Manuals+
Q & A | Deep Search | Upload

ADTRAN 1202820F1

ADTRAN Router User Manual

Model: 1202820F1

Introduction Safety Information Package Contents Setup Operation Maintenance Troubleshooting Specifications Support

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ADTRAN Router, Model 1202820F1. This device is designed to deliver high-performance networking solutions, including broadband access, high-speed Ethernet, and secure corporate connectivity. It supports advanced features such as load balancing, failover, Power over Ethernet (PoE), Quality of Service (QoS) for VoIP, VLAN switching, and integrated Wi-Fi access control.

Figure 1: ADTRAN Router Model 1202820F1. This image shows the compact design of the router, highlighting its various ports and indicators on the front panel.

2. Safety Information

Please read all safety instructions carefully before operating the device. Failure to follow these guidelines may result in injury, damage to the device, or property damage.

- **Power Source:** Use only the power adapter supplied with the device. Ensure the power outlet meets the specified voltage requirements.
- **Ventilation:** Do not block any ventilation openings. Ensure adequate airflow around the device to prevent overheating.
- **Location:** Place the device on a stable, flat surface away from direct sunlight, heat sources, and moisture. Avoid placing it near strong electromagnetic fields.
- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. Package Contents

Verify that all items are present in the package:

- ADTRAN Router (Model 1202820F1)
- Power Adapter
- Ethernet Cable
- Quick Start Guide
- Warranty Information Card

4. Setup

4.1 Physical Installation

1. **Placement:** Choose a central location for the router to ensure optimal signal distribution. Avoid enclosed spaces or areas with significant interference.
2. **Connect Power:** Plug the power adapter into the router's power port, then plug the other end into a wall outlet. The power indicator light should illuminate.
3. **Connect to Internet (WAN):** Connect one end of the Ethernet cable to your modem's LAN port and the other end to the router's WAN (Internet) port.
4. **Connect Devices (LAN):** For wired connections, connect Ethernet cables from your computers or other network devices to any of the router's LAN ports.

4.2 Initial Configuration

Refer to the Quick Start Guide for initial network setup and accessing the router's web-based management interface. Typically, you will connect a computer to the router via Ethernet or Wi-Fi and navigate to a default IP address (e.g., 192.168.1.1) in your web browser.

5. Operating Instructions

The ADTRAN Router offers a robust set of features for advanced network management. Access these features through the web-based management interface.

5.1 Key Features and Functions

- **Broadband Access & High-Speed Ethernet:** Configures the router for optimal performance with various broadband services, supporting high-speed data transfer.
- **Load Balancing & Failover (BGP):** Manages multiple Internet connections to distribute traffic efficiently and ensure continuous connectivity in case one link fails.
- **Multi-T1 Internet Access:** Supports connections requiring up to eight T1 lines for enhanced WAN access and corporate connectivity.
- **Power over Ethernet (PoE):** Provides power to compatible devices (e.g., IP phones, wireless access points) directly through Ethernet cables, simplifying deployment.
- **Quality of Service (QoS) for VoIP:** Prioritizes voice and video traffic to ensure clear, uninterrupted communication over IP networks.
- **Secure Internet Access (Firewall/NAT):** Implements firewall rules and Network Address Translation (NAT) to protect your network from external threats and manage IP addresses.
- **VLAN Switching & Inter-VLAN Routing:** Allows for the creation of virtual local area networks (VLANs) to

segment network traffic, improving security and performance.

- **Wi-Fi Access Controller:** Centralized management for ADTRAN Wireless Access Points (WAPs) connected to the network, simplifying Wi-Fi deployment and configuration.

5.2 Accessing the Management Interface

To configure these features, open a web browser and enter the router's IP address (e.g., http://192.168.1.1). Log in with your administrator credentials. Consult the Quick Start Guide or the full user manual (available online) for detailed instructions on specific configurations.

6. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your ADTRAN Router.

- **Firmware Updates:** Periodically check the ADTRAN support website for firmware updates. Keeping your firmware current ensures access to the latest features, security patches, and performance improvements.
- **Cleaning:** Gently wipe the exterior of the router with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents. Ensure ventilation openings are free of dust and debris.
- **Restarting:** If the router experiences performance issues, a simple restart can often resolve them. Disconnect the power, wait 10 seconds, then reconnect.
- **Backup Configuration:** Regularly back up your router's configuration settings through the web management interface. This allows for quick restoration in case of a factory reset or device replacement.

7. Troubleshooting

This section addresses common issues you might encounter with your ADTRAN Router.

Problem	Possible Cause	Solution
No Power Indicator Light	Power adapter not connected or faulty outlet.	Ensure power adapter is securely connected to both the router and a working power outlet. Try a different outlet.
No Internet Connection	WAN cable disconnected, modem issue, or incorrect router configuration.	Check WAN cable connection. Restart modem and router. Verify WAN settings in the router's management interface.
Slow Network Speed	Network congestion, outdated firmware, or interference.	Reduce active devices/downloads. Update router firmware. Check for sources of interference (e.g., other electronics).
Cannot Access Management Interface	Incorrect IP address, network configuration issue, or firewall blocking access.	Ensure your device is connected to the router. Verify the router's IP address. Temporarily disable your computer's firewall.

