Lian Li V100 MINI

Lian Li VECTOR V100 MINI Micro Form Factor PC Case Instruction Manual

Model: V100 MINI

1. PRODUCT OVERVIEW

The Lian Li VECTOR V100 MINI is a compact micro-ATX PC case designed for efficient system builds. It features a panoramic tempered glass design, pre-installed ARGB PWM fans for optimal cooling, and flexible component support. This manual provides essential information for the assembly, operation, and maintenance of your PC case.
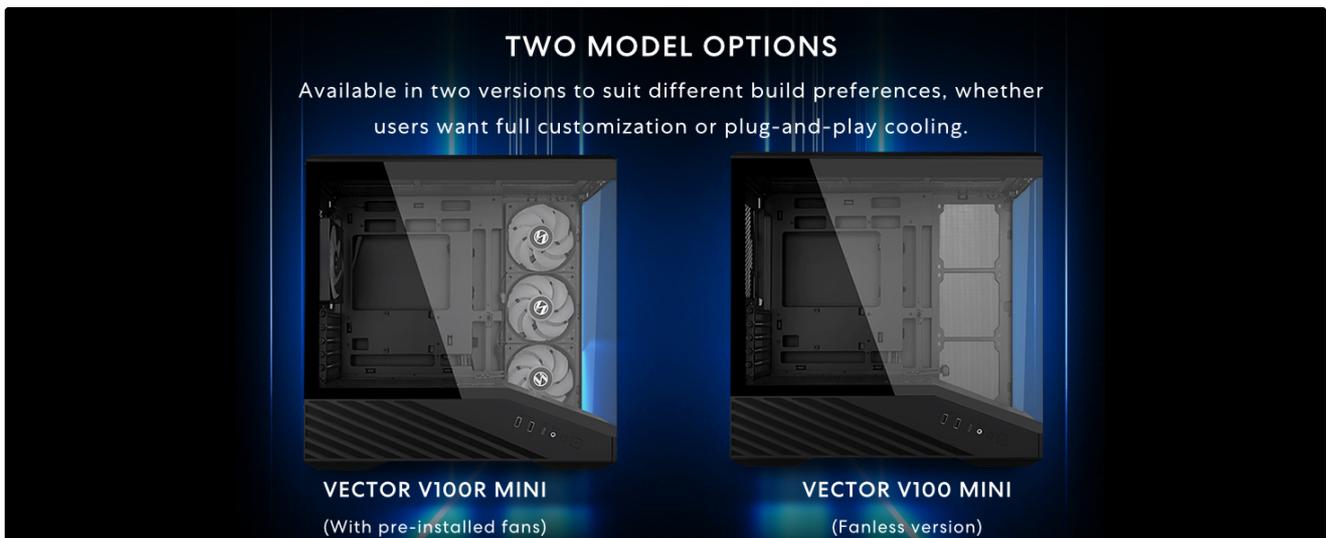

Image 1.1: Overview of the Lian Li VECTOR V100 MINI PC Case with internal components.

2. SETUP AND INSTALLATION

2.1 Motherboard Compatibility

The VECTOR V100 MINI supports Micro-ATX and Mini-ITX motherboards. It is also compatible with back-connect m-ATX motherboards, which can optimize internal space and cable management.

