

# AT-GS950/16

## 16 port Gigabit WebSmart Switch



### AT-GS950/16-xx

16 port 10/100/1000T WebSmart switch with 2 SFP combo ports

### ECO-Friendly

The AT-GS950/16 eco-friendly WebSmart switch conforms with Allied Telesis' commitment to environmentally friendly processes and products. It is designed to minimize power consumption through the use of a high efficiency power supply and a low power chipset.

With a low 12.07W\* typical power consumption, and a reduction in power during after-work hours (overnight mode) – as well as other power saving features included as standard, the Allied Telesis AT-GS950/16 truly lives up to its name as an 'eco-friendly' switch. Not only does this help the planet by reducing the carbon footprint of each switch, it also lowers the Total Cost of Ownership (TCO) to the user, as the product costs less to run, and has improved reliability.

With all of these power saving features, the new eco friendly AT-GS950/16 saves the user over 25% in power consumption over non eco-friendly models.

### 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 and a 4MB packet buffer the AT-GS950/16 WebSmart switch is an ideal option for integrating management into your network solution.

### Key Features

#### VLAN

- IEEE 802.1Q tagged
- Port-based
- Up to 256 groups

#### Quality of Service Classification

- IEEE 802.1p tagging
- Port-based priority
- Four priority queues per port

#### IP Multicast Support (IPv4)

- IGMP snooping (v1/v2)
- Static multicast group
- Spanning-Tree, IEEE 802.1d/w

#### IEEE 802.3ad Link Aggregation

- Manual

#### IEEE 802.1x Port-based and MAC-based Network Access Control

- Local authentication server (MD5 only)
- Remote authentication through RADIUS
- Dynamic VLAN assignment

- RADIUS client for IEEE 802.1x

- DHCP client

- Statistics charts in Web

- Jumbo frames - up to 10K

#### Others

- IEEE 802.3x flow control or HOL (†) blocking Prevention († when flow control is off)

- Port mirroring

- Destination MAC filtering

- Ingress/egress rate limiting

- Broadcast storming control

- 100FX SFP support

\*12 ports connected

### Management Features

#### Window-based Supporting

- Switch discovery management up to 254 switches
- Monitor list
- Trap view
- Device setting

- Firmware upgrade by FTP and Web

- Configuration back-up/restore by FTP

- Factory reset

- Password access control and restricted IP access list

- SNMPv1/v2c/v3

#### MIBs

- RFC 1213 MIB-II
- RFC 1643 Ethernet MIB
- RFC 1493 Bridge MIB
- RFC 2131 DHCP client
- Private Enterprise MIB (Allied Telesis provides the spec)

#### RMON Groups (1, 2, 3, 9)

- Stats
- History
- Alarms
- Events

#### ACL

- 240 entries (shared)



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## 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 & Play usability right out of the box how can you go wrong implementing this cost-effective solution into your network?

## 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
Packet buffer	4MB
DRAM	64MB
Flash	16MB
Switching capacity	32Gbps
Throughput	23.4Mpps

## Power Characteristics

Voltage	100-240V AC
Frequency	50/60Hz

Max. power consumption 14.24W  
Typ. power consumption\* 12.07W

## Interface Connections

10/100/1000T	RJ-45
SFP	100TX, 100FX, 1000T, 1000SX or 1000LX

## Environmental Compliance

RoHS  
China RoHS  
WEEE

## 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 20cm x 4.4cm 13.2" x 7.2" x 1.76"
Weight	2.1kg (4.63 lbs)

### Wall-mount or Desktop

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/LX
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

## Electrical/Mechanical Approvals

UL 1950  
FCC/EN55022 Class A  
VCCI Class A  
C-Tick  
EN60950 (TUV)  
EN55024  
CE  
CSA / CUL

## MTBF

263,000 hours  
Bellcore TR332

## Ordering Information

AT-GS950/16-xx  
16 port 10/100/1000T WebSmart switch  
with 2 SFP combo ports

Where xx =	10 for US power cord 20 for no power cord 30 for UK power cord 40 for Australian power cord 50 for European power cord
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## Product Contents

Switch unit  
Rack-mount brackets and screws  
Power cord  
Rubber feet

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