



AT-S106 Version 1.2.0 Management Software Release Notes AT-GS950/48 Gigabit Ethernet WebSmart Switch

Please read this document before you begin to use the management software.

NOTE

This document is intended for a **GREEN** AT-GS950/48 switch that displays the following **GREEN ECO-friendly** symbol on the left side of the front panel:



If you do not find this **GREEN ECO-friendly** symbol on the front panel of your switch, please go to the Product Legacy web page at <http://www.alliedtelesis.com/support/legacy> for the latest product documentation and firmware for your product. On this web page, select "Switches" in the **Product Category** field and select "AT-GS950/48" from the **Product Name** field.

Supported Platforms

The AT-S106 Version 1.2.0 is supported on the AT-GS950/48 Gigabit Ethernet WebSmart switch.

Product Documentation

For the AT-GS950/48 Gigabit Ethernet WebSmart documentation, refer to the following guides:

- *AT-GS950/48 Gigabit Ethernet WebSmart Switch Installation Guide*
- *AT-S106 Management Software User's Guide*

Both documents are available in portable document format (PDF) on our web site. For instructions to view or download these documents, go to "Management Software Updates" on page 6 for further information.

What's New in Version 1.2.0

New Features

- ❑ None

Resolved Issues

- ❑ The AT-SBPBD10-13 and AT-SPBFD10-14 SFP modules are now compatible with the AT-GS950/48 switch. Previously, these SFP modules did not operate properly in these switches.
- ❑ The IP address can now contain a 255 word within it. Previously, an error message was displayed and an address containing a 255 word was not accepted.
- ❑ After you select **Delete** for all usernames/passwords defined on the System --> Management web page (including the default Manager username/password), all users are now allowed web access to the switch's management firmware without the need for entering a username/password. Previously, no management access was allowed under these conditions.

Operational Notes

- ❑ The AT-GS950/48 Gigabit Ethernet WebSmart Switch automatically saves power based on the following conditions.
 - Energy Detect: When the link status of any port is DOWN, the port defaults to a low energy state until a link is established.
 - Active Power Management: When any port is operating at 1 Gbps (link status is UP), the transmit power of the port is automatically adjusted directly proportional to the length of the Ethernet cable.
 - When any port is operating at 10 or 100 Mbps (link status UP), no active power management comes into play
- ❑ On the AT-GS950/48 switch, Flow Control is functional between ports 1 - 24 or between ports 25 - 48. It is not functional between a port in the first group and another port in the second group.

Known Issues

The following issue was found in this release:

Allied Telesis Inc. recommends that MAC Based Authentication and 802.1x Forced Authorized mode not be configured simultaneously. If you do elect to implement this configuration on a port, it may interfere with STP, RSTP, and/or EAP forwarding packets being received or transmitted on that port.

Also, if this configuration is implemented on all ports simultaneously, the AT-S106 WEB management interface may become inaccessible.

Features History

Version 1.0.0 Software Features

The AT-S106 Version 1.0.0 Management Software supports the following features:

- Web-based interface
- Basic Port Configuration
- Dynamic Host Configuration Protocol (DHCP)
- IP Access List
- Port-based and tagged VLANs
- Quality of Service (QoS) support
- Port trunking
- Port mirroring
- Spanning Tree (STP) and Rapid Spanning Tree (RSTP)
- IGMP Snooping supporting IGMP versions 1 and 2
- Simple Network Management Protocol (SNMP) versions SNMPv1 and SNMPv2c
- Storm Control
- Static multicast addresses
- 802.1x Port-based Network Access Control (IEEE 802.1x)
- Remote Authentication Dial In User Services (RADIUS) client
- Destination MAC Filter
- TFTP and HTTP to upgrade the firmware image
- Configuration File Upload/Download
- Traffic, error, and history statistics
- Control of LED ECO Mode
- Ping Execution

Version 1.1.0 Software Features

The following features have been added to the AT-S106 Version 1.2.0 software:

- ❑ ACL - Access Control Lists are now supported by port, Mac Address or IP address.
- ❑ LACP Standby Mode - No additional setting is required for LACP Standby mode. The standby feature only works when you select more port members than the trunk limitation. For example, since the AT-GS950/48 allows a maximum of 8 ports in a trunk, when you select 10 ports in trunk, the lower numbered 8 ports will be active and the remaining 2 ports AUTOMATICALLY become standby ports. So when 1 port is bad, one of the standby ports becomes the active port.

