GIGABYTE GP-UD1000GM

GIGABYTE GP-UD1000GM 1000W Power Supply Instruction Manual

Model: GP-UD1000GM | Brand: GIGABYTE

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your GIGABYTE GP-UD1000GM 1000W 80 Plus Gold Certified Fully Modular Power Supply. Please read this guide thoroughly before proceeding with installation to ensure proper setup and safe usage.

2. PRODUCT FEATURES

- 1000W Capacity with Single +12V Rail
- 80 Plus Gold Certified for high efficiency
- ATX Form Factor for broad compatibility
- Fully Modular Design for improved cable management
- Japanese Capacitors for enhanced durability and reliability

3. PACKAGE CONTENTS

Verify that all items listed below are included in your product package:

- GIGABYTE GP-UD1000GM 1000W Power Supply Unit
- Modular Cable Set (including ATX, CPU, PCIe, SATA, Peripheral cables)
- AC Power Cord
- Mounting Screws
- User Manual / Quick Start Guide

Figure 1: GIGABYTE GP-UD1000GM Power Supply and its retail packaging.

4. Setup and Installation

Follow these steps to properly install your power supply unit into your computer chassis.

4.1 Prepare the Chassis

1. Ensure your computer chassis is powered off and disconnected from the main power outlet.
2. Remove the side panel(s) of your chassis to access the power supply mounting area.

4.2 Mount the Power Supply Unit

1. Carefully slide the GP-UD1000GM power supply into the designated power supply bay in your chassis.
2. Align the screw holes on the power supply with those on the chassis.
3. Secure the power supply using the provided mounting screws.

Figure 2: Rear view of the power supply, showing the power input and on/off switch.

4.3 Connect Modular Cables

The GP-UD1000GM features a fully modular design. Connect only the cables necessary for your system components.

1. Connect the 24-pin ATX cable to the motherboard.
2. Connect the 8-pin (4+4) CPU power cable(s) to the motherboard.
3. Connect the appropriate PCIe power cable(s) to your graphics card(s). The GP-UD1000GM supports 12V-2x6 (12+4-pin) connectors for modern GPUs.
4. Connect SATA power cables to your storage drives (SSDs, HDDs).
5. Connect peripheral (Molex) cables for any other components requiring them.

Figure 3: Modular ports on the power supply for various cable types.
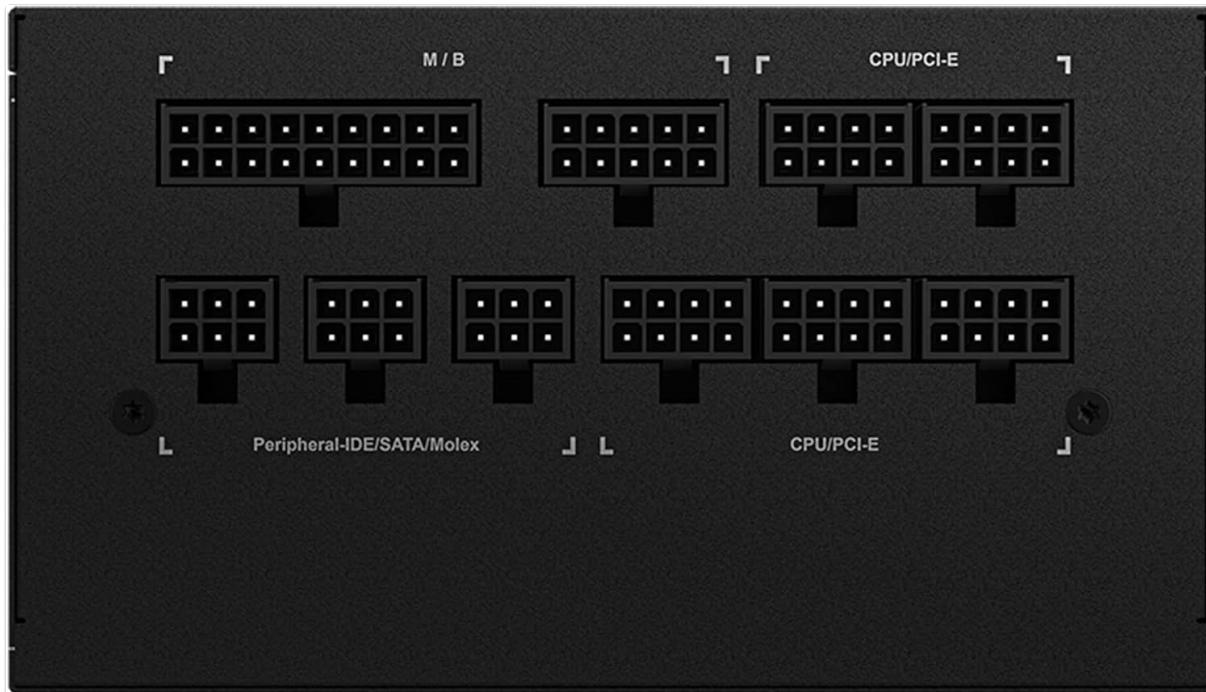
Figure 4: Detailed view of the modular cable ports, clearly labeled for motherboard (M/B), CPU/PCI-E, and Peripheral/SATA/Molex connections.