If the problem persists, perform a factory reset (refer to the Quick Start Guide for instructions) or contact ADTRAN support.

8. Specifications

Technical specifications for the ADTRAN Router Model 1202820F1:

- **Model Number:** 1202820F1
- **Manufacturer:** ADTRAN
- **Product Dimensions:** 4.7 x 13 x 14.1 inches (11.9 x 33 x 35.8 cm)
- **Item Weight:** 11.13 pounds (5.05 kg)
- **ASIN:** B01BYKFN9C
- **Date First Available:** February 19, 2016
- **Connectivity:** Ethernet (WAN/LAN), Multi-T1
- **Features:** RapidRoute, BGP, PoE, QoS, NAT, Firewall, VLAN, Wi-Fi Access Controller

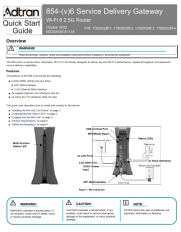
9. Warranty and Support

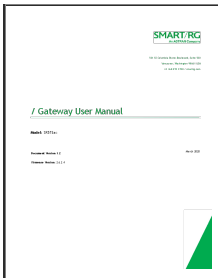
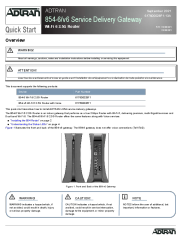
For warranty information, please refer to the warranty card included in your product package or visit the official ADTRAN website. ADTRAN offers technical support for its products.
ADTRAN Support:

- **Online Resources:** Visit the ADTRAN support portal for FAQs, documentation, and firmware downloads.
- **Contact Support:** For direct assistance, please contact ADTRAN customer service during business hours. Contact details can be found on the official ADTRAN website.

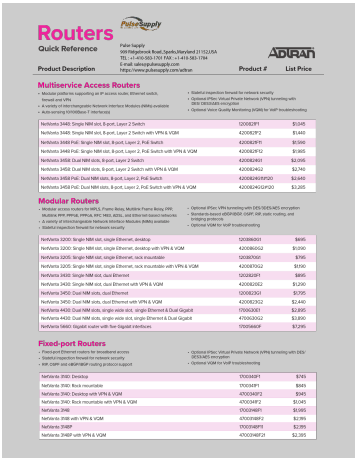
© 2024 ADTRAN. All rights reserved.

Related Documents - 1202820F1

	ADTRAN 834-5 Service Delivery Gateway Quick Start Guide Quick start guide for the ADTRAN 834-5 Service Delivery Gateway, a Wi-Fi 5 Gigabit Router. Includes installation, features, specifications, and safety information.
	Adtran 854-(v)6 Wi-Fi 6 2.5G Router: Quick Start Guide This guide provides quick start instructions for installing and connecting the Adtran 854-(v)6 Wi-Fi 6 2.5G Router, covering setup, status LEDs, product specifications, and safety information.
	ADTRAN NetVanta ActivReach Media Converter 1702595G12 Quick Start Guide Quick start guide for the ADTRAN NetVanta ActivReach Media Converter (P/N 1702595G12), detailing specifications, installation, and LED indicators for converting ActivReach Ethernet to 10/100Base-T.

	[SmartRG SR515ac Gateway User Manual] Comprehensive user manual for the SmartRG SR515ac Gateway, detailing installation, configuration, and management of network features. Includes setup guides, troubleshooting, and advanced settings for optimal broadband performance.
	[SMART/RG SR400ac WiFi Gateway Quick Start Guide | Setup & Configuration] Get started with your SMART/RG SR400ac WiFi Gateway. This quick start guide provides essential instructions for installation, LED indicators, logging in, and WiFi setup.
	[ADTRAN 854-6/v6 Service Delivery Gateway Quick Start Guide] This document provides a quick start guide for ADTRAN's 854-6 and 854-v6 Wi-Fi 6 2.5G Service Delivery Gateways. It covers product features, installation steps, connection options, status LED indicators, product specifications, and essential safety and regulatory information.

