Lian Li EG1000G

Lian Li EDGE1000W ATX 3.1 Power Supply Instruction Manual

Model: EG1000G.WH

PRODUCT OVERVIEW

The Lian Li EDGE1000W is a fully modular, low-noise ATX power supply designed for high-performance PC systems. It complies with ATX 3.1 and PCIE 5.1 standards, ensuring stable and efficient power delivery. This model features Cybenetics Gold efficiency, a 12V-2x6 cable for modern graphics cards, an innovative L-shape design, and an integrated USB/Fan Hub for enhanced connectivity and cable management.

AVAILABLE IN 2 COLORS AND 4 WATTAGES

Offering versatile options, the EDGE Gold PSU is available in multiple configurations with or without a USB hub to meet different power needs and match the components' colors.

750W
BLACK/ WHITE
(USB HUB NOT INCLUDED)

850W
BLACK/ WHITE
(USB HUB NOT INCLUDED)

1000W
BLACK/ WHITE

1200W
BLACK/ WHITE

Image: Front view of the Lian Li EDGE1000W Power Supply, showcasing its compact design and fan grille.

KEY FEATURES

- **Integrated USB/Fan Hub Module:** Enhance your setup with an EDGE Hub supporting four devices and up to eight downstream connections, ideal for RGB controllers. The USB/Fan Hub features six 4-pin connectors, each rated for 2A, ensuring optimal cooling power. Designed to work seamlessly with any case, PSU, or motherboard, providing unmatched flexibility.

- **50/40 Series Ready:** Includes a 12V-2X6 Connector for NVIDIA GeForce RTX 50 and 40 Series graphics cards. The EG1000G provides dual 8-pin to 12VHPWR connectors, ensuring broad compatibility.

- **ATX 3.1 Compliant:** Ensures stable, efficient power delivery for high-performance PC components, supporting PCIe 5.1 with enhanced resistance to transient power spikes.

- **High Efficiency & Low Noise:** Certified with 80 PLUS Gold and Cybenetics Gold for efficiency, ensuring optimal performance without the distraction of noise.

- **Magnetic Dust Filter Mesh:** This magnetic design allows for easy removal of the front dust mesh for cleaning, ensuring hassle-free maintenance. The mesh preserves the structural safety of the power supply and ensures quiet fan operation.

SETUP AND INSTALLATION

The Lian Li EDGE1000W PSU features an innovative L-shape design for simplified cable management, especially in dual-chamber cases. The modular cables are designed for easy routing and a clean build.

Installing the Power Supply

1. Mount the power supply into your PC case's PSU bay. The L-shape design allows for connectors to face outwards, simplifying access.

2. Connect the main 24-pin motherboard cable, followed by CPU (EPS) cables, and then GPU (PCIe) cables.

3. Connect SATA and Molex cables as needed for storage drives and other peripherals.

4. Ensure all connections are secure and properly seated. The 12V-2x6 connector for NVIDIA RTX 40/50 series cards should be fully inserted until the latch clicks.

