

Extreme Networks 10941

Extreme Networks 10941 Redundant Power Supply Unit Instruction Manual

For ExtremeSwitching X460-G2 Series

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the installation, operation, maintenance, and troubleshooting of the Extreme Networks 10941 Redundant Power Supply Unit (PSU). This PSU is designed to provide reliable and redundant power to ExtremeSwitching X460-G2 Series network switches, ensuring continuous operation and minimizing downtime.

The 10941 PSU is a hot-swappable module, allowing for replacement without interrupting the switch's operation, provided another power source is active. It delivers 1100 Watts of power and operates within an AC input voltage range of 85-264V.



Image 1.1: Extreme Networks 10941 Redundant Power Supply Unit. This image displays the silver-colored power supply unit from an angled perspective, showing its fan on the right side and the multi-pin connector interface on the front. The unit has a rectangular form factor with ventilation slots and regulatory labels visible on its surface.

2. SETUP AND INSTALLATION

Before proceeding with installation, ensure that the ExtremeSwitching X460-G2 Series switch is powered off or has at least one other operational power supply unit installed to maintain power redundancy during the process.

2.1 Safety Precautions

- Always wear an anti-static wrist strap when handling the PSU to prevent electrostatic discharge (ESD) damage.
- Ensure the work area is clean and free of obstructions.
- Verify that the AC power source matches the PSU's input voltage requirements (85-264V AC).

2.2 Installation Steps

1. Locate an empty power supply slot on the rear of the ExtremeSwitching X460-G2 Series switch.
2. Carefully align the 10941 PSU with the slot, ensuring the connector pins are correctly oriented.
3. Gently slide the PSU into the slot until it is fully seated and the locking mechanism (if present) engages. Do not force the unit.
4. Connect the appropriate AC power cord to the PSU's power inlet and then to a grounded AC power outlet.
5. Verify the PSU status indicators (LEDs) on the unit or the switch's front panel to confirm proper operation. Refer to the switch's documentation for specific LED behavior.

3. OPERATING THE POWER SUPPLY UNIT

Once installed, the 10941 PSU operates automatically. It provides power to the switch and, in a redundant configuration, acts as a backup in case of failure of another PSU or primary power source.

3.1 Status Indicators

The PSU typically features LED indicators to communicate its operational status. Common states include:

- **Green/Solid:** Indicates normal operation and power output.
- **Amber/Flashing:** May indicate a fault, warning, or standby mode. Consult the switch's documentation for specific meanings.
- **Off:** Indicates no power input or a critical failure.

Always refer to the ExtremeSwitching X460-G2 Series switch's user manual for detailed information on PSU LED behavior and system status monitoring.

4. MAINTENANCE

The Extreme Networks 10941 PSU is designed for minimal maintenance. Regular checks can help ensure its longevity and reliable performance.

4.1 General Maintenance

- **Visual Inspection:** Periodically inspect the PSU and its connections for any signs of damage, loose cables, or excessive dust accumulation.
- **Cleaning:** If dust accumulates on the fan or ventilation openings, gently clean it using compressed air. Ensure the switch is powered off or the PSU is removed (if hot-swappable and redundancy is maintained) before cleaning. Do not use liquid cleaners.
- **Environmental Conditions:** Ensure the operating environment adheres to the recommended temperature and humidity ranges specified for the ExtremeSwitching X460-G2 Series switch.

4.2 Hot-Swapping Procedure (if applicable)

If the switch supports hot-swapping and has another operational PSU, a faulty unit can be replaced without powering down the switch:

1. Disconnect the AC power cord from the faulty PSU.
2. Release any locking mechanisms and carefully pull the faulty PSU out of its slot.
3. Insert the new 10941 PSU following the installation steps outlined in Section 2.2.
4. Verify the status indicators of the new PSU.

5. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues encountered with the 10941 PSU.

5.1 PSU Not Powering On / No Status LED

- **Check Power Cord:** Ensure the AC power cord is securely connected to both the PSU and the power outlet.
- **Verify Power Outlet:** Test the power outlet with another device to confirm it is functional.
- **Reseat PSU:** Remove and re-insert the PSU firmly into its slot to ensure proper connection.
- **Try Another Slot/PSU:** If available, try installing the PSU in a different slot or test with a known-good PSU.

5.2 Amber/Flashing Status LED

- **Consult Switch Manual:** Refer to the ExtremeSwitching X460-G2 Series switch's documentation for the specific meaning of amber or flashing LEDs, as this often indicates a specific fault or warning condition.
- **Check System Logs:** Access the switch's management interface to check system logs for any power-related error messages.
- **Environmental Check:** Ensure the switch and PSU are not overheating. Verify proper airflow and ambient temperature.

If troubleshooting steps do not resolve the issue, contact Extreme Networks technical support for further assistance.

6. SPECIFICATIONS

Brand	Extreme Networks
Model Number	10941
Output Wattage	1100 Watts
Input Voltage	85-264 Volts AC
Form Factor	Module (ATX classification)
Cooling Method	Air
Item Weight	2.2 pounds (approximately 1 Kilogram)
Product Dimensions (LxWxH)	9.45 x 27.17 x 0.98 inches
Compatible Devices	ExtremeSwitching X460-G2 Series

7. WARRANTY INFORMATION

The Extreme Networks 10941 Redundant Power Supply Unit typically comes with a manufacturer's warranty. Based on available information, a **1-year warranty** from the date of delivery is often provided for new units. For specific warranty terms and conditions, including coverage details and duration, please refer to the official documentation provided with your purchase or contact Extreme Networks directly.

8. SUPPORT

For technical assistance, product inquiries, or to report issues that cannot be resolved using the troubleshooting steps provided, please contact Extreme Networks customer support.

- **Extreme Networks Official Website:** www.extremenetworks.com
- Refer to the website for contact information, support portals, and additional resources.