Antec C5 ARGB

Antec C5 ARGB Mid-Tower ATX PC Case User Manual

Model: C5 ARGB | Brand: Antec

1. PRODUCT OVERVIEW

The Antec C5 ARGB is a mid-tower ATX PC case designed for high-performance builds, featuring a full-view tempered glass design and extensive cooling capabilities. It includes seven pre-installed ARGB PWM fans and a built-in fan controller, offering both aesthetic appeal and efficient thermal management. The dual-chamber design provides optimized space for components and cable management.

Image: The Antec C5 ARGB PC case showcasing its full-view tempered glass panels and internal components with vibrant ARGB lighting.

2. Key Features

- **Full-View Tempered Glass:** Seamless edge design on front and side panels for an uninterrupted panoramic view.
- **Dual Chamber Design:** Separates the main components (CPU/GPU) from the power supply and drives for improved cooling and cable management.
- **Back-Connect Motherboard Support:** Compatible with next-gen back-connect motherboards for a cleaner internal look and optimized airflow.
- **Pre-Installed ARGB PWM Fans:** Comes with 7 x 120mm ARGB PWM fans, including 6 reverse fans for massive air intake.
- **Built-In ARGB & PWM Fan Controller:** Allows for easy control of lighting effects and fan speeds, either via a dedicated LED button or synchronized with the motherboard.

- **Extensive Cooling Support:** Supports up to 10 fans simultaneously and accommodates 360mm radiators at the top and bottom, and a 280mm radiator on the side.
- **High Compatibility:** Supports E-ATX, ATX, M-ATX, and ITX motherboards, CPU coolers up to 160mm, and GPUs up to 410mm.

270° FULL-VIEW TEMPERED GLASS

Tempered glasses adopt the seamless paneling design with unique 45° beveling technique that makes the minimal joint gap, delivering an uninterrupted panoramic view.
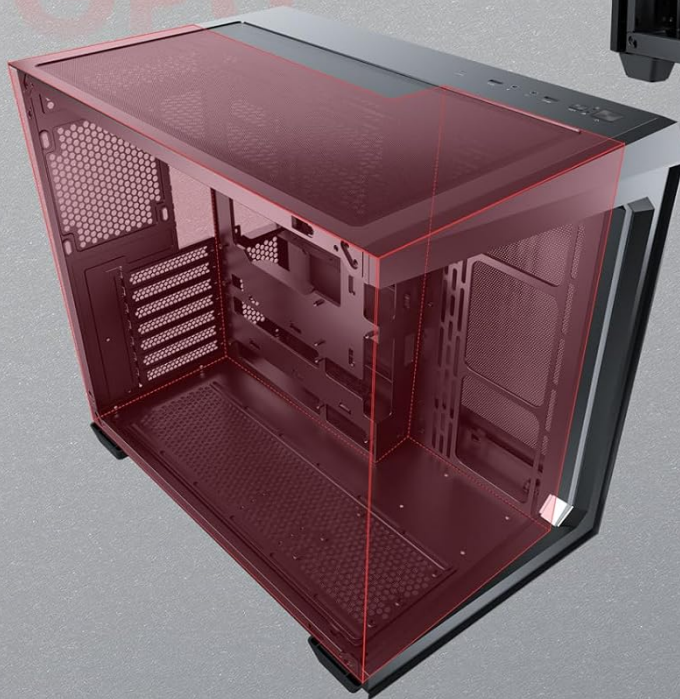
▲ *45° glass beveling technique*

Image: Illustration of the 270-degree full-view tempered glass design with a detailed inset showing the 45-degree glass beveling technique.

