mm (7.87 inches).
2. Secure the PSU with screws.
3. Route the necessary power cables to your motherboard and other components.



Image 3.3: Dual-chamber design for organized PSU and cable management.

3.4 Graphics Processing Unit (GPU) Installation

1. Remove the necessary PCI slot covers. The case features 7 independent PCI holders.
2. Insert your GPU into the PCIe slot on the motherboard. The case supports GPUs up to 400mm (15.75 inches).
3. Secure the GPU with screws.
4. Connect the appropriate power cables from the PSU to the GPU.

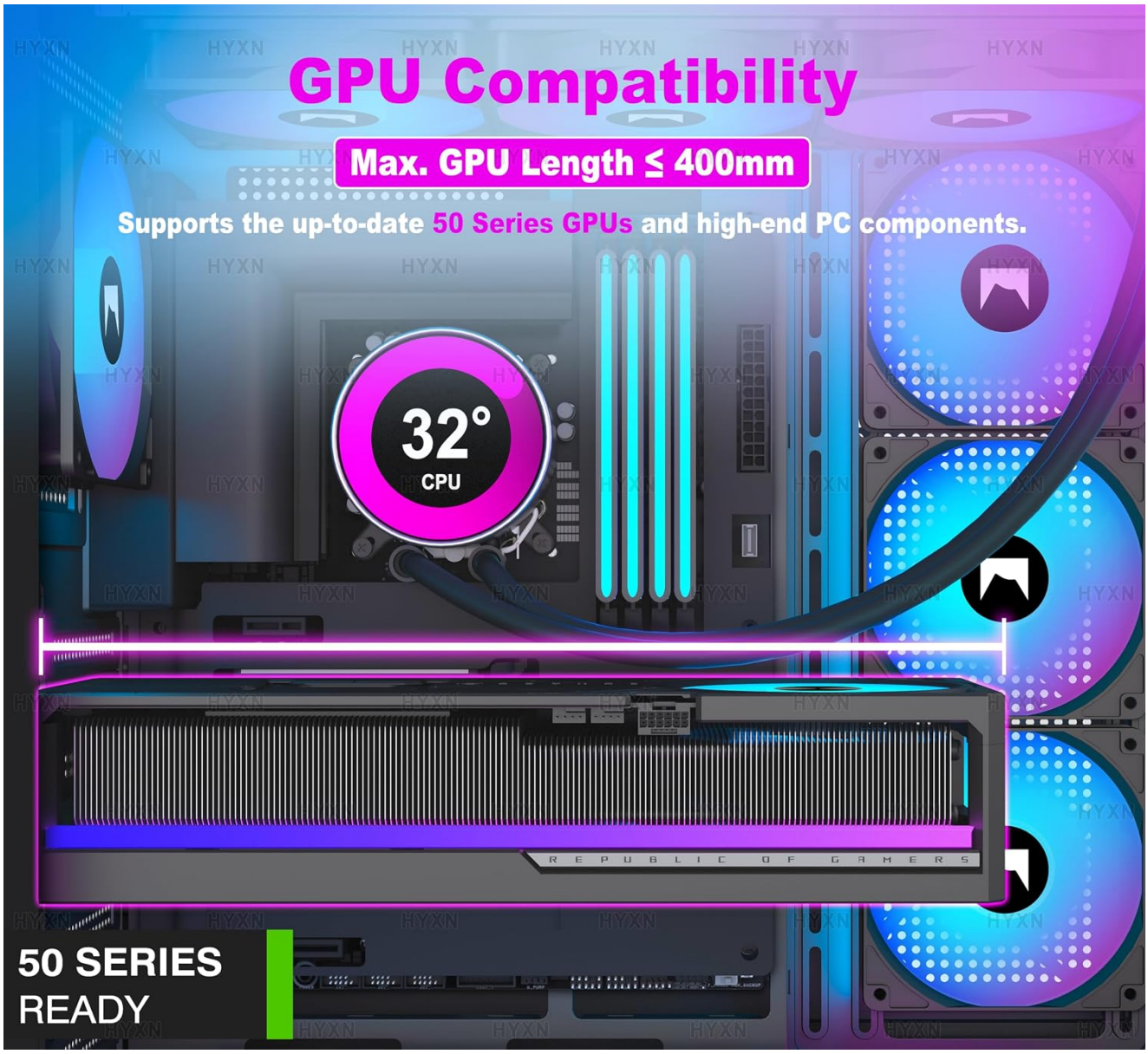

Image 3.4: GPU compatibility and installation area.

