Lian Li LANCOOL 216-X

Lian Li Lancool 216 Mid-Tower PC Case Instruction Manual (Non-RGB)

Model: LANCOOL 216-X

Setup	Operating	Maintenance	Troubleshooting	Specifications	Warranty & Support

1. SETUP

1.1 Unboxing and Initial Inspection

Carefully remove the Lian Li Lancool 216 PC case from its packaging. Inspect the case for any signs of damage during transit. Ensure all accessories, including screws and mounting hardware, are present.

1.2 Panel Removal

The Lancool 216 is designed for easy access to internal components. Most panels can be removed without tools.

- **Side Panels:** Gently pull the tempered glass side panel to detach it. The solid side panel can also be removed by pulling it away from the chassis.
- **Top Panel:** The top panel, featuring a fine mesh, can be easily lifted off for access to the top fan/radiator mounts.
- **Front Panel:** The front mesh panel is designed for optimal airflow and can be detached for cleaning or fan installation.

Figure 1: Internal view of the Lian Li Lancool 216 case, showing the spacious interior and cable routing options.

Figure 2: The removable top radiator bracket for easier installation of cooling solutions.

1.3 Motherboard Installation

The Lancool 216 supports E-ATX (under 280mm), ATX, Micro-ATX, and Mini-ITX motherboards. Install standoffs as required for your motherboard size. Secure the motherboard with screws.

Figure 3: The adjustable motherboard tray allows for configurations optimized for either air or water cooling.

1.4 Fan and Radiator Installation

The case comes with dual front 160mm PWM fans and one rear 140mm PWM fan. Additional fans and radiators can be installed:

- **Front:** Supports 3 x 120mm, 2 x 140mm, or 2 x 160mm fans. Radiator support up to 360mm.
- **Top:** Supports 3 x 120mm or 2 x 140mm fans. Radiator support up to 360mm. The top mounting bracket is removable for ease of installation.
- **Bottom (PSU Cover):** Supports 2 x 120mm or 2 x 140mm fans (Air Cooling mode). Radiator support up to 240mm.
- **Rear:** Supports 1 x 120mm or 1 x 140mm fan.
- **PCIe Fan Bracket:** Supports 1 x 120mm fan.
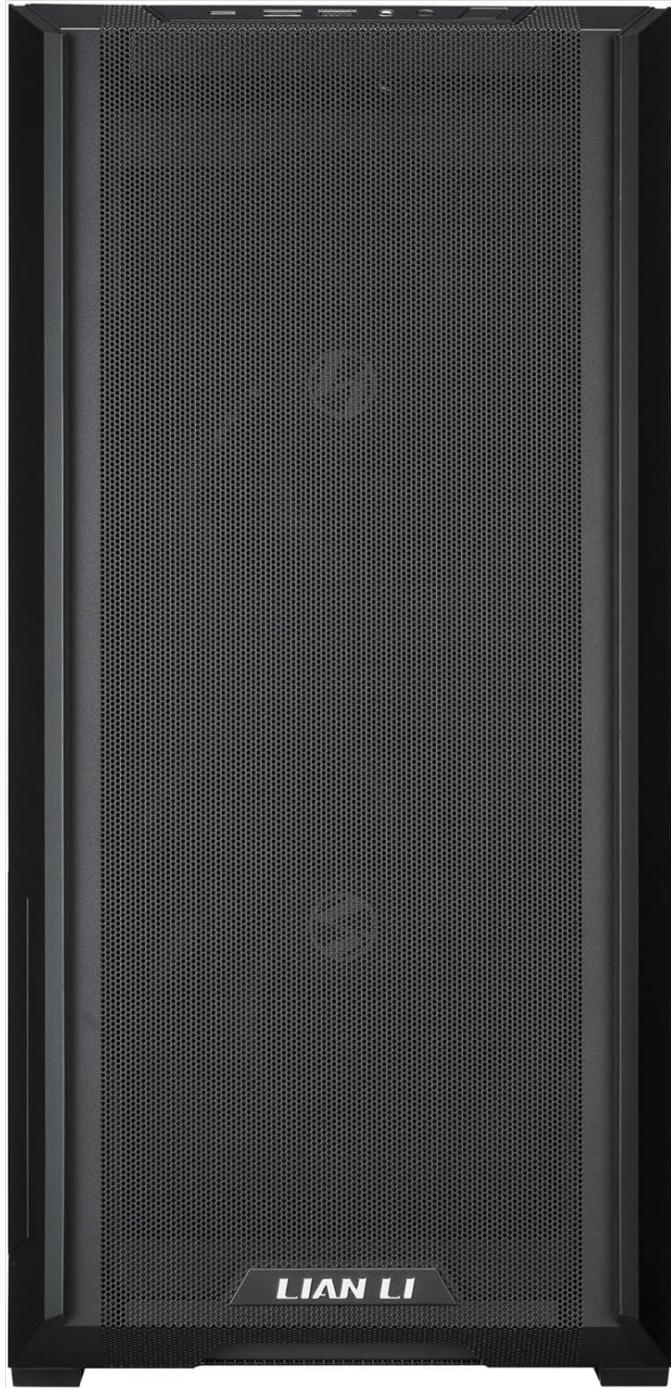
Figure 4: The fine mesh front panel ensures maximum airflow for optimal cooling performance.

