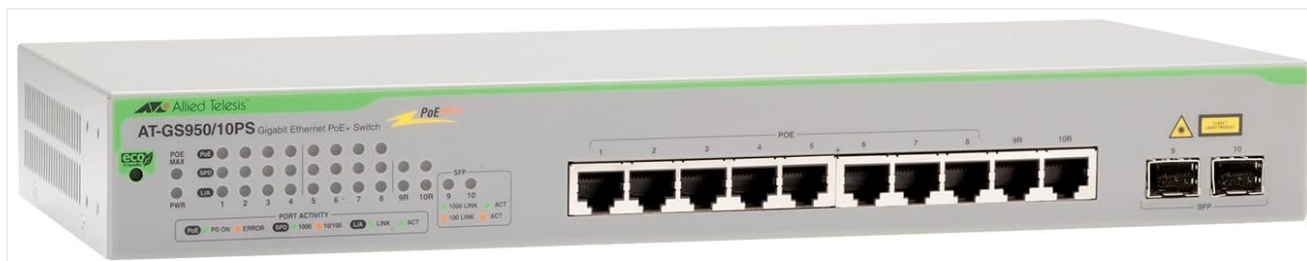**Allied Telesis AT-GS950/10PS**

ALLIED TELESIS AT-GS950/10PS Gigabit Ethernet PoE+ Switch User Manual

Model: AT-GS950/10PS

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Allied Telesis AT-GS950/10PS Gigabit Ethernet PoE+ Switch. This device is designed to provide reliable network connectivity with Power over Ethernet capabilities for various applications.

The AT-GS950/10PS is a managed switch featuring 8 Power over Ethernet Plus (PoE+) ports, 2 Gigabit Ethernet ports, and 2 SFP combo ports. It supports web-based management for easy configuration and monitoring.

Figure 1: Front view of the Allied Telesis AT-GS950/10PS Gigabit Ethernet PoE+ Switch, showing the 8 PoE+ ports, 2 Gigabit ports, 2 SFP combo ports, and LED indicators for power, PoE status, speed, link, and activity.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- Allied Telesis AT-GS950/10PS Gigabit Ethernet PoE+ Switch
- Mounting kit
- Rack mounting kit
- Power adapter (not explicitly listed but implied for operation)
- Quick Start Guide (not explicitly listed but typical)

If any items are missing or damaged, please contact your vendor or Allied Telesis support.

3. SETUP AND INSTALLATION

3.1. Physical Placement

The AT-GS950/10PS switch can be installed in a desktop, rack-mountable, or wall-mountable configuration. Ensure adequate ventilation around the unit to prevent overheating. Avoid placing the switch near sources of electromagnetic interference, excessive dust, or moisture.

3.2. Power Connection

1. Connect the power adapter to the power input port on the rear panel of the switch.
2. Plug the power adapter into a suitable AC power outlet.
3. The PWR LED on the front panel will illuminate, indicating that the switch is receiving power.

3.3. Network Connections

Connect network devices (e.g., computers, servers, access points, IP cameras) to the switch using standard Ethernet cables.

- **RJ-45 Ports (1-8):** These are 10/100/1000BASE-T PoE+ ports. Connect PoE-compatible devices to these ports to provide both data and power.
- **RJ-45 Ports (9R, 10R):** These are 10/100/1000BASE-T Gigabit Ethernet ports.
- **SFP Combo Ports (9, 10):** These ports are shared with RJ-45 ports 9R and 10R. Insert compatible SFP transceivers for fiber optic connections. When an SFP module is inserted, the corresponding RJ-45 port is disabled.

3.4. Initial Configuration (Web-based Management)

The switch features web-based management for configuration. Refer to the separate "Web-based Management Guide" for detailed instructions on accessing and configuring the switch's settings, including VLANs, QoS, and port settings.

4. OPERATING THE SWITCH

4.1. LED Indicators

The front panel LEDs provide real-time status information about the switch and its ports.

LED	Status	Description
PWR	Green	The switch is powered on.
PoE MAX	Amber	Indicates that the total PoE power budget is nearing or exceeding its limit.
PoE (per port)	Green	Power is being supplied to the connected PoE device.
SPD (per port)	Green	Port is operating at 1000 Mbps (Gigabit).
	Amber	Port is operating at 10/100 Mbps.
LINK/ACT (per port)	Green (Solid)	A valid network link is established.
	Green (Flashing)	Data activity is occurring on the port.

4.2. Power over Ethernet Plus (PoE+)

The AT-GS950/10PS provides up to 30 watts of power per port on ports 1-8, compliant with IEEE 802.3at (PoE+). This allows for powering devices such as wireless access points, IP cameras, and VoIP phones directly through the Ethernet cable, simplifying deployment and reducing cabling requirements.

5. Maintenance

5.1. Cleaning

Ensure the switch is powered off and disconnected from all cables before cleaning. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid or aerosol cleaners, as they may damage the device.

5.2. Firmware Updates

Periodically check the Allied Telesis website for available firmware updates. Firmware updates can provide new features, performance improvements, and security enhancements. Follow the instructions provided with the firmware update package carefully.

5.3. Environmental Considerations

Maintain the operating environment within the recommended temperature and humidity ranges specified in the product's technical specifications to ensure optimal performance and longevity of the switch.

6. Troubleshooting

This section provides solutions to common issues you may encounter with the AT-GS950/10PS switch.