DUAL CHAMBER

Dual chamber design for independent cooling, with the right chamber featuring top-mounted power supply and 95mm cable management space
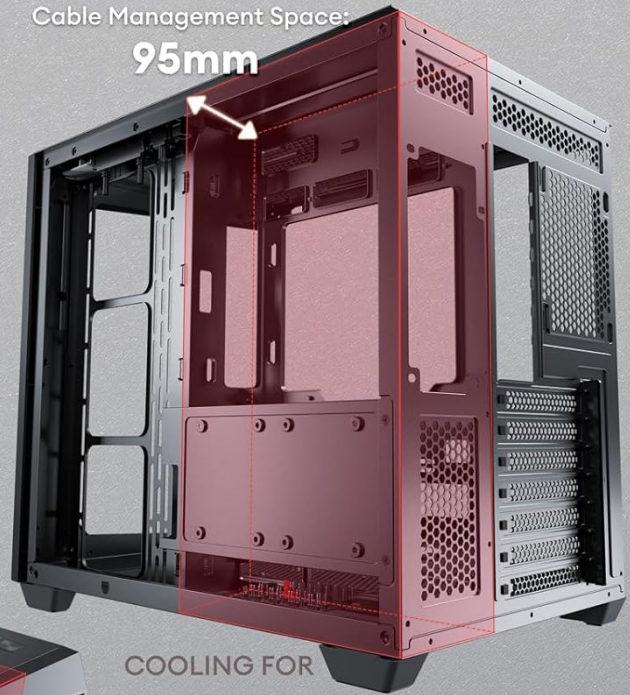
Cable Management Space: **95mm**

COOLING FOR
CPU/GPU

COOLING FOR
PSU/DRIVES

Image: Diagram illustrating the dual-chamber design, separating the CPU/GPU area from the PSU/drive area, highlighting the 95mm cable management space.

3. COMPONENTS AND PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- Antec C5 ARGB Mid-Tower PC Case
- 7 x 120mm ARGB PWM Fans (6 reverse, 1 regular)
- Built-in ARGB & PWM Fan Controller Hub
- Accessory Box (screws, cable ties, user manual)

PRE-INSTALLED **7x ARGB PWM** FANS WITH BUILT-IN FAN CONTROLLER

6 reverse fans on the side and bottom provide massive air intake.

ARGB & PWM fan controller
Lighting effects could be switched by LED button or synchronized with motherboard.

1 X P12
120mm ARGB PWM regular fan

3 X P12 Reverse
120mm ARGB PWM fans

3 X P12 Reverse
120mm ARGB PWM fans

Image: Visual representation of the pre-installed 7 ARGB PWM fans and the integrated ARGB & PWM fan controller.

4. SETUP AND INSTALLATION

Before starting, ensure you have a clean, static-free workspace. Refer to your motherboard and component manuals for specific installation instructions.

4.1 Removing Panels

The tempered glass front and side panels are designed for tool-free removal. Gently pull the panels away from the chassis to detach them. Exercise caution as glass is fragile.

Image: The Antec C5 ARGB case with its front and side tempered glass panels opened, demonstrating the tool-free design.

4.2 Motherboard Installation

Install your E-ATX, ATX, M-ATX, or ITX motherboard into the main chamber. For back-connect motherboards, ensure all necessary cables are routed through the rear cutouts before securing the motherboard.

SUPPORT BACK-CONNECT MOTHERBOARDS

C5 ARGB supports next-gen back-connect motherboards. Plug in the cables from the back to give the front a cleaner look and a smoother airflow channel.

Supported models:
ASUS TUF B760M-BTF WIFI D4,
ASUS TX GAMING B760-BTF WIFI,
ASUS DIY-APE B760 REVOLUTION,
MSI B760M PROJECT ZERO,
MSI B650M PROJECT ZERO,
Colorful CVN B760M FROZEN WIFI V20,
and more to come.

Image: Rear view of the Antec C5 ARGB chassis highlighting the cutouts for back-connect motherboards, allowing for cleaner cable routing.

4.3 Power Supply and Storage Installation

The power supply unit (PSU) is mounted in the top compartment of the dual-chamber design. The removable hard drive cage provides space for 1 x 3.5" HDD and 2 x 2.5" SSDs. Additional storage can be mounted by removing specific fans.

STORAGE COMPATIBILITY

Removable hard drive cage provides space for 1 x 3.5" HDD and 2 x 2.5" SSD.

