AT-GS950/8POE
8 port Gigabit Fanless PoE WebSmart Switch

AT-GS950/8POE-xx
8 port 10/100/1000T PoE WebSmart switch with 2 SFP combo ports

Performance
Allied Telesis’ WebSmart switch integrates the simplicity of unmanaged switches with the performance and reliability of managed switches to provide a cost-effective solution for users to integrate management at the edge of their network. This WebSmart switch provides a network manager some key features using the simple web-based management function such as: port-based VLANs, IEEE 802.1p QoS, port trunking/link aggregation, port mirroring, priority queues and IEEE 802.1x security support. With support of up to 8K MAC addresses, a 128K packet buffer and a fanless design, the AT-GS950/8POE is an ideal option for integrating management into your network solution.

Power over Ethernet
Capable of providing up to 4 ports of Class 3 (15.4W), the AT-GS950/8POE is ideally suited for those applications using security cameras, wireless access points, IP phones, and other PoE powered devices. The PoE option eliminates the need for power rewiring and minimizes the clutter of power supplies and adapters in awkward places. The silent, fanless operation is perfect for the classroom and other low-noise requirement application.

Value
Never thought you could afford managed switches in your network? Always wanted to provide management functionality at the edge? Now’s your chance. Allied Telesis’ WebSmart switch truly helps network managers get the most value for their dollar. With industry standard protocols, fiber media support via the SFP’s and simple Plug and Play usability right out of the box how can you go wrong implementing this cost-effective solution into your network?

Key Features

Basic features
- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3z/ab, IEEE 802.3x
- 8 10/100/1000Mbps auto-sensing, auto MDI-X switching port
- 2 individual SFP for combo ports that supports 100/1000Mbps (combo with ports 7 and 8), optical port has the higher priority
- PoE support (full 15.4 W on ports 1-4)
- Support backpressure flow control at half-duplex, IEEE 802.3x flow control at full-duplex
- Head of Line (HoL) blocking prevention
- 19-inch rack-mountable
- Internal power supply
- Standard 1U chassis high
- Fanless design
- 1Mbit (1024 kilobit) on-chip buffer memory

Smart function support
- VLAN ID’s available: 4K
- Max VLANs: 200 tagged + 56 port-based Web-based configuration interface
- Port-based VLANs
- IEEE 802.1p-based QoS support, four priority queues per port
- IEEE 802.3ad port trunking (four groups)
- Port setting / configuration
- IEEE 802.1D Spanning-Tree, IEEE 802.1w Rapid Spanning-Tree
- SNMP v1, v2
- Storm control
- Jumbo frames, up to 9KB
- Port setting on speed, flow control, and on-off
- Port mirroring
- Dynamic Host Configuration Protocol (DHCP)
- IEEE 802.1x port-based authentication
- Factory reset with hardware push button and software backdoor password
- Configuration backup/restore via TFTP / HTTP
- Password Access Control and restricted IP access list
- Firmware upgradeable via TFTP/HTTP

PoE features
- Auto-sensing algorithm - automatically detecting Power over Ethernet terminals and supplying inline power
- LED display of per-port-PoE status supported
- Supports IEEE 802.3af Data Terminal Equipment (DTE)
- RJ-45 wire pairs 4-5, 7-8 for power transmission

PoE features

- RFC 1213 MIB II, RFC 1643 Ethernet Interface MIB, RFC 1493 Bridge MIB, Private Enterprise MIB
- RFC 2131 DHCP client
- IGMP snooping v1 and v2
- RMON (history, statistics, alarms and events)
- ACL’s – drop or rate limit based on: source and destination MAC-based, source and destination IP address, protocol, ToS/DSCP, port, VLAN, Ethertype
# AT-GS950/8POE | 8 port Gigabit Fanless PoE WebSmart Switch

## Quality and Reliability
Allied Telesis is a worldwide leader in unmanaged Ethernet switches. Shipping more than 250,000 unmanaged switches each year, Allied Telesis offers proven reliability and industry recognized quality.

## Performance
- 14,880pps for 10Mbps Ethernet
- 148,800pps for 100Mbps Ethernet
- 1,488,000pps for 1000Mbps Ethernet

### MAC addresses
- 8K

### VLAN ID's available
- 4K

### Max VLANs
- 200 tagged + 56 port-based

### Packet buffer
- 1MB

### DRAM
- 32MB

### Flash
- 8MB

## Power Characteristics
- **Voltage**: 90-240V AC
- **Frequency**: 50/60Hz
- **PoE**: 50V/1.2A, 61.6W for PoE, DPSN-100CP under FAN less condition 59/6A, 30W for system, ADP-30JP

## Interface Connections
- **10/100/1000T**: RJ-45
- **SFP**: 100TX, 100FX, 100OT, 1000SX or 1000LX

## Environmental Specifications
- **Operating temp.**: 0°C to 40°C (32°F to 104°F)
- **Non-operating temp.**: -25°C to 70°C (-13°F to 158°F)
- **Operating humidity**: 5% to 90% non-condensing
- **Storage humidity**: 5% to 95% non-condensing
- **Vibration**: IEC 68-2-36
- **Shock**: IEC 68-2-29
- **Drop**: IEC 68-2-32

## Technical Specifications
### Physical Characteristics
- **Dimensions**: 33cm x 23cm x 4.3cm (W x D x H)
- **Weight**: 2.54Kg

## Standards and Compliance
- **IEEE 802.3**: CSMA/CD
- **IEEE 802.3i**: 10T
- **IEEE 802.3u**: 100TX
- **IEEE 802.3z**: 1000SX
- **IEEE 802.3z/ab**: 1000T
- **IEEE 802.3x**: Flow control
- **IEEE 802.1p**: Prioritization (four queues)
- **IEEE 802.1x**: Authentication
- **IEEE 802.1d**: Bridging
- **IEEE 802.3ad**: Link aggregation
- **IEEE 802.1Q**: Tagged VLAN
- **IEEE 802.1d/w**: Spanning-Tree
- **IEEE 802.3af**: PoE

## Ordering Information
- **AT-GS950/8POE-xx**: 8 port 10/100/1000T PoE fanless WebSmart switch with 2 SFP combo ports
- Where xx = 10 for US power cord 30 for UK power cord 40 for Australian power cord 50 for European power cord

## Product Contents
- Switch unit
- Rack-mount/wall-mount brackets and screws
- Power cord
- User manual/install guide on CD
- Rubber feet

## Electrical/Mechanical Approvals
- **UL 1950**
- **FCC/EN55022 Class A**
- **VCCI Class A**
- **C-Tick**
- **EN60950 (TUV)**
- **EN55024**
- **CE**
- **CSA / CUL**

## MTBF
- **256,000 hours**
- **Bellcore TR332**