SPECIFICATIONS

PRODUCT NAME	MODEL	COLOR	DIMENSIONS	MATERIALS	MOTHERBOARD SUPPORT	EXPANSION SLOTS	STORAGE SUPPORT	MAX GPU LENGTH	MAX CPU COOLER HEIGHT	PSU SUPPORT	RADIATOR SUPPORT	FAN SUPPORT	INCLUDED FANS	FRONT I/O	DUST FILTER	HARDWARE PROTECFTION
VECTOR V1OO MINI / VECTOR V1OOR MINI	V100 MIX / V100R MIX	Black	436 mm(L)x 221.5 mm (W)x 443.9 mm(H)	Steel / 4.0 mm Tempered Glass / Plastic	Back-connect m-ATX/ m-ATX/ Mini-ITX	5	Bottom: Up to 2 x 2.5" SSDs, or1x3.5"HDD + 1x2.5"SSD (If PSU length exceeds 150mm: supports only 1 x 2.5" SSD or 1 x 3.5" HDD) Behind motherboard tray: 1 x 2.5" SSD	415mm	163.5mm	ATX(≤ 200 mm)	Top: 360 mm or 240 mm	Top: 3 x 120 mm or 2 x140 mm / Side:3x 120 mm / Bottom: 2 x120 mm / Rear:1x 120 mm	N/A Side: 3 x 120 mm ARGB PWM Fans Rear: 1 x 120 mm ARGB PWM Fan	2 x USB 3.0 / 1 x USB 3.1 Type-C / 1 x Audio / 1 x Reset Button / 1x Power Button	1 x Bottom	1 Year

Image 2.1: Motherboard size compatibility for ITX and M-ATX.

2.2 Fan and Radiator Installation

The case comes with four pre-installed ARGB PWM fans: one rear exhaust and three side intake fans. The case supports up to nine 120mm fans and a 360mm AIO cooler. Please note that 280mm AIO coolers are not supported due to potential motherboard clearance issues. GPU shroud designs and motherboard PCIe slot positions may vary; installing GPUs thicker than 3 PCIe slots may interfere with the PSU-side top fan.

PRE-INSTALLED FANS FOR IMMEDIATE BUILD PERFORMANCE

The VECTOR V100R MINI comes equipped with four pre-installed ARGB PWM fans: 3 intakes and 1 exhaust, delivering effective cooling performance right out of the box.

Note: Installing a four-slot GPU in the second PCIe slot obstructs the bottom fan installation.

Image 2.2: Fan and radiator mounting locations and sizes.