You can NOT intentionally assign a port as a standby port. If you select 5 ports for a trunk and the remote trunk partner supports only 4 members per trunk, the fifth port is automatically placed into standby mode. However, all 5 ports become active if the remote trunk partner supports 5 or more ports per trunk.

Based on the max number of ports in each trunk, when users select more ports than the limit, the extra ports become standby ports automatically.

- ❑ RMON - The AT-GS950/48 now supports the following RMON MIB groups:
 - Statistic group
 - History group
 - Alarm group
 - Event group

Version 1.1.0 Resolved Issue History

- ❑ When a trunk is applied, the AT-GS950/48 checks the lowest numbered port for its duplex mode. If the duplex mode is half-duplex, a pop up error message is displayed to users, If the duplex mode is full-duplex, the speed and duplex settings are copied from the lowest numbered port to other ports in the trunk. This insures that all port members are transmitting and receiving traffic at the same data rate.

AT-GS950/48 Hardware Features

The AT-GS950/48 Gigabit Ethernet WebSmart Switch has the following features:

- ❑ 44 Auto-Negotiating 10/100/1000Base-T twisted pair ports (1 - 44) with RJ-45 connectors
- ❑ Four uplink combo ports consisting of 100FX/1000SX/LX SFP ports (45 - 48) with four Auto-Negotiating redundant 10/100/1000Base-T twisted pair ports (45R - 48R) with RJ-45 connectors
- ❑ Store and Forward switching supports line rates of:
 - 1,488,000 pps (1000 MB/sec)
 - 148,800 pps (100 MB/sec)
 - 14,880 pps (10 MB/sec)
- ❑ Jumbo frames supported up to 10 KB
- ❑ Non-Blocking Full-Wire speed switching on all packet sizes

- ❑ MAC address table capacity of up to 8K addresses with automatic aging
- ❑ IEEE 802, IEEE 802.3, IEEE 802.3u, and IEEE802.3z
- ❑ IEEE 802.3x supports
 - Flow Control in full-duplex operation
 - Back Pressure in half-duplex operation
 - Auto MDI/MDI-X on all twisted pair ports (including combo ports)
- ❑ eco-friendly switch for enabling/disabling port LEDs and for resetting the switch
- ❑ Minimizes transmit signal power on each GE port based on the specific cable length to the end point
- ❑ Each port assumes low power mode when link goes down
- ❑ Installation on desktop, mounted on the wall, and mounted in a 19” rack.
- ❑ Front panel LEDs for unit and port status
- ❑ Web-based configuration using the AT-S106 Management software

Contacting Allied Telesis

This section provides Allied Telesis contact information for technical support as well as sales or corporate information.

Online Support

You can request technical support online by accessing the Allied Telesis Knowledge Base at **www.alliedtelesis.com/supportcenter**. You can use the Knowledge Base to submit questions to our technical support staff and review answers to previously asked questions.

Email and Telephone Support

For Technical Support via email or telephone, refer to the Support & Services section of the Allied Telesis web site: **www.alliedtelesis.com/support**. Select your country from the list displayed on the website. then select the appropriate menu tab.

Warranty

For hardware warranty information, refer to the Allied Telesis web site at **www.alliedtelesis.com/support/warranty**.

Returning Products

Products for return or repair must first be assigned a return materials authorization (RMA) number. A product sent to Allied Telesis without an RMA number will be returned to the sender at the sender's expense.

To obtain an RMA number, contact the Allied Telesis Technical Support group at our web site: **www.alliedtelesis.com/support/rma**. Select your country from the list displayed on the website. Then select the appropriate menu tab.

Sales or Corporate Information

You can contact Allied Telesis for sales or corporate information through our web site: **www.alliedtelesis.com/purchase/direct**.

To find an office near you, select **www.alliedtelesis.com/office**.

Management Software Updates

New releases of management software for our managed products are available on our Allied Telesis web site at **<http://www.alliedtelesis.com/support/software>**.

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