6.1. No Power

- Ensure the power adapter is securely connected to both the switch and a working power outlet.
- Verify that the power outlet is functional by plugging in another device.
- Check the PWR LED on the front panel. If it is off, the switch is not receiving power.

6.2. No Network Link

- Ensure the Ethernet cable is securely connected to both the switch port and the network device.
- Verify that the LINK/ACT LED for the connected port is solid green. If not, try a different cable or port.
- Check the network device to ensure it is powered on and functioning correctly.
- For SFP ports, ensure the SFP module is correctly inserted and compatible.

6.3. PoE Device Not Receiving Power

- Ensure the device connected is PoE-compatible (IEEE 802.3af/at).
- Verify that the PoE LED for the specific port is illuminated.
- Check the PoE MAX LED. If it is amber, the switch may be exceeding its total power budget. Disconnect non-essential PoE devices or reduce power consumption.
- Ensure the Ethernet cable is capable of carrying power (standard Cat5e or higher).

6.4. Resetting the Switch

If the switch is unresponsive or experiencing persistent issues, a factory reset may be necessary. Refer to the "Web-based Management Guide" for instructions on performing a factory reset, as this will erase all custom configurations.

7. Specifications

Feature	Detail
Model Number	AT-GS950/10PS

Feature	Detail
Brand	Allied Telesis
Interface Type	PoE, SFP
Data Transfer Rate	1000 Megabits Per Second
Number of Ports	10 (8 PoE+, 2 Gigabit, 2 SFP Combo)
RAM	64 MB
Flash Memory Size	16 MB
Product Dimensions (LxWxH)	15.75 x 11 x 3.25 inches
Item Weight	7.2 ounces
Mounting Options	Desktop, Rack-Mountable, Wall-Mountable
Management	Web-based (Managed)

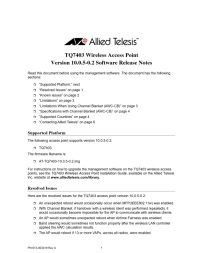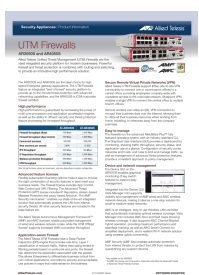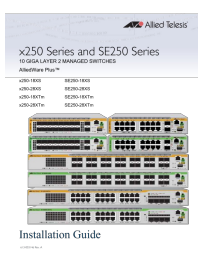# 8. WARRANTY AND SUPPORT

8.1. Product Warranty

Allied Telesis products are covered by a limited warranty. For detailed information regarding the warranty period and terms, please refer to the warranty statement available on the official Allied Telesis website or contact your local sales representative.

8.2. Technical Support

For technical assistance, product documentation, or to download the latest firmware, please visit the official Allied Telesis support website. You can also contact Allied Telesis technical support directly for further assistance.

Note: Always refer to the latest documentation available on the manufacturer's website for the most up-to-date information.

Related Documents - AT-GS950/10PS

[Allied Telesis GS970M Series Command Reference for AlliedWare Plus](#)
Comprehensive command reference for Allied Telesis GS970M Series Managed Gigabit Ethernet Switches running AlliedWare Plus Operating System version 5.4.7-1.x. Covers CLI navigation, file management, user access, and advanced networking features.

AT-AR1050V

ベーシックVPNアクセスルーター

AT-AR1050V

取扱説明書

Allied Telesis

[AT-AR1050V VPN   - Allied Telesis](#)

AT-AR1050V   VPN

TQ3403
AT-TQ3403

Installation Guide

[Allied Telesis TQ3403 Access Point Installation Guide](#)

This installation guide provides detailed instructions for setting up and installing the Allied Telesis TQ3403 Wireless Access Point, covering hardware components, mounting, connectivity, and safety.

[Allied Telesis TQ7403 Wireless Access Point Version 10.0.5-0.2 Software Release Notes](#)

This document provides release notes for the Allied Telesis TQ7403 Wireless Access Point, version 10.0.5-0.2. It details supported platforms, resolved issues, known issues, limitations, specifications with Channel Blanket (AWC-CB), and supported countries.

[Allied Telesis AR3050S and AR4050S UTM Firewalls: Integrated Security and Network Management](#)

Explore the Allied Telesis AR3050S and AR4050S Unified Threat Management (UTM) Firewalls, offering robust integrated security, advanced threat protection, comprehensive network management, and seamless wireless control for modern business environments.

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x250 Series and SE250 Series
10 GIGA LAYER 2 MANAGED SWITCHES
AlliedWare Plus™

x250-18XS	SE250-18XS
x250-28XS	SE250-28XS
x250-18XTm	SE250-18XTm
x250-28XTm	SE250-28XTm

Installation Guide

[Allied Telesis x250 & SE250 Series 10 Gbps Layer 2 Managed Switches Installation Guide](#)

This installation guide provides comprehensive instructions for setting up and configuring the Allied Telesis x250 and SE250 Series 10 Gigabit Layer 2 Managed Switches. It covers hardware installation, Virtual Chassis Stacking (VCStack), software configuration, and troubleshooting for models including x250-18XS, x250-28XS, x250-18XTm, x250-28XTm, SE250-18XS, SE250-28XS, SE250-18XTm, and SE250-28XTm, running AlliedWare Plus.