3.5 Storage Drive Installation

The case supports 1x HDD and 2x SSD mounts, or 3x SSDs.

1. Locate the drive bays in the secondary chamber.
2. Mount your SSDs or HDDs into the designated brackets.
3. Secure the drives and connect data and power cables.

3.6 Cooling System Installation (Optional)

The case supports various cooling configurations:

- **Radiators:** Up to two 360mm radiators can be installed simultaneously (top and side).
- **CPU Air Coolers:** Compatible with coolers up to 170mm in height.

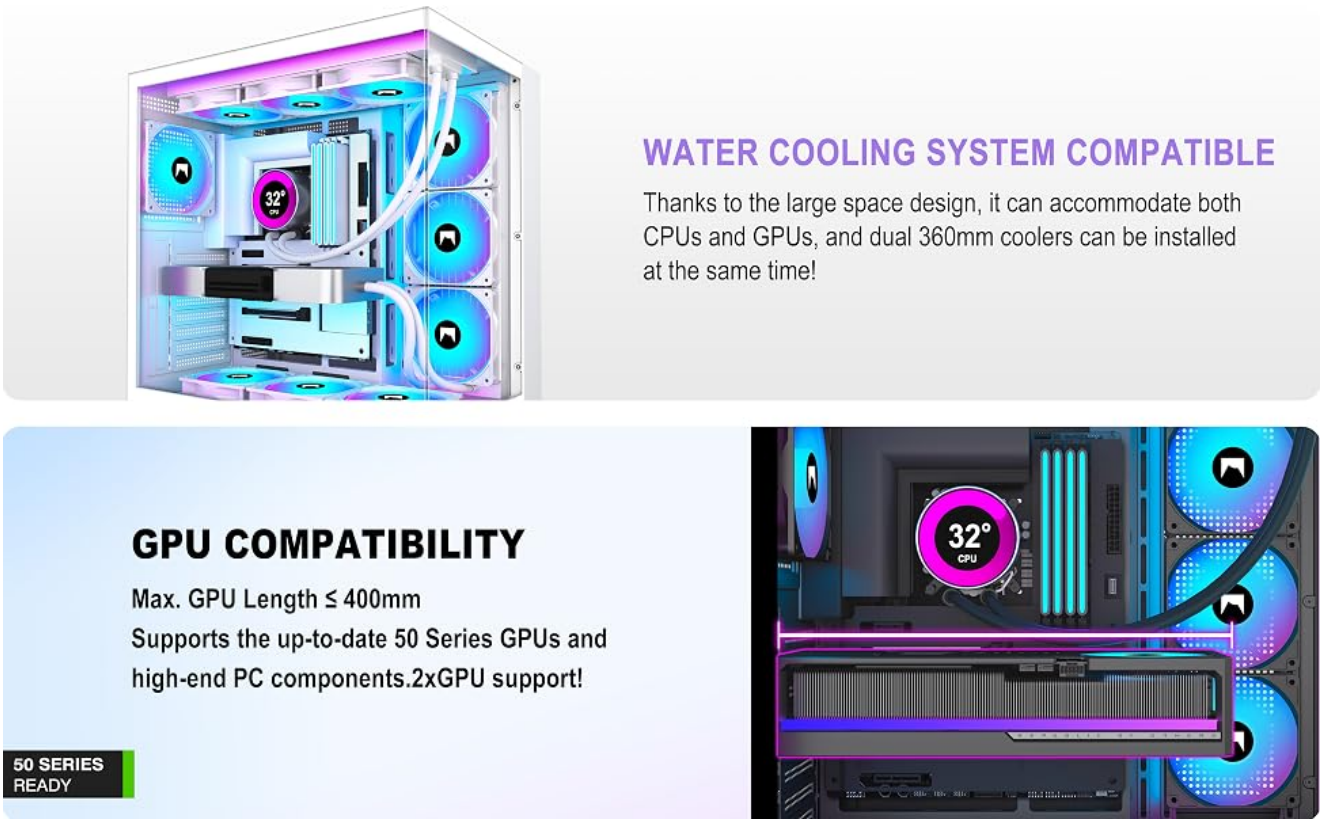

Image 3.5: Cooling system mounting options.