1.5 Drive Installation

The Lancool 216 offers multiple drive mounting options:

- **Drive Cage:** 2 x 2.5" SSD + 2 x 3.5" HDD.
- **PSU Cover:** 2 x 2.5" SSD.
- **Behind MB Tray:** 2 x 2.5" SSD.

1.6 GPU Installation

The case supports GPUs up to 392mm in length. It features a rotatable PCIe expansion slot panel, allowing for both standard horizontal and vertical GPU mounting (riser cable sold separately).

Figure 5: Rear view showing the rotatable PCIe slots, enabling vertical GPU mounting.

1.7 Cable Management

The Lancool 216 is designed with cable management in mind. Utilize the three Velcro straps behind the motherboard tray and two additional straps above the PSU chamber to bundle and route cables neatly. This helps maintain optimal airflow and a clean build appearance.
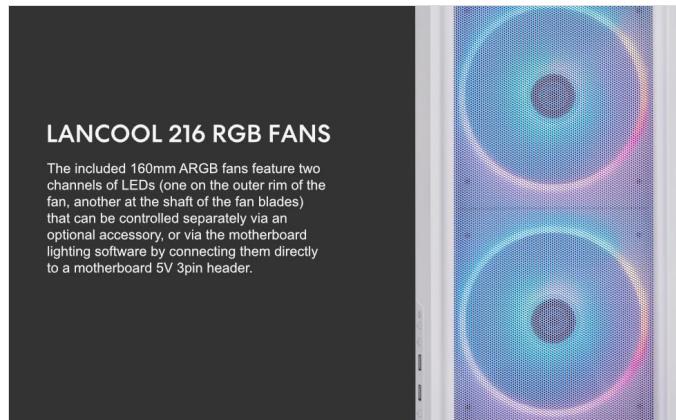
Figure 6: Integrated Velcro straps and routing channels for efficient cable management.

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2. OPERATING

2.1 Power On/Off

Press the Power Button located on the front I/O panel to turn the PC on or off. A Reset Button is also available for system restarts.

2.2 Front I/O Port Usage

The front I/O panel provides convenient access to:

- 2 x USB 3.0 ports for high-speed data transfer.
- 1 x USB Type-C port for modern connectivity.
- 1 x Audio jack for headphones or microphones.

2.3 Fan Control

The pre-installed PWM fans can be controlled via your motherboard's fan headers and BIOS/software settings. Refer to your motherboard manual for detailed fan control instructions.

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3. MAINTENANCE

3.1 Dust Filter Cleaning

The Lancool 216 includes a bottom dust filter. Regularly remove and clean this filter to maintain optimal airflow and prevent dust buildup inside the case. The front and top mesh panels can also be cleaned with compressed air or a soft brush.

3.2 General Cleaning

For the exterior, use a soft, damp cloth to wipe down surfaces. Avoid abrasive cleaners. For the interior, use compressed air to remove dust from components and internal surfaces.

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4. TROUBLESHOOTING

4.1 No Power

Ensure all power cables are securely connected to the power supply, motherboard, and components. Verify that the power supply unit (PSU) switch is in the 'ON' position.