4.4 General Installation Guidance

For a visual guide on power supply installation and cable management, refer to the following video:

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Video 1: Power Supply Installation Guide. This video demonstrates the general process of installing a modular power supply and connecting cables to a motherboard and GPU.

5. OPERATING INSTRUCTIONS

5.1 Zero Fan Mode

The GP-UD1000GM features a Zero Fan Mode, which allows the power supply fan to remain off under low load conditions for silent operation. The fan will automatically activate when the load increases to maintain optimal temperatures.

- To enable Zero Fan Mode: Ensure the 'Zero Fan' switch on the rear of the PSU is in the 'ON' position (button is sticking out).
- To disable Zero Fan Mode (fan always on): Push the 'Zero Fan' button in to the 'OFF' position.

Figure 5: The rear panel of the power supply showing the Zero Fan switch next to the main power switch.

6. SPECIFICATIONS

Feature	Detail
Brand	GIGABYTE
Series	GP-UD1000GM
Model Name	GP-UD1000GM
Output Wattage	1000 Watts
Efficiency Certification	80 Plus Gold Certified
Form Factor	ATX

Feature	Detail
Modular Type	Fully Modular
Capacitors	Japanese Capacitors
Cooling Method	Hybrid
Item Weight	6 pounds
Product Dimensions (LxWxH)	5.51 x 5.96 x 3.38 inches
Compatible Devices	Personal Computer

Figure 6: Detailed specification label of the power supply.

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your power supply.

- **Dust Removal:** Regularly clean the power supply fan and ventilation grilles using compressed air to prevent dust buildup, which can impede airflow and lead to overheating.
- **Cable Management:** Ensure cables are neatly routed and secured to avoid obstructing airflow within the chassis.
- **Environmental Conditions:** Operate the power supply in a well-ventilated area, away from direct sunlight, excessive heat, and moisture.

8. Troubleshooting

If you encounter issues with your power supply, consider the following basic troubleshooting steps:

- **No Power:**

  - Check if the AC power cord is securely connected to both the power supply and the wall outlet.
  - Ensure the power switch on the rear of the PSU is in the 'ON' position.
  - Verify that all modular cables are correctly and firmly seated in both the power supply and the components.

- **System Instability/Crashes:**

  - Ensure your power supply wattage is sufficient for all your system components, especially the CPU and GPU.
  - Check for loose cable connections.
  - Monitor system temperatures to rule out overheating issues.

- **Fan Noise:**

  - If the fan is constantly running at low loads, check the 'Zero Fan' switch position.
  - Ensure there are no obstructions to the fan or ventilation grilles.

If problems persist after performing these steps, consult the GIGABYTE support website or contact customer service.

9. Warranty and Support

The GIGABYTE GP-UD1000GM Power Supply typically comes with a 10-year limited warranty. For detailed warranty terms, conditions, and to access technical support, please visit the official GIGABYTE website or refer to the warranty card included with your product.
For further assistance, you may also visit the GIGABYTE Store on Amazon.

Related Documents - GP-UD1000GM

GIGABYTE™	[Gigabyte UD1000GM PG5 Power Supply Unit Technical Specifications](#) Detailed technical specifications and connector information for the Gigabyte UD1000GM PG5 1000W Power Supply Unit, including CPU, SATA, and PCI-E connections.
GIGABYTE™	[GIGABYTE GP-UD1000GM Power Supply Installation Manual](#) Comprehensive installation guide, troubleshooting steps, and warranty information for the GIGABYTE GP-UD1000GM power supply unit. Ensure safe and efficient setup of your PC's power system.
GIGABYTE™	[GIGABYTE GP-UD850GM 850W 80 Plus Gold Power Supply Installation and User Manual](#) Comprehensive guide for the GIGABYTE GP-UD850GM 850W 80 Plus Gold certified fully modular power supply, covering installation, troubleshooting, safety precautions, and warranty information.
GIGABYTE™	[GIGABYTE GP-P650G 650W 80 Plus Gold Power Supply User Manual](#) Detailed user manual and specifications for the GIGABYTE GP-P650G 650W 80 Plus Gold certified ATX power supply unit, covering installation and usage.
GIGABYTE™ **PSU Pinout Diagram** •GP-UD750GM-A •GP-UD850GM-A www.gigabyte.com	[GIGABYTE PSU Pinout Diagrams for GP-UD750GM-A and GP-UD850GM-A](#) Detailed pinout diagrams for GIGABYTE GP-UD750GM-A and GP-UD850GM-A power supply units, covering ATX/MB 20+4 Pin, CPU 4+4 Pin, PCI-E 6+2 Pin, SATA & PATA, and SATA 5 Pin connectors.
GIGABYTE™	[GIGABYTE GP-UD850GM PG5 Power Supply Installation Manual](#) Comprehensive installation guide for the GIGABYTE GP-UD850GM PG5 850W ATX power supply unit, covering installation steps, safety precautions, troubleshooting, and warranty information.