

# AT-GS950/24

## 24 port Gigabit WebSmart Switch



### AT-GS950/24-xx

24 port 10/100/1000T WebSmart switch with 4 SFP combo ports

### ECO-Friendly

The AT-GS950/24 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 16.28W\* 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-GS950/24 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-GS950/24 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-GS950/24 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

\*18 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 | 48Gbps   |
| Throughput         | 35.7Mpps |

## Power Characteristics

|           |             |
|-----------|-------------|
| Voltage   | 100-240V AC |
| Frequency | 50/60Hz     |

Max. power consumption 19.73W  
Typ. power consumption\* 16.28W

## Interface Connections

|              |                                          |
|--------------|------------------------------------------|
| 10/100/1000T | RJ-45                                    |
| SFP          | 100TX, 100FX, 1000T,<br>1000SX or 1000LX |

## Environmental Compliance

RoHS  
China RoHS  
WEEE

## Environmental Specifications

|                     |                                   |
|---------------------|-----------------------------------|
| Operating temp.     | 0°C to 40°C<br>(32°F to 104°F)    |
| Non-operating temp. | -25°C to 70°C<br>(-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<br>13.2" x 7.2" x 1.76" |
| Weight     | 2.3kg (5.07 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<br>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-GS950/24-xx  
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with 4 SFP combo ports

|            |                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------|
| Where xx = | 10 for US power cord<br>20 for no power cord<br>30 for UK power cord<br>40 for Australian power cord<br>50 for European power cord |
|------------|------------------------------------------------------------------------------------------------------------------------------------|

## Product Contents

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

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