The case bottom can additionally accommodate a 3.5" HDD after removing the frontmost bottom fan, or a 2.5" SSD after removing the lowest side fan.
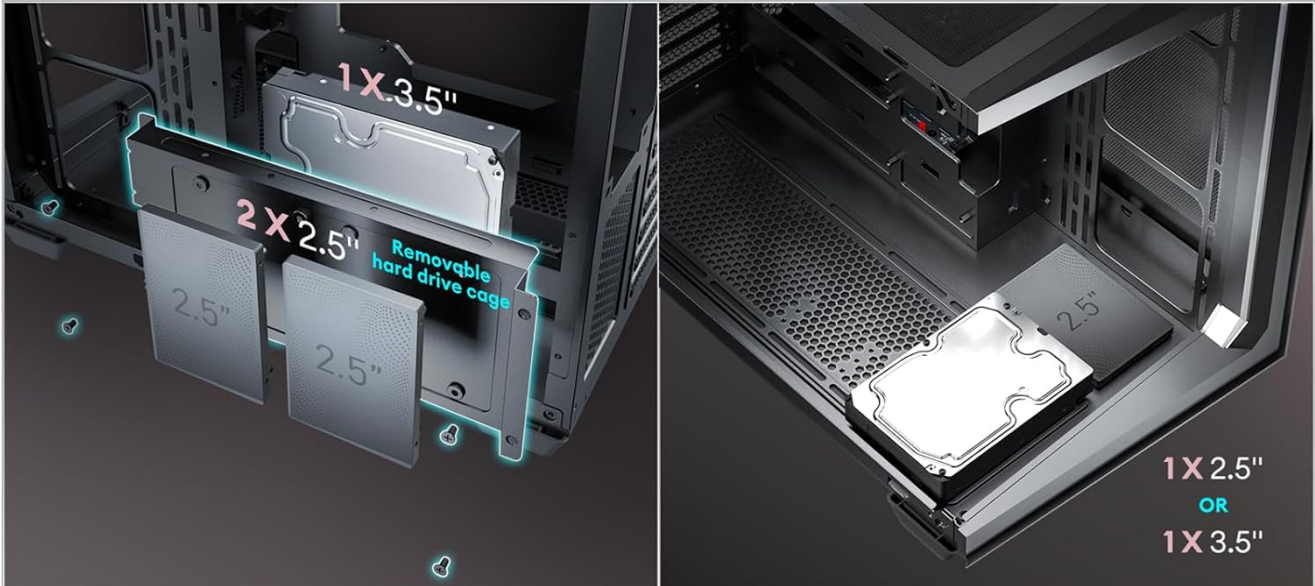

Image: Diagrams showing the removable hard drive cage for 3.5" HDD and 2.5" SSDs, and alternative mounting options for storage drives.

4.4 Cooling System Installation (Fans & Radiators)

The case supports various fan and radiator configurations:

- **Fan Support:**

  - Top: 3 x 120mm or 2 x 140mm
  - Rear: 1 x 120mm
  - Side: 3 x 120mm or 2 x 140mm
  - Bottom: 3 x 120mm

- **Radiator Support:**

  - Top: Up to 360mm
  - Side: Up to 280mm
  - Bottom: Up to 360mm

Ensure proper clearance for radiators and fans. Total thickness of radiator and fans on the side should be less than 75mm. For push-pull radiators on top, memory height should be less than 35mm.