182MM

135MM

INNOVATIVE L-SHAPE DESIGN

Introducing the world's first PSU with a detachable USB and PWM fan hub that also functions independently, and that features a removable magnetic dust filter. This unique form factor reorients the connectors outward, simplifying cable management and ensuring a clean, organized build.
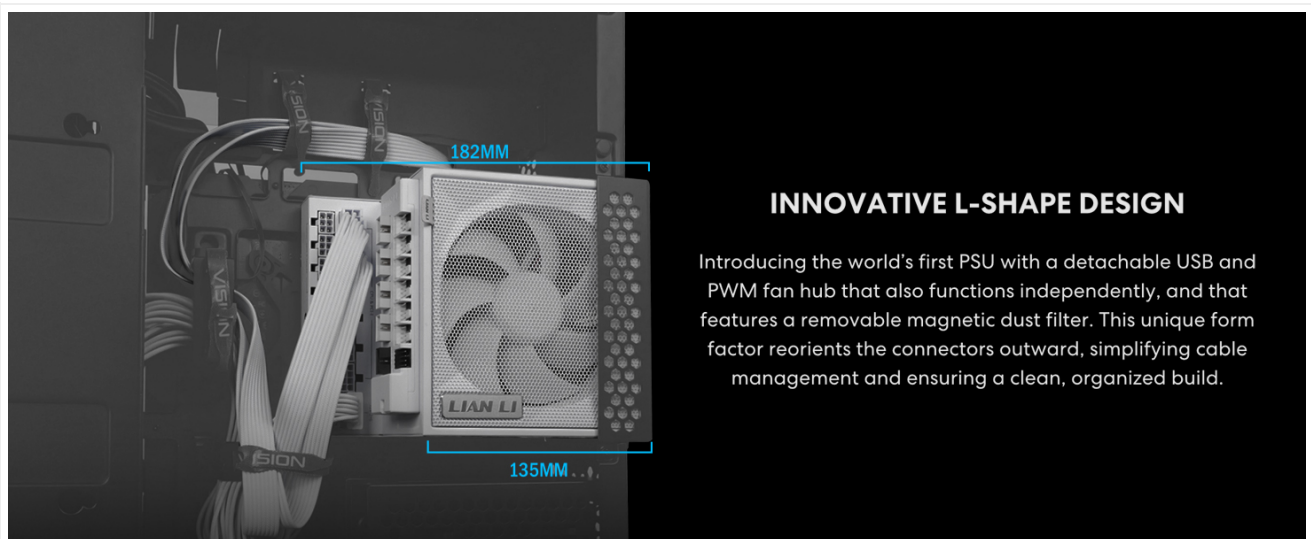
Image: Diagram illustrating the innovative L-shape design of the PSU, which reorients connectors for easier cable management.

USB/Fan Hub Installation

The detachable USB/Fan Hub can be directly attached to the PSU or placed elsewhere in the case using its magnetic design.

1. To attach directly: Remove the protective cap from the PSU's hub connector and slide the hub onto it.

2. To place independently: Connect the hub to a PCIe 8-pin cable for power. Use its integrated magnets to secure it to any magnetic surface inside your case.

3. Connect your fans and USB devices to the hub's ports.

4. For motherboard signal connection, use the provided USB type-A or USB-USB cables to sync fan speed and RGB signals.
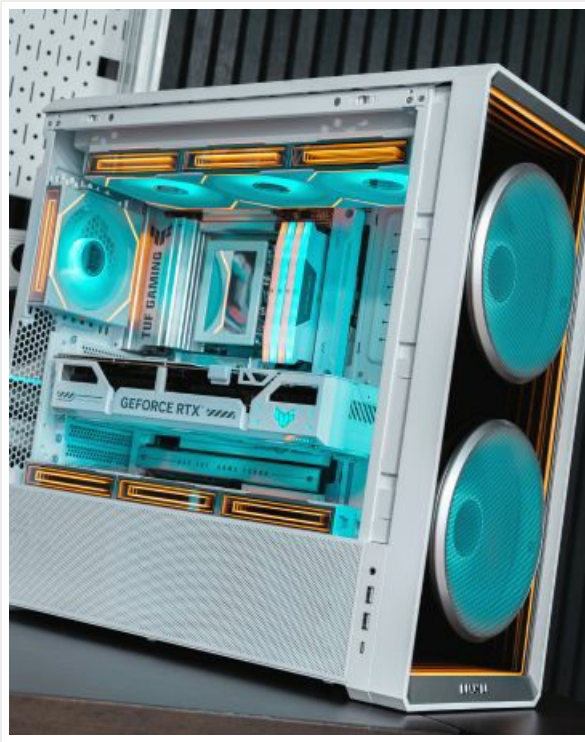
Image: Close-up of the detachable USB/Fan Hub, showing its various connectivity ports for fans and USB devices.

Video: "PC Crazy: EDGE PSU Set up" by LIAN LI direct store. This video demonstrates the installation process of the EDGE PSU and its hub within a PC case, highlighting cable management benefits.