2.3 GPU Installation

A dedicated horizontal GPU anti-sag bracket is included. This bracket features a screw-based adjustment mechanism to precisely tune the height, accommodating GPUs of various sizes. The maximum supported GPU length is 415 mm. Dual-GPU setups are not recommended due to the 5-slot limit.
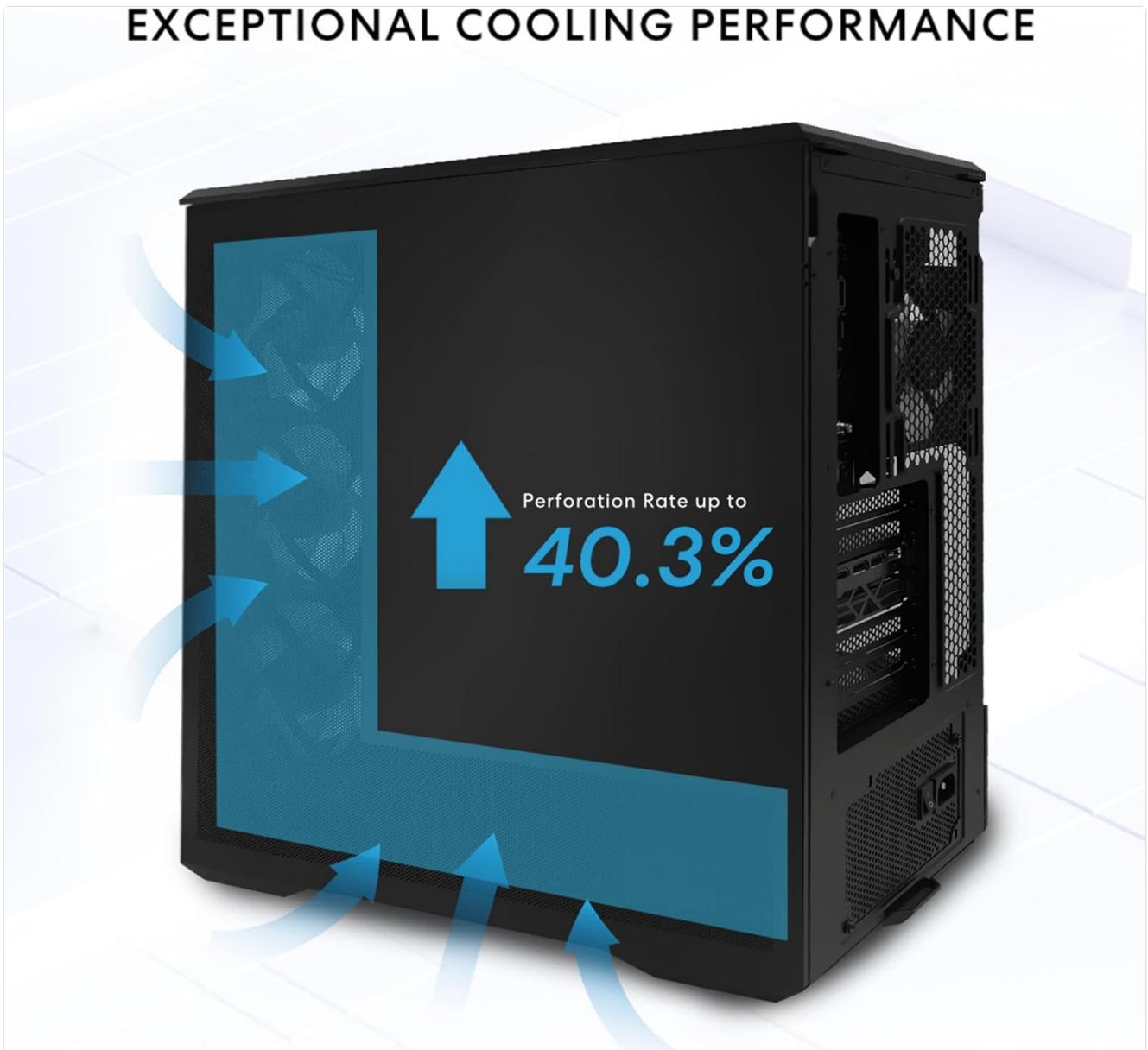
Image 2.3: GPU anti-sag bracket installation.

2.4 Storage Options

The bottom section of the case supports up to two 2.5" SSDs, or one 3.5" HDD + one 2.5" SSD. If the Power Supply Unit (PSU) length exceeds 150 mm, it supports one 2.5" SSD or one 3.5" HDD. An additional 2.5" SSD can be installed behind the motherboard tray. When installing drives, install the innermost drive first, then the power supply, and finally the drive in the middle position.

GPU SUPPORT BRACKET INCLUDED

A dedicated horizontal GPU anti-sag bracket is included. Its screw-based adjustment mechanism allows precise height tuning to accommodate GPUs of different sizes.

Image 2.4: Storage drive mounting locations and configurations.

2.5 Cable Management

The case features dedicated routing channels, multiple tie-down points, and ample space behind the motherboard tray for efficient cable organization. Adhesive cable straps are included for PSU cables and controller wires. The design supports clean routing of CPU power cables and fan cables, and helps organize fan cables or AIO tubing and wiring.

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Video 2.5: Official product video showcasing the Lian Li Vector V100 Mini features and assembly process.

3. OPERATING INSTRUCTIONS

3.1 Powering On and Front I/O

The V100 MINI features a conveniently positioned side I/O panel for easy access to ports and controls. This includes 2x USB 3.0 ports, 1x USB 3.1 Type-C port, 1x Audio jack, 1x Power Button, and 1x Reset Button.

EXCEPTIONAL COOLING PERFORMANCE

In addition to accommodating large water cooling and air cooling setups, the Vector V100 MINI features an optimized mesh panel on the side, with a perforation rate of up to 40.3%, greatly enhancing cooling efficiency.

Image 3.1: Front I/O panel layout and connections.

