Allied Telesis™

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 truely 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

- 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

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

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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
Switching capacity	16Gbps
Throughput	11.9Mpps

Power Characteristics

Voltage	90-240V AC
Frequency	50/60Hz
PoE	50V/1.2A, 61.6W for PoE, DPSN-100CP under FAN less condition 5V/6A, 30W for system, ADP-30JP

Interface Connections

10/100/1000T	RJ-45
SFP	100TX, 100FX, 1000T, 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 (W x D x H)	33cm x 23cm x 4.3cm 13 x 2.8 x 1.7in
Weight	2.54Kg 5.6lbs

Mounting Ability

All units come with wall / 19" rack-mount brackets

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 Rapid Spanning-Tree
IEEE 802.3af	PoE

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

Ordering Information

AT-GS950/8POE-xx
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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

Connecting The (IP) World

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