ADTRAN 1202289L1

ADTRAN MX2800 M13/STS-1 Multiplexer Redundant AC Power Supply User Manual

Model: 1202289L1

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the ADTRAN MX2800 M13/STS-1 Multiplexer Redundant AC Power Supply (Model 1202289L1). Please read this manual thoroughly before attempting to install or operate the device to ensure proper function and safety.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to the equipment:

- **Power Disconnection:** Always disconnect power to the MX2800 chassis before installing or removing the power supply unit.
- **Qualified Personnel:** Installation and servicing should only be performed by qualified personnel.
- **Ventilation:** Ensure adequate ventilation around the power supply and the MX2800 chassis to prevent overheating.
- **Environmental Conditions:** Operate the device within specified environmental limits (temperature, humidity).
- **Grounding:** Ensure the MX2800 chassis is properly grounded.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- ADTRAN MX2800 M13/STS-1 Multiplexer Redundant AC Power Supply (Model 1202289L1)
- Documentation (this manual or similar)
- *Note: Power cords or mounting hardware may be sold separately or included with the main MX2800 unit.*

4. PRODUCT OVERVIEW

The ADTRAN MX2800 M13/STS-1 Multiplexer Redundant AC Power Supply is designed to provide reliable power to the ADTRAN MX2800 chassis. This 30-watt AC power supply offers redundancy, enhancing the overall system's uptime and reliability by providing a backup power source in case of a primary power supply failure. It is specifically engineered for seamless integration with the MX2800 M13/STS-1 Multiplexer system.

Image: Front view of the ADTRAN MX2800 Redundant AC Power Supply. This image displays the physical unit, typically showing its connectors and form factor designed for integration into the MX2800 chassis.

5. SETUP

Follow these steps to install the AC Power Supply into the MX2800 chassis:

1. **Power Off:** Ensure the MX2800 chassis is completely powered off and disconnected from all power sources.
2. **Locate Slot:** Identify the designated power supply slot(s) in the MX2800 chassis. Refer to the MX2800 chassis manual for specific slot locations.
3. **Insert Power Supply:** Carefully slide the AC Power Supply into the vacant slot until it is fully seated. Ensure the connectors align properly.
4. **Secure Unit:** Use any provided thumbscrews or locking mechanisms to secure the power supply in place within the chassis.
5. **Connect AC Power:** Connect a suitable AC power cord (not included) to the power supply's AC inlet and then to a grounded electrical outlet.
6. **Power On:** Reconnect power to the MX2800 chassis and power it on. Observe the power supply's indicator lights for proper operation.

6. OPERATING INSTRUCTIONS

Once installed and powered on, the redundant AC power supply operates automatically. Key operational aspects include:

- **Power Indicators:** Check the status indicator lights on the power supply. A solid green light typically indicates normal operation. Refer to the MX2800 chassis manual for specific indicator meanings.
- **Redundancy:** If two power supplies are installed, they operate in a redundant configuration. Should one unit fail, the other automatically takes over, ensuring continuous operation of the MX2800.
- **Hot-Swappable:** This power supply is designed to be hot-swappable, meaning it can be replaced without powering down the entire MX2800 chassis, provided another operational power supply is present. Always follow proper hot-swap procedures outlined in the MX2800 chassis manual.

7. MAINTENANCE

The ADTRAN MX2800 AC Power Supply requires minimal maintenance. Regular checks can help ensure its longevity and reliable performance:

- **Visual Inspection:** Periodically inspect the power supply and its connections for any signs of damage, loose cables, or excessive dust accumulation.
- **Cleaning:** If dust is present, gently clean the exterior of the power supply and the chassis ventilation openings using a soft, dry cloth or compressed air. Ensure the unit is powered off and disconnected before cleaning.
- **Firmware:** Power supplies typically do not have user-upgradable firmware. Any firmware updates would be part of the main MX2800 chassis system.

8. TROUBLESHOOTING

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

- **No Power/No Indicators:**
    - Verify the AC power cord is securely connected to both the power supply and a working electrical outlet.
    - Check the circuit breaker or fuse for the electrical outlet.
    - Ensure the power supply is fully seated in its slot within the MX2800 chassis.

- **Fault Indicator Light:**
    - A fault indicator (often amber or red) suggests an internal issue or an environmental problem.
    - If redundant power supplies are installed, the system should continue operating on the healthy unit.
    - Attempt to reseat the power supply. If the fault persists, the unit may require replacement.

- **System Instability:**
    - If the MX2800 system experiences unexpected shutdowns or instability, and a power supply fault is indicated, replace the faulty power supply.
    - Ensure the power supply is compatible with your specific MX2800 chassis model.

For further assistance, contact ADTRAN technical support.

9. SPECIFICATIONS

Model Number	1202289L1
Product Type	Redundant AC Power Supply
Brand	ADTRAN
Output Wattage	30 Watts
Input Voltage	AC (Specific voltage range typically found on unit label)
Dimensions (L x W x H)	10 x 6 x 3 inches

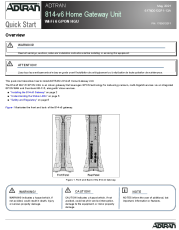| Item Weight	0.6 Pounds (approx. 9.6 ounces)
Compatible Devices	ADTRAN MX2800 M13/STS-1 Multiplexer (Servers)
ASIN	B000067OBM
UPC	607565007804

10. WARRANTY AND SUPPORT

For information regarding the warranty coverage for your ADTRAN MX2800 M13/STS-1 Multiplexer Redundant AC Power Supply, please refer to the warranty documentation provided with your original MX2800 system or visit the official ADTRAN website. For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact ADTRAN customer service or your authorized ADTRAN reseller.

ADTRAN Contact Information:

Please refer to the official ADTRAN website for the most current contact details.

Related Documents - 1202289L1

	Adtran SDG PlumeOS 2.1.1.0 Release Notes Release notes for Adtran's SDG PlumeOS version 2.1.1.0, detailing new features, bug fixes, known issues (errata), and upgrade instructions for supported platforms including 841-t6, 834-5, 834-v6, 854-6, and 854-v6.
	ADTRAN 834-v6 Service Delivery Gateway Quick Start Guide Quick start guide for the ADTRAN 834-v6 Service Delivery Gateway, a Wi-Fi 6 Gigabit Router. Covers installation, features, and specifications.
	Adtran SDG-8610 WiFi 6 Gigabit Router Quick Start Guide Get started with your Adtran SDG-8610 WiFi 6 Gigabit Router. This guide covers installation, setup, status indicators, and specifications for this advanced networking device.

	[ADTRAN 814-v6 Home Gateway Unit Quick Start Guide](#) This guide provides a quick start for installing and setting up the ADTRAN 814-v6 Home Gateway Unit, a Wi-Fi 6 GPON HGU.
	[ADTRAN 825-v6 Home Gateway Unit Quick Start Guide](#) A quick start guide for installing the ADTRAN 825-v6 Home Gateway Unit, a Wi-Fi 6 XGS-PON HGU designed for premium multi-Gigabit services. Includes features, installation instructions, mounting options, and status LED explanations.
	[ADTRAN DSU III ARdc Data Service Unit User Manual](#) User manual for the ADTRAN DSU III ARdc Data Service Unit, detailing installation, configuration, operation, and troubleshooting for DDS and Switched 56 networks.