



Manuals.plus /

- › ADTRAN /
- › ADTRAN NetVanta 818 Router Appliance User Manual

ADTRAN 818

ADTRAN NetVanta 818 Router Appliance User Manual

Model: 818 | Brand: ADTRAN

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the ADTRAN NetVanta 818 Router Appliance. The NetVanta 818 is designed to provide robust and reliable network connectivity solutions for various environments. Please read this manual thoroughly before operating the device to ensure proper setup and optimal performance.

2. PRODUCT OVERVIEW

The ADTRAN NetVanta 818 is a versatile router appliance engineered for efficient data routing and network management. It features multiple ports for connectivity and is powered by Adtran OS, offering a comprehensive suite of networking capabilities.



Figure 1: Front view of the ADTRAN NetVanta 818 Router Appliance, showing its compact design and port layout.

3. SETUP AND INSTALLATION

Follow these steps to properly set up your NetVanta 818 Router Appliance:

1. **Unpack the Device:** Carefully remove the router from its packaging. Verify that all components are present.
2. **Placement:** Position the router on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Ensure adequate space for cable connections.
3. **Power Connection:** Connect the provided power adapter to the router's power input port and then plug it into a standard electrical outlet. The power indicator light should illuminate.
4. **Network Connections:**
 - Connect your Internet Service Provider's (ISP) modem or network device to the appropriate WAN port on the NetVanta 818 using an Ethernet cable.
 - Connect your local network devices (e.g., computers, switches) to the available LAN ports using Ethernet cables.
5. **Initial Configuration:** Refer to the Operating Instructions section for details on accessing the router's management interface for initial configuration.

4. OPERATING INSTRUCTIONS

The NetVanta 818 operates on Adtran OS, providing a robust command-line interface (CLI) and potentially a web-based graphical user interface (GUI) for configuration and monitoring.

4.1 Accessing the Management Interface

To configure your router, you will typically access its management interface:

- **Web GUI:** Open a web browser on a computer connected to the router's LAN port. Enter the router's default IP

address (e.g., 192.168.1.1) into the address bar. You will be prompted for a username and password. Consult the ADTRAN documentation for default credentials.

- **Command Line Interface (CLI):** Connect to the router via a console cable (if available) or SSH/Telnet from a networked computer. Use a terminal emulator program to access the CLI.

4.2 Basic Configuration

Once logged in, you can perform various configurations:

- **WAN Configuration:** Set up your Internet connection parameters (e.g., DHCP, Static IP, PPPoE).
- **LAN Configuration:** Configure the local area network settings, including IP address range and DHCP server.
- **Security Settings:** Implement firewall rules, port forwarding, and VPN settings as needed. The device supports WPS for simplified security setup.
- **Firmware Updates:** Regularly check for and apply firmware updates to ensure optimal performance and security.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your NetVanta 818 Router Appliance.

- **Keep Clean:** Periodically clean the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners or solvents. Ensure ventilation openings are free from dust and obstructions.
- **Firmware Updates:** Regularly check the ADTRAN support website for the latest firmware versions. Applying updates can improve performance, add new features, and address security vulnerabilities.
- **Environmental Conditions:** Operate the router within its specified temperature and humidity ranges. Avoid extreme conditions that could damage the device.
- **Backup Configuration:** Periodically back up your router's configuration settings. This allows for quick restoration in case of a reset or device replacement.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your NetVanta 818 Router Appliance.

- **No Power:**
 - Ensure the power adapter is securely connected to both the router and a working electrical outlet.
 - Verify the power outlet is functional by plugging in another device.
- **No Internet Connection:**
 - Check that the WAN cable from your modem is securely connected to the router's WAN port.
 - Restart your modem and then your router.
 - Verify your WAN configuration settings in the router's management interface.
 - Contact your Internet Service Provider if the issue persists.
- **Cannot Access Management Interface:**
 - Ensure your computer is connected to a LAN port of the router.
 - Verify your computer's IP settings are set to obtain an IP address automatically (DHCP).
 - Try pinging the router's default IP address (e.g., 192.168.1.1).
 - If you forgot the password, you may need to perform a factory reset (consult ADTRAN documentation for specific steps, as this will erase all configurations).

7. SPECIFICATIONS

The following table outlines the key technical specifications for the ADTRAN NetVanta 818 Router Appliance:

Feature	Description
Brand	ADTRAN
Model Name	818
Operating System	Adtran OS
Number of Ports	8
LAN Port Bandwidth	10/100 megabits per second
Connectivity Technology	SFP
Special Feature	WPS
Compatible Devices	Personal Computer
Recommended Uses	Home
Package Dimensions	17 x 10 x 2 inches

8. WARRANTY AND SUPPORT

ADTRAN products typically come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official ADTRAN website. Technical support and additional resources, including updated documentation and software downloads, are available through the ADTRAN support portal.

For assistance, please visit: www.adtran.com/support