3.2 Customizable RGB Effects

The case includes built-in ARGB light strips with 26 LEDs. These support a wide range of lighting modes and custom color configurations. RGB lighting can be synchronized with compatible motherboard software for personalized effects.

SUPPORTS BACK-CONNECT M-ATX MOTHERBOARDS

Compatible with ITX and Back-Connect m-ATX motherboards, this innovative layout optimizes internal space, improves cooling efficiency, and delivers a cleaner cable management experience.
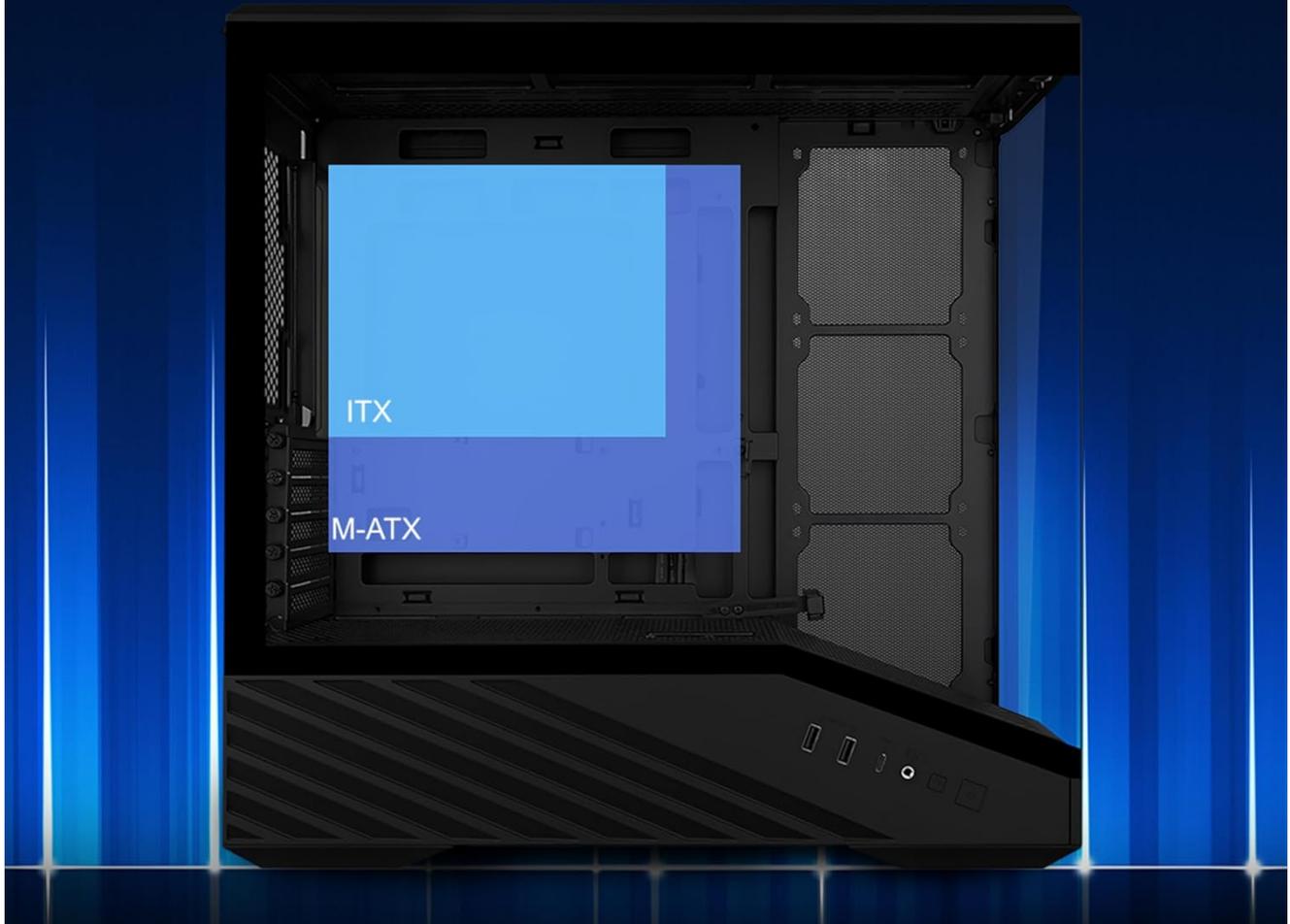
ITX

M-ATX

Image 3.2: Customizable RGB LED strip on the case.