Documents - ADTRAN – 1202820F1

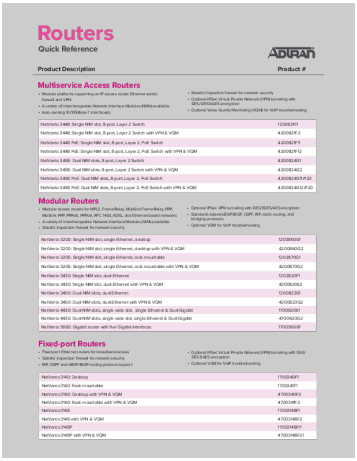


[pdf] Troubleshooting Guide Reference Guide Guide

Netvanta Router Quick Reference Guide Alternative to Cisco Routers ADTRAN NetVanta For Sale adtran routers matrix 2021 pulsesupply images |||

Routers Quick Reference Product Description Pulse Supply 909 Ridgebrook Road.,Sparks,Maryland 21152 ... NetVanta 5660: Gigabit router with five Gigabit interfaces 1203860G1 4200860G2 1203870G1 4200870G2 **1202820F1** 4200820E2 1200823G1 4200823G2 1700630E1 4700630G2 17005660F 695 1,090 795 1,190 895 ...

lang:en score:39 filesize: 169.77 K page_count: 2 document date: 2021-05-05

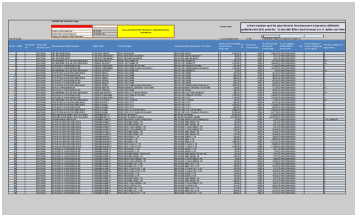


[pdf] Troubleshooting Guide

Eq3163A2XOAL1SqYcAnVGWHrPdqInWI3 adtran media amasty amfile attach Read More Business Networking By Application Industry Solution Solutions |||

Routers Quick Reference Product Description Product # Multiservice Access Routers Modular platfo ... NetVanta 5660: Gigabit router with five Gigabit interfaces 1203860G1 4200860G2 1203870G1 4200870G2 **1202820F1** 4200820E2 1200823G1 4200823G2 1700630E1 4700630G2 17005660F Fixed-port Routers Fixed-por...

lang:en score:24 filesize: 103.87 K page_count: 2 document date: 2021-09-13



[pdf] Price List

Barnes Devlynne Afk3D132ibNJyZexQipTIo6dCDn 8 lug 2022 — 1 ADTRAN IAD PROSERVICES 1100 PROCRBAS PROCARE BASIC 628 00 $ 10% 465 20 E 2 Afk3D132ibNJyZexQipTIo6dCDnNOQIP adtran media amasty amfile attach |||

ALJP2022 RFP ALJP Price Listing Top 40 on top Proposed Product Line Proposing Company Name: Propos ... 0927L18 1200927L19 1200927L23 1200950G1 1200961L1 1202289L1 1202289L2 1202289L3 1202470E1 1202471G1 **1202820F1** 1202826F1 1202827G1 1202880E1 1202862L1 1202863L1 1202872L1 1202880E1 12025890E1 1203376L1...

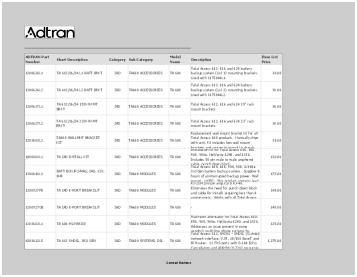
lang:i-klingon score:16 filesize: 656.27 K page_count: 21 document date: 2021-12-15

[pdf]

efrancis State of Texas DIR portal adtran 80 pub Library WSCA |||

Model TA 850 TA 850 TA 850 TA 850 TA 850 Part Number Description 1175006L2 1175043L3 Power Suppl ... and NetVanta 3200. List Price Discount Extended Price Fee 100.00 44 56.00 NETVANTA 3000 **1202820F1** Modular access router that includes one 1 network interface slot and two 2 integral 1...

lang:en score:14 filesize: 1.21 M page_count: 349 document date: 2018-01-03



[pdf] Installation Guide Accessories Price List

global price list NV3430 2ND GEN W DUAL T1TERNETWORK INTERNETWORKING ROUNETVANTA 3 Modular This is a AC Supply Battery Charger with cables to connect OPIT adtran media resources s documents rev 199fa3e506b54b1e9806ec8b0d2ddc9f hash D34C5A848483CAB90BD13F5FE57B4E0B |||

ADTRAN Part Number Short Description Category Sub Category Model Name 1200626L1 TA 612/16/24 L1 ... 00639G1US 1700945F1 1700948F1 1700949F1 1700952F1 1700965F1 1700966F1 1200821F1 1200823G1 1200824G1 **1202820F1** Short Description Category Sub Category Model Name Description Item List Price The N...

lang:en score:14 filesize: 911.97 K page_count: 115 document date: 2023-02-09

[pdf] Decleration of Conformity Catalog

efrancis Model Part Number Description List Price Discount Unilog DPT 50 pin AMP connector for FXO connectivity The Total Access 1500 uses the 1180407L1 its card $311 00 35% $202 15 TA 850 1175408L2 Quad FXS ADTRAN 1700595G10 Catalog assets unilogcorp 267 ITEM DOC |||

Model TA 850 TA 850 TA 850 TA 850 TA 850 Part Number Description 1175006L2 1175043L3 Power Suppl ... and NetVanta 3200. List Price Discount Extended Price Fee 100.00 44 56.00 NETVANTA 3000 **1202820F1** Modular access router that includes one 1 network interface slot and two 2 integral 1...

lang:en score:12 filesize: 1.21 M page_count: 349 document date: 2018-01-03