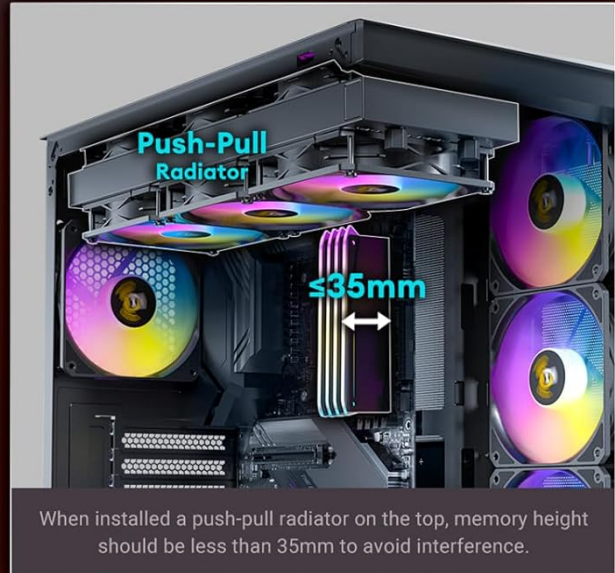Image: Diagrams detailing the fan and radiator support locations and sizes within the Antec C5 ARGB case.

Image: Illustrations showing the maximum clearance for side-mounted radiators (75mm total thickness) and top-mounted push-pull radiators (35mm memory height).

4.5 Graphics Card Installation

The case supports graphics cards up to 410mm in length. Ensure adequate space and proper power connections.

Image: Internal view of the case indicating support for graphics cards up to 410mm in length, compatible with RTX 40 series.

5. OPERATING INSTRUCTIONS

5.1 I/O Panel Functions

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

- **Power Button:** To power on/off the system.
- **LED Control Button:** Cycles through ARGB lighting modes or synchronizes with motherboard software.
- **USB 3.0 Ports (x2):** For high-speed data transfer.
- **HD-Audio (Headphone/Microphone):** For audio input and output.
- **Type-C 3.2 Gen 2 Port:** For ultra-fast data transmission with compatible devices.
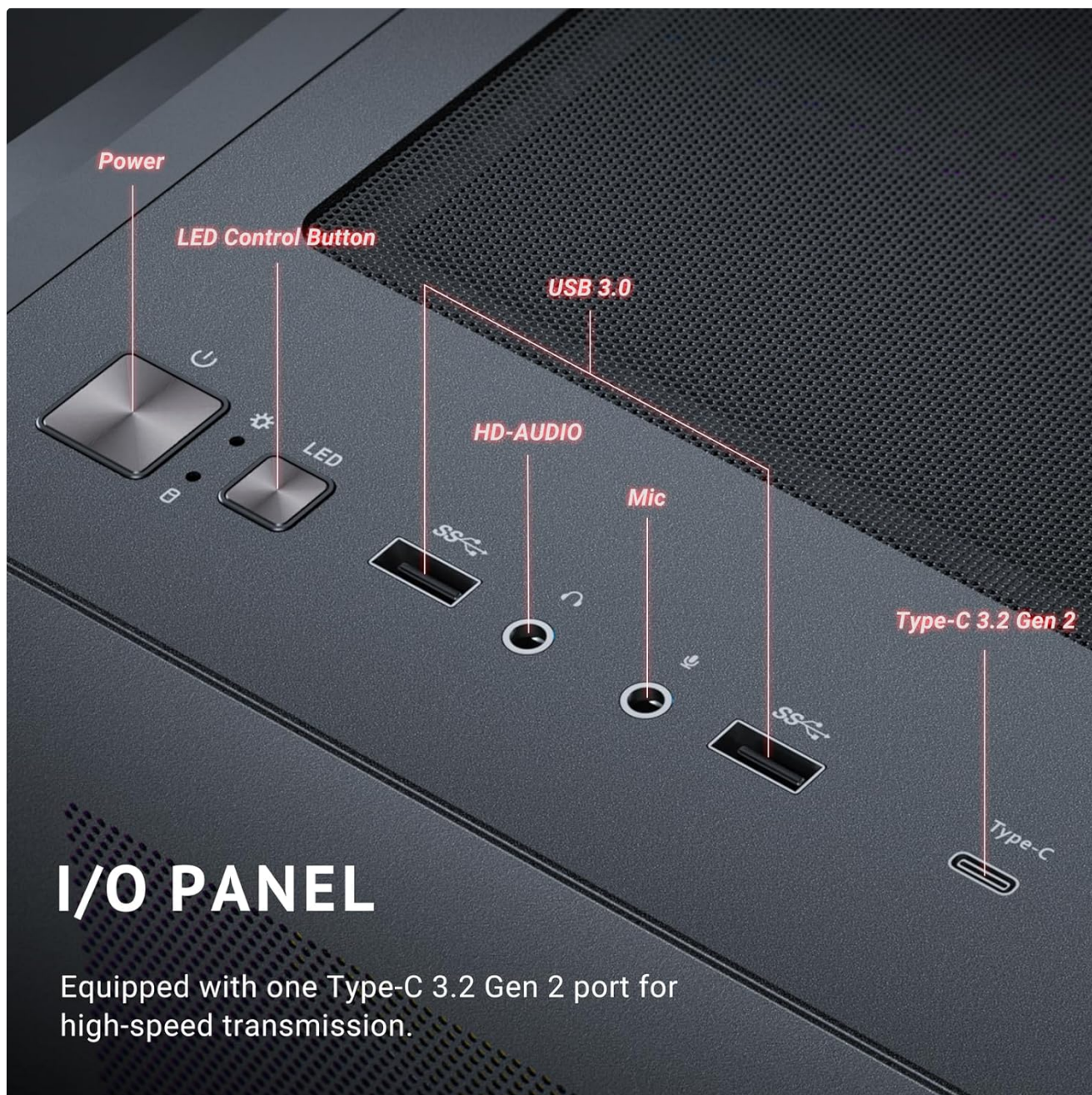
Image: Close-up view of the top I/O panel, labeling the Power button, LED Control button, USB 3.0 ports, HD-Audio jacks, and the Type-C 3.2 Gen 2 port.