4.2 Fans Not Spinning

Check that all fan cables are correctly connected to the motherboard's fan headers. Ensure fan control settings in the BIOS or software are configured correctly.

4.3 Overheating

Verify that all fans are spinning and oriented correctly for optimal airflow (front/bottom intake, rear/top exhaust). Clean all dust filters and ensure no cables are obstructing airflow. Check thermal paste application on CPU cooler.

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5. SPECIFICATIONS

Feature	Specification
Model	LANCOOL 216-X
Dimensions (D x W x H)	480.9mm x 235mm x 491.7mm
Color	Black
Material	Steel / 4.0mm Tempered Glass
Motherboard Support	E-ATX (Under 280mm) / ATX / Micro-ATX / Mini-ITX
Fan Support (Top)	3 x 120mm / 2 x 140mm
Fan Support (PSU Cover)	2 x 120mm / 2 x 140mm (Air Cooling mode)
Fan Support (Front)	3 x 120mm / 2 x 140mm / 2 x 160mm (2 x 160mm PWM pre-installed)
Fan Support (Rear)	1 x 120mm / 1 x 140mm (1 x 140mm PWM pre-installed)
Fan Support (PCIe Fan Bracket)	1 x 120mm
Radiator Support (Front)	360 / 280 / 240mm
Radiator Support (Top)	360 / 280 / 240mm
Radiator Support (Bottom)	240mm
PSU Support Length	ATX (Under 220mm)
GPU Length Clearance	392mm (max)
CPU Cooler Height Clearance	180.5mm (max)
Drive Bays	Drive Cage: 2 x 2.5" SSD + 2 x 3.5" HDD; PSU Cover: 2 x 2.5" SSD; Behind MB tray: 2 x 2.5" SSD

| Expansion Slots	7
I/O Ports	1 x Power Button, 1 x Reset Button, 2 x USB 3.0, 1 x USB Type C, 1 x Audio
Dust Filters	1 x Bottom
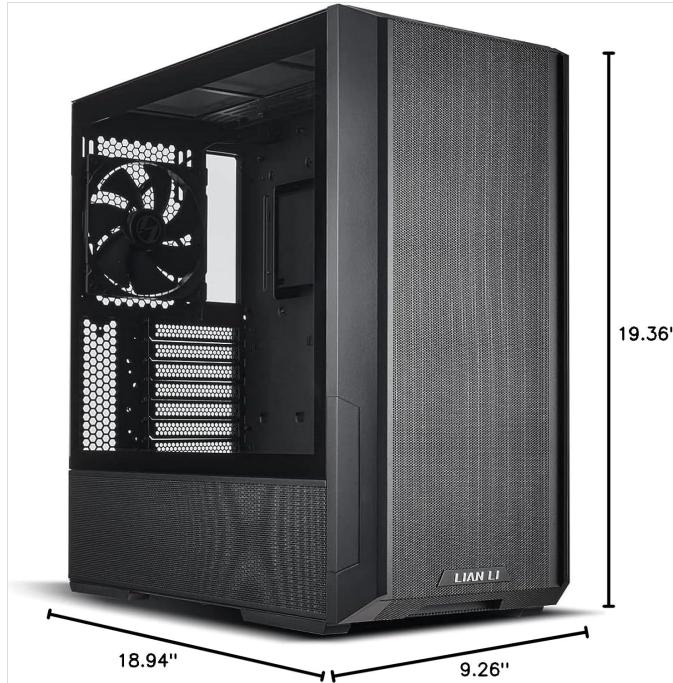
Figure 7: Detailed dimensions of the Lancool 216 chassis.

6. WARRANTY & SUPPORT

6.1 Warranty Information

Lian Li products typically come with a manufacturer's warranty covering defects in materials and workmanship. Please retain your proof of purchase for warranty claims. Specific warranty duration and terms may vary by region and product. Refer to the official Lian Li website for the most up-to-date warranty policy.

6.2 Technical Support

For technical assistance, troubleshooting, or any questions regarding your Lian Li Lancool 216 PC case, please visit the official Lian Li support website or contact their customer service department. You may find FAQs, driver downloads, and contact information for your region.