OPERATING INSTRUCTIONS

The EDGE1000W PSU is designed for high efficiency and low noise operation. It features a fanless mode for quiet performance under low loads.

Fan Operation

- The 120mm FDB fan operates efficiently with minimal noise.
- The PSU supports a fanless mode, where the fan remains at zero RPM during low loads, ensuring silent operation. The fan will activate automatically as the system load increases.
- Utilize the USB/Fan Hub to synchronize fan speeds and RGB lighting with your motherboard for integrated control.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your power supply.

Cleaning the Magnetic Dust Filter

The EDGE1000W is equipped with a magnetic dust filter on top of the fan for easy cleaning.

1. Gently pull the magnetic mesh dust filter upwards to remove it from the PSU.
2. Clean the filter using compressed air or a soft brush to remove accumulated dust.
3. Align the filter with the PSU's top surface and allow the magnets to snap it back into place.
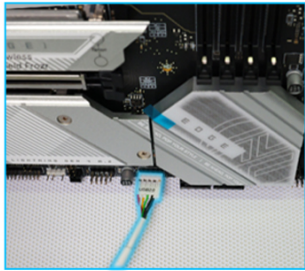
MOTHERBOARD SIGNAL CONNECTION

Sync fan speed by connecting the fan 3-PIN to 3-PIN cable.

Offers two options for motherboard USB signal connection to accommodate different configurations.

USB type-A

USB-USB

Image: Illustration of the magnetic dust filter being removed from the top of the Lian Li EDGE PSU for cleaning.

SPECIFICATIONS

Feature	Detail
Model Name	EG1000G.WH
Output Wattage	1000 Watts
Form Factor	ATX
ATX Standard	ATX 3.1
PCIe Standard	PCIe 5.1 (12V-2x6 Connector)
Efficiency Certification	80 PLUS Gold, Cybenetics Gold
Cooling Method	Air (120mm FDB Fan with 0 RPM mode)
Product Dimensions	7.17 x 3.39 x 5.91 inches (182 x 86 x 150 mm)
Item Weight	7.7 pounds
Maximum Input Voltage	240 Volts (AC)
USB/Fan Hub	Integrated, detachable, magnetic. 4 USB 2.0 ports, 6 x 4-pin fan connectors (2A each).

ATX 3.0 AND 3.1 COMPLIANT

The EDGE Gold series is fully compliant with ATX 3.0 and 3.1 standards and meets the latest power supply specifications, ensuring compatibility with the latest components and motherboards.

Image: Detailed specifications table for the Lian Li EDGE Gold PSU series, including power output, efficiency, and connector types.

TROUBLESHOOTING

If you encounter issues with your Lian Li EDGE1000W power supply, consider the following steps:

- **No Power:** Ensure the power cable is securely connected to both the PSU and the wall outlet. Check the power switch on the PSU is in the 'On' position. Verify all modular cables are correctly seated in the PSU and connected to components.

- **System Instability/Crashes:** This could indicate insufficient power or a faulty component. Ensure your system's total power draw does not exceed the PSU's capacity. Check all power connections, especially to the motherboard and graphics card.

- **Fan Noise:** While designed for low noise, excessive fan noise might indicate dust buildup. Refer to the Maintenance section for cleaning the dust filter. If the fan is constantly running at high RPM under low load, ensure 0 RPM mode is enabled (if applicable and desired).

- **USB/Fan Hub Issues:** If the hub is not functioning, ensure it is properly connected to the PSU or receiving power via a PCIe 8-pin cable. Check the USB signal cable connection to the motherboard.

For further assistance, please refer to the official Lian Li support resources or contact customer service.

WARRANTY AND SUPPORT

The Lian Li EDGE1000W Power Supply comes with a **10-year warranty** for the main unit and a **2-year warranty** for the integrated USB/Fan Hub. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or to download the latest software and drivers for the USB/Fan Hub, please visit the official Lian Li website: www.lian-li.com.