5.2 ARGB Lighting Control

The pre-installed ARGB fans and lighting strip can be controlled via the dedicated LED button on the I/O panel. Press the button to cycle through various lighting effects. For advanced customization and synchronization with other components, connect the ARGB controller to your motherboard's ARGB header and use the motherboard's lighting software.

6. MAINTENANCE

6.1 Dust Filter Cleaning

The Antec C5 ARGB case is equipped with magnetic dust filters on the top and bottom for easy removal and cleaning. Regularly clean these filters to maintain optimal airflow and prevent dust buildup inside the case.

- Gently pull the magnetic dust filters to remove them.
- Clean the filters using compressed air or by rinsing them with water. Ensure they are completely dry before

reattaching.

- Align the filters with their respective openings and allow the magnets to secure them in place.

Image: View of the top and bottom magnetic dust filters, showing their easy removal for cleaning.

6.2 General Cleaning

Use a soft, damp cloth to wipe down the exterior of the case. For tempered glass panels, use a glass cleaner and a microfiber cloth to avoid streaks. Avoid abrasive cleaners or solvents.

7. SPECIFICATIONS

Category	Specification
Model Name	C5 ARGB
Case Type	Mid Tower
Dimensions (LxWxH)	15.74 x 18.46 x 11.22 inches

Weight	16.72 pounds
Material	Tempered Glass
Motherboard Compatibility	E-ATX, ATX, M-ATX, ITX
CPU Cooler Max Height	≤ 160 mm
GPU Max Length	≤ 410 mm
PSU Max Length (incl. cables)	≤ 240 mm
Pre-installed Fans	7 x 120mm ARGB PWM Fans
I/O Ports	2 x USB 3.0, 1 x Type-C 3.2 Gen 2, HD-Audio, Power, LED Control
Cooling Method	Air, Water
Light Color	Multiple colors (ARGB)

EXTENSIVE INTERIOR

- Motherboard support   **ATX, Micro-ATX, ITX**
- CPU cooler max height   **≤ 160 mm**
- GPU max length   **≤ 410 mm**

