

Phanteks PH-ES916E_BK

Phanteks Enthoo Elite Extreme Full Tower Chassis

Model: PH-ES916E_BK

1. PRODUCT OVERVIEW

The Phanteks Enthoo Elite is a premium full tower chassis designed for high-performance PC builds, offering extensive customization options and superior cooling capabilities. It features a robust aluminum exterior and a tool-less tempered glass window, providing both durability and aesthetic appeal.

Key Features:

- **4mm Sand-Blasted Aluminum Exterior:** Provides a sleek, durable finish.
- **Tool-less 4mm Tempered Glass Window:** Offers easy access to internal components and showcases your build.
- **Clean Interior with Aluminum Covers:** Hides the PSU and cables for a tidy appearance.
- **Ambient RGB Illumination:** Integrated lighting with compatibility for MSI Mystic Light and Asus Aura.
- **Tri-Chamber Design:** Separates the PSU, storage/cooling, and main chambers for optimized thermal management.
- **Full Size GPU Support:** Accommodates large graphics cards, including vertical mounting options.
- **Front I/O with Dual System Support:** Convenient connectivity and capability for two independent systems.
- **Convenient Installation:** Designed for ease of assembly, including radiator installation in an upright position.
- **35mm Cable Management Space:** Ample room behind the motherboard tray, complemented by Phanteks' Velcro cable ties.
- **2x Phanteks PWM Hubs:** For centralized fan control.
- **Multifunctional Cable Cover:** Enhances cable routing and aesthetics.
- **Swappable Panels:** Allows customization for performance or silent operation.
- **Support Dual System (ITX)/Dual PSU:** Advanced configurations for power users.



Figure 1: Overall view of the Phanteks Enthoo Elite Extreme Full Tower Chassis.

2. SETUP AND INSTALLATION

This section provides general guidance for setting up your Phanteks Enthoo Elite chassis. For detailed component-specific instructions, please refer to the manuals provided with your individual PC components.

2.1 Opening the Chassis

The tempered glass side panel is designed for tool-less access. Gently open the panel to access the interior. The aluminum side panels can also be removed for full access during installation.



Figure 2: Interior view with the tempered glass side panel open, showing the spacious layout.

2.2 Motherboard Installation

The chassis supports EEB, E-ATX, ATX, Micro-ATX, and Mini-ITX motherboards. Install your motherboard onto the pre-installed standoffs. Ensure all screws are tightened securely.

2.3 Storage Device Installation

The Enthoo Elite offers extensive storage options, including 13x 3.5" HDD locations and 6x SSD locations. Utilize the dedicated bays and mounting points for secure installation of your hard drives and solid-state drives.

2.4 Power Supply Installation

The chassis supports dual power supply units (PSUs) or a single PSU with a power splitter for dual system configurations. Install the PSU(s) in the designated compartment, ensuring proper cable routing.

2.5 Cooling System Setup

The Enthoo Elite is optimized for advanced cooling solutions, including extensive water cooling support. It can accommodate up to 560mm radiators (4x 140mm) in various locations (top, front, side, midplate, bottom). The convenient radiator installation allows for upright positioning. The chassis also includes two Phanteks PWM Hubs for fan management.

2.6 Cable Management

Utilize the 35mm cable management space behind the motherboard tray and the included Velcro cable ties to organize your cables. The multifunctional cable cover further assists in maintaining a clean and efficient interior airflow.



Figure 3: Exploded view illustrating the modular design and component placement options.

3. OPERATING INSTRUCTIONS

3.1 Front I/O Panel

The front I/O panel provides convenient access to essential ports and controls:

- **Power Button:** To power on/off your system.
- **USB 3.0 Ports:** For high-speed data transfer with compatible devices.
- **Audio Jacks:** For headphones and microphone.
- **RGB Control Button:** To cycle through various ambient RGB illumination modes.



Figure 4: Close-up of the front I/O panel, showing USB ports and control buttons.

3.2 RGB Illumination

The integrated ambient RGB illumination can be controlled via the front I/O button or synchronized with compatible motherboard software such as MSI Mystic Light and Asus Aura. Refer to your motherboard's manual for specific software control instructions.

3.3 Swappable Panels

The chassis features swappable panels that allow you to optimize for either performance (maximum airflow) or silent operation. Consult the chassis assembly guide for instructions on how to swap these panels.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your chassis and components.

4.1 Cleaning

- **Exterior:** Use a soft, damp cloth to wipe down the aluminum exterior. Avoid abrasive cleaners.
- **Tempered Glass:** Clean with a microfiber cloth and a glass cleaner.
- **Dust Filters:** Periodically remove and clean the dust filters to maintain optimal airflow and prevent dust buildup inside the chassis.

4.2 Fan Maintenance

Ensure that all fans (case fans, CPU cooler fans, GPU fans) are free from dust and obstructions. Clean them gently with compressed air or a soft brush.

5. TROUBLESHOOTING

If you encounter issues with your chassis, consider the following common troubleshooting steps:

- **No Power:** Verify all power connections, including the PSU, motherboard 24-pin, and CPU power cables. Ensure the power button cable is correctly connected to the motherboard.
- **Overheating:** Check fan connections and ensure they are spinning. Clean dust filters and ensure proper airflow paths. Verify that CPU and GPU coolers are correctly installed.
- **Front I/O Not Working:** Confirm that all front I/O cables (USB, audio, power/reset switches) are securely connected to the correct headers on your motherboard.
- **RGB Lighting Issues:** Check the RGB cable connections. If using motherboard software, ensure it is up-to-date and configured correctly.

For persistent issues, consult the Phanteks support website or your component manufacturers' documentation.

6. SPECIFICATIONS

Feature	Specification
Brand	Phanteks
Model Name	PH-ES916E_BK

Case Type	Full Tower
Material	Steel chassis Tempered glass
Color	Black
Motherboard Compatibility	EEB E-ATX ATX Micro-ATX Mini-ITX
Item Weight	72 pounds
Product Dimensions (LxWxH)	24.2 x 10.6 x 29.5 inches
Number of USB 3.0 Ports	2
Number of USB 2.0 Ports	2
Power Supply Mounting Type	Rear Mount
Cooling Method	Air

7. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: An overview of the Phanteks Enthoo Elite chassis, demonstrating its features, modularity, and water cooling capabilities.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Phanteks website or contact their customer service directly. Keep your proof of purchase for any warranty claims.