4. MAINTENANCE

4.1 Cleaning the Case

To maintain optimal airflow and aesthetics, regularly clean your PC case. Use a soft, dry cloth for exterior surfaces and tempered glass panels. For dust accumulation, use compressed air to clear dust from fan filters and internal components. Ensure the system is powered off and unplugged before cleaning.

4.2 Dust Filters

The case includes a bottom dust filter. Periodically remove and clean this filter to prevent dust buildup and maintain efficient cooling performance.

5. TROUBLESHOOTING

5.1 Fan Speed Issues

If the included ARGB fans run at 100% speed upon initial installation, you may need to adjust the fan curve settings in your motherboard's BIOS/UEFI. Refer to your motherboard manual for specific instructions on fan control.

5.2 Front Panel Connector Issues

Ensure all front panel connectors (Power, Reset, USB, Audio) are correctly connected to the corresponding pins on your motherboard. Incorrect polarity for Power and Reset switches can prevent the system from turning on or resetting properly. Consult your motherboard manual for the correct pin assignments.

5.3 General Assembly Issues

If you encounter difficulties during assembly, double-check all connections and component placements against the instructions. Ensure all screws are tightened appropriately but not overtightened. If issues persist, consult the Lian Li support resources.

6. SPECIFICATIONS

The following table details the technical specifications of the Lian Li VECTOR V100 MINI PC Case:

Feature	Specification
Product Name	VECTOR V100 MINI
Model Color	Black
Dimensions (L x W x H)	436 mm x 221.5 mm x 443.9 mm (17.17"D x 17.47"W x 8.72"H)
Materials	Steel, 4.0mm Tempered Glass, Plastic
Motherboard Support	Back-connect m-ATX, m-ATX, Mini-ITX
Expansion Slots	5
Storage Support	Bottom: Up to 2x 2.5" SSDs, or 1x 3.5" HDD + 1x 2.5" SSD (If PSU length exceeds 150mm: supports only 1x 2.5" SSD or 1x 3.5" HDD). Behind motherboard tray: 1x 2.5" SSD
Max GPU Length	415 mm
Max CPU Cooler Height	163.5 mm
PSU Support	ATX (≤ 200 mm)
Radiator Support	Top: 3x 120mm or 2x 140mm. Side: 3x 120mm. Bottom: 2x 120mm. Rear: 1x 120mm.
Included Fans	Bottom: 2x 120mm ARGB PWM Fans. Rear: 1x 120mm ARGB PWM Fan. Side: 3x 120mm ARGB PWM Fans.
Front I/O	2x USB 3.0, 1x USB 3.1 Type-C, 1x Audio, 1x Reset Button, 1x Power Button
Dust Filter	1x Bottom
Hardware Protection	1 Year

ACCESSIBLE AND EFFICIENT USER EXPERIENCE

The V100 features a conveniently positioned side I/O panel, ensuring ports and controls are easy to reach for smooth, effortless operation.

2 × USB 3.0
1 × USB 3.1 Type-C
1 × Audio
1 × Reset Button
1 × Power Button

Image 6.1: Manufacturer's detailed specifications table.

7. WARRANTY INFORMATION

The Lian Li VECTOR V100 MINI PC Case comes with a 1-year hardware protection warranty. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the official Lian Li website or contact customer support.

8. SUPPORT

For further assistance, technical support, or to view additional resources, please visit the official Lian Li website. You can also find FAQs and contact information for customer service there.
Manufacturer: LIAN LI
Website: Lian Li Official Store on Amazon