AT-S105 Version 1.0.0 Management Software Software Release Notes AT-FS750/24POE and AT-FS750/48 Fast Ethernet WebSmart Switches

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

Supported Platforms

The AT-S105 Version 1.0.0 is supported on the AT-FS750/24POE and AT-FS750/48 Fast Ethernet WebSmart switches.

Product Documentation

For the AT-FS750/24POE and AT-FS750/48 documentation, refer to the following guides:

- *AT-FS750/24POE Fast Ethernet WebSmart Switch Installation Guide*
- *AT-FS750/48 Fast Ethernet WebSmart Switch Installation Guide*
- *AT-S105 Management Software User's Guide*

Both documents are available from the Allied Telesis web site at **www.alliedtelesis.com**.

What's New in Version 1.0.0

New Features

Version 1.0.0 Software Features

The AT-S105 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
- User-defined Power over Ethernet (PoE) on 12 PoE ports
- TFTP and HTTP to upgrade the firmware image
- Configuration File Upload/Download
- Traffic, error, and history statistics
- Control of LED ECO Mode
- Ping Execution

AT-FS750/24POE and AT-FS750/48 Hardware Features

The AT-FS750/24POE and AT-FS750/48 switches have the following features:

- 24/48 Auto-Negotiating 10/100Base-T twisted pair ports with RJ-45 connectors
- Two uplink combo ports that consist of two 10/100/1000Base-T twisted pair ports and two 100FX/1000SX/LX SFP ports
- 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)
- 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 802.3af POE compliant on ports 1 - 12 (Alternative A) on AT-FS750/24POE
- 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)
- ecoFriendly switch for enabling/disabling port LEDs and for resetting 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.
- Smart Fan with fan speed control, device acoustic noise less than 40dB (AT-FS750/24POE only)
- Front panel LEDs for unit and port status
- Web-based configuration using the AT-S105 Management software

Operational Notes

The following issue was found in this release:

- The AT-FS750/24POE and AT-FS750/48 switches automatically save 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: On the Gigabit Ethernet (combo) ports only, when the link status is UP, the transmit power of the port is automatically adjusted directly proportional to the length of the Ethernet cable.
  - On the Fast Ethernet (10/100MB) ports with the link status UP, no active power management comes into play
- Flow Control is functional between any ports (1 - 26) on the AT-FS750/24POE switch
- On the AT-FS750/48 switch, Flow Control is functional between ports 1 - 24 or between ports 25 - 50. It is not functional between a port in the first group and another port in the second group.

Known Issues

- Flow Control does not operate properly on the AT-FS750/48 when the Egress Rate Limit is < 1920 kbps.
- 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-S105 WEB management interface may become inaccessible.

Features History

- None

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: **www.alliedtelesis.com/support/kb.aspx**. 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 section of the Allied Telesis web site: **www.alliedtelesis.com/support**.

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. For instructions on how to obtain an RMA number, go to the Support section on our web site at **www.alliedtelesis.com/support/rma.aspx**.

For Sales or Corporate Information

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

Obtaining Management Software Updates

New releases of management software for our managed products are available from either of the following Internet sites:

- Allied Telesis web site: **www.alliedtelesis.com**
- Allied Telesis FTP server: **ftp://ftp.alliedtelesis.com**

You must have FTP client software to download new software from the Allied Telesis FTP server from your workstation's command prompt and you must log in to the server. The user name is "anonymous" and your email address is the password.

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