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HP J9580A#ABA

HP X312 1000-Watt Power Supply (J9580A#ABA) User Manual

Model: J9580A#ABA

INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your HP X312 1000-Watt Power Supply (Model J9580A#ABA). This power supply is a hot-plug/redundant plug-in module designed for compatible HP systems such as the HP 3800-24G-PoE+-2XG Switch and 3800-48G-PoE+-4XG Switch. Please read this manual thoroughly before using the product and retain it for future reference.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- Ensure the power supply is disconnected from the main power source before installation or maintenance.
- This unit operates with AC 100-240 V. Verify your power source matches these requirements.
- Do not open the power supply casing. There are no user-serviceable parts inside.
- Avoid exposing the unit to moisture or extreme temperatures.
- Proper grounding is essential for safe operation.

SETUP

1. Unboxing

Carefully remove the power supply from its packaging. Inspect the unit for any signs of damage during transit. If damage is found, do not proceed with installation and contact your vendor.

2. Physical Installation

The HP X312 is designed as a hot-plug/redundant plug-in module. Identify the designated slot in your compatible HP system (e.g., HP 3800-24G-PoE+-2XG Switch, 3800-48G-PoE+-4XG Switch). Ensure the system is powered off or in a state that supports hot-plugging before insertion.

Align the power supply with the slot and gently push it in until it is fully seated and secured. A click or latch mechanism typically indicates proper seating.



Figure 1: HP X312 1000-Watt Power Supply. This image displays the general appearance of the power supply unit, including its casing and potential connector layout, which is crucial for proper physical installation into a compatible system.

3. Power Connection

Connect the appropriate AC power cord to the power supply's input port. Then, plug the other end of the power cord into a grounded electrical outlet. Ensure the outlet provides AC 100-240 V power.

OPERATING

1. Power On

Once installed and connected, the power supply will typically power on automatically with the system. Observe any indicator lights on the power supply or the host system to confirm proper operation. The unit provides a stable output voltage of 54 V and a maximum output wattage of 1000 Watts.

2. Redundant Operation

If installed in a redundant configuration, the power supply will operate in conjunction with other power supplies to provide continuous power. In the event of a failure of one unit, the remaining units will seamlessly take over the load.

MAINTENANCE

1. Cleaning

Periodically inspect the power supply and its ventilation openings for dust accumulation. Use a soft, dry cloth or compressed air to gently clean the exterior. Ensure the unit is powered off and disconnected before cleaning.

2. Environmental Conditions

Maintain the operating environment within recommended temperature and humidity ranges to ensure optimal performance and longevity of the power supply. Avoid blocking airflow to the unit.

TROUBLESHOOTING

If you encounter issues with your HP X312 Power Supply, consider the following steps:

- **No Power:** Verify that the power cord is securely connected to both the power supply and a functional electrical outlet. Check the power indicator lights on the unit and the host system.
- **System Instability:** If the system experiences unexpected shutdowns or reboots, ensure the power supply is adequately seated in its slot and that all connections are firm. Confirm the power supply's wattage (1000W) meets the system's requirements.
- **Indicator Lights:** Refer to your host system's documentation for specific meanings of power supply indicator lights.

If problems persist after performing these checks, contact HP support or a qualified service technician.

SPECIFICATIONS

Feature	Detail
Model Name	J9580A#ABA
Brand	HP
Compatible Devices	Personal Computer (specifically HP 3800-24G-PoE+-2XG Switch, 3800-48G-PoE+-4XG Switch)
Connector Type	Plug-in
Output Wattage	1000 Watts
Form Factor	Proprietary
Input Voltage	AC 100-240 V (Minimum 100 V, Maximum 240 V)
Output Voltage	54 V
Item Dimensions (L x W x H)	1 x 1 x 1 inches
Item Weight	1 Pound
Localization	English / United States
UPC	886112091866
Serial Number (Example)	ABIT13C0022
CT Number (Example)	ABIT13C002200
Manufacturing Code (Example)	TH14DMN050

WARRANTY INFORMATION

This HP product is covered by a standard manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty card included with your product or visit the official HP support website.

SUPPORT

For technical assistance, troubleshooting guides, driver downloads, or to contact customer service, please visit the official HP support website. Have your product model number (J9580A#ABA) and serial number ready when contacting support.

Official HP Support: www.hp.com/support