3.7 Cable Management

Utilize the dual-chamber design to route cables neatly behind the motherboard tray, ensuring optimal airflow and a clean aesthetic.

4. Operating Instructions

4.1 Powering On/Off

Press the power button located on the front I/O panel to turn your system on or off.



Image 4.1: Front I/O panel for convenient access.

4.2 ARGB Fan Control

The pre-installed ARGB PWM fans are connected via a daisy-chain method and can be controlled directly through your motherboard's software. Refer to your motherboard's manual for specific instructions on controlling ARGB lighting and fan speeds.

- Ensure the fan cables are properly connected to the motherboard's ARGB (5V 3-pin) and PWM headers.
- Use your motherboard's utility software to customize lighting effects and fan curves.



Image 4.2: ARGB fan connection diagram.

5. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your PC case and components.

5.1 Dust Filter Cleaning

The top and bottom panels are equipped with removable dust filters. Periodically remove and clean these filters to maintain optimal airflow and prevent dust buildup inside the case.

1. Gently slide out the dust filters.
2. Clean them using compressed air or by rinsing with water. Ensure they are completely dry before re-installing.

5.2 Tempered Glass Cleaning

Use a soft, lint-free cloth and a non-abrasive glass cleaner to clean the tempered glass panels. Avoid harsh chemicals that may damage the glass or coatings.

5.3 Fan Cleaning

Over time, dust may accumulate on fan blades. Use compressed air to gently clean the fan blades and grilles to maintain efficient cooling.

6. Troubleshooting

This section addresses common issues you might encounter with your PC case.

6.1 System Not Powering On

- **Check Power Connections:** Ensure the PSU is properly connected to the wall outlet and the power switch on the PSU is in the "ON" position. Verify all internal power cables (24-pin ATX, CPU, GPU) are securely

connected.

- **Front Panel Connections:** Confirm that the power button cable from the front I/O panel is correctly connected to the motherboard's front panel header.

6.2 Fans Not Spinning or RGB Not Working

- **Fan Connections:** Ensure all fan power cables (PWM) are securely connected to the motherboard fan headers.
- **ARGB Connections:** Verify that the ARGB cables are correctly connected to the motherboard's 5V 3-pin ARGB headers. Incorrect connection to 12V RGB headers can damage the LEDs.
- **Motherboard Software:** Check your motherboard's software for fan speed and RGB lighting control settings. Ensure they are not disabled or set to a static off state.

6.3 Poor Airflow or High Temperatures

- **Dust Filters:** Clean the dust filters on the top and bottom panels.
- **Fan Orientation:** Ensure fans are oriented correctly for optimal airflow (intake from bottom/side, exhaust from top/rear).
- **Cable Management:** Improve cable routing to reduce obstructions to airflow.

7. Specifications

Feature	Specification
Brand	HYXN
Model Name	H1
Case Type	Mid Tower
Color	Black
Material	Metal, Plastic, Tempered Glass
Item Dimensions (D x W x H)	16.5"D x 11.2"W x 17.3"H (420mm x 285mm x 430mm)
Item Weight	11 Pounds
Motherboard Compatibility	ATX, Micro ATX, Mini ITX
GPU Length Support	Up to 400mm (15.75")
PSU Length Support	Up to 200mm (7.87")
CPU Cooler Height Support	Up to 170mm
Radiator Support	Top: 360mm/280mm/240mm/120mm; Side: 360mm/280mm/240mm/120mm; Bottom: 360mm/280mm/240mm/120mm
Pre-installed Fans	7x 120mm ARGB PWM Fans (3x bottom reverse, 3x side reverse, 1x rear forward)
Cooling Method	Air, Water

Feature	Specification
Storage Bays	1x HDD, 2x SSD (or 3x SSD)
Expansion Slots	7
Front I/O Ports	1x Type-C 3.0, 1x USB 3.0, 1x USB 2.0, 1x Microphone/Audio, Power Button
Special Features	Built-In Fan, Dust Filter, RGB Lighting, Dual-Chamber Design, Tempered Glass Panels



Image 7.1: Internal dimensions and component clearance overview.



Image 7.2: External dimensions of the H1 case.

8. Warranty and Support

HYXN is committed to providing excellent customer support. If you encounter any issues with your HYXN H1 PC Case, please contact the seller directly through the platform where you purchased the product. The product quality is guaranteed.

For further assistance, refer to the contact information provided with your purchase or visit the official HYXN support channels.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question