- Power Supply max length   **(Include cable) ≤ 240mm**
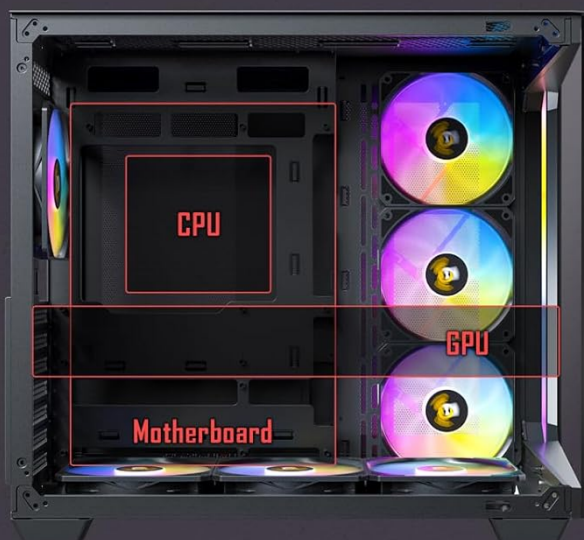
Image: Diagram illustrating the extensive interior, showing maximum dimensions for CPU cooler height, GPU length, and power

supply length.

8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

8.1 Fans Not Spinning / ARGB Not Lighting Up

- **Check Connections:** Ensure all fans are properly connected to the built-in fan controller. Verify the controller is connected to a SATA power cable from your PSU and to a fan header/ARGB header on your motherboard (if using motherboard control).
- **LED Button:** Press the LED control button on the I/O panel to cycle through lighting modes.
- **Motherboard Software:** If connected to the motherboard, ensure your motherboard's ARGB software is installed and configured correctly.

8.2 Poor Airflow / High Temperatures

- **Clean Dust Filters:** Regularly clean the magnetic dust filters on the top and bottom of the case.
- **Fan Orientation:** Verify that the fans are oriented correctly for optimal airflow (intake and exhaust). The pre-installed fans are set up for efficient bottom-to-top vertical airflow.
- **Cable Management:** Ensure cables are neatly managed in the dual chamber to avoid obstructing airflow.

8.3 Front I/O Ports Not Functioning

- **Check Motherboard Connections:** Ensure the front panel connectors (USB 3.0, Type-C, HD-Audio, Power, Reset/LED) are securely connected to the correct headers on your motherboard.
- **Driver Installation:** For USB 3.0 and Type-C ports, ensure the necessary motherboard drivers are installed.

9. WARRANTY AND SUPPORT

Antec products are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Antec website. For technical support, product inquiries, or replacement parts, please contact Antec customer service through their official channels.

Official Antec Website: www.antec.com

Related Documents - C5 ARGB
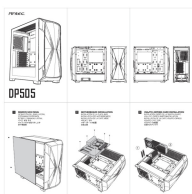
[Antec DP505 PC Case - Gaming Mid Tower with EATX Support](#)
Antec DP505 is a white gaming mid-tower PC case featuring EATX support, Type-C Gen2, ARGB fans, PWM control, radiator support, GPU bracket, and tempered glass.

	[Antec NX292 ATX Gaming PC Case - Manual and Overview](#) User manual and overview for the Antec NX292 ATX mid-tower gaming PC case, highlighting its features like fixed RGB fans and tempered glass side panel, along with storage support for HDD and SSD.
	[Antec NX291 ATX Tower Gaming Case - User Manual](#) User manual and product overview for the Antec NX291 ATX Tower gaming case, detailing its features such as fixed mode RGB fans, tempered glass side panel, and budget-friendly design.
	[Antec C7 ARGB Mid-Tower Case Installation Guide](#) Comprehensive guide for installing components into the Antec C7 ARGB Mid-Tower Case, covering side panel removal, motherboard, power supply, hard drive, liquid cooling, and fan installations.
	[Antec C5 ARGB Mid-Tower Case Installation Guide](#) An informative guide detailing the installation process for the Antec C5 ARGB Mid-Tower Case, covering component mounting and connections.
	[Antec NX410 ATX Mid-Tower PC Case - Installation Manual and Overview](#) A comprehensive guide to the Antec NX410 ATX mid-tower computer case, covering specifications, features, and detailed installation instructions for PC builders. Learn how to assemble your system with this informational manual.