



## AT-8000/8POE

### 8 port 10/100TX Layer 2 Managed PoE Switch

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8 port 10/100TX Layer 2 managed PoE switch with 1 copper Gigabit port and 1 combo SFP slot

#### High Performance

Allied Telesis managed switch AT-8000/8POE provides non-blocking, wirespeed switching on all ports. The switch offers 10/100Mbps ports for desktop, wireless access point, printer and IP phone connectivity and 10/100/1000T or SFP ports for server or backbone connectivity. It also features broadcast-storm control and full auto-negotiation 10/100 ports which automatically detect speed and duplex modes of attached devices, allowing the switch to automatically configure for the best possible performance.

#### Easy To Use

Allied Telesis AT-8000/8POE is tailored for small and medium size networks including hotels, schools and universities. Allied Telesis AT-8000/8POE switch supports Power over Ethernet (PoE) which reduces the cost and complexity of IP communications and wireless LAN deployments. PoE is an advanced technology that allows a switch to supply power and provide Ethernet connectivity at the same time over category 5 cable to inline power devices, such as wireless access points, cameras, IP phones. The PoE ports eliminate the cost and complexity of running additional power outlets or cable to inline power devices.

#### Management

Although a plug & play device, the AT-8000/8POE switch includes an extensive range of management features including Web-based management, Command Line Interfaces (CLI), SNMP and Telnet.

The AT-8000/8POE switch can be used as a desktop switch or in a rack. The switch is MDI/MDI-X on all ports for simple connection to other hubs and switches. Front panel LEDs allow users to monitor the switch status providing simple 'at a glance' management.

#### Rich Feature Set

Richly equipped with features normally found on higher-priced products the AT-8000/8POE switch supports RADIUS, VLAN tagging and more. Bandwidth hungry networks can streamline traffic with the four priority queues found in the IEEE 802.1p prioritization feature. High traffic points can be addressed with the IEEE 802.1ad link aggregation and LACP feature supported. Built-in advanced security features, including security with IEEE 802.1x authentication help ensure that your devices and network are protected.

#### Key Features

- SNMP v1 and v2
- Telnet remote login
- Non blocking architecture
- Wirespeed performance
- Rapid Spanning-Tree
- RADIUS
- Four priority queues per port
- VLAN tagging
- Port mirroring
- Link aggregation - LACP\*
- SNTP\*
- GVRP\*
- IEEE 802.3af Power over Ethernet

\* future release

# AT-8000/8POE | 8 port 10/100TX Layer 2 Managed PoE Switch

## Performance

Wirespeed switching on all Ethernet ports for all packet sizes

Throughput 2.68Mpps  
Switching capacity 3.6Gbps

Store and forward mode

Non-blocking switch fabric

Head of line blocking prevention

Broadcast storm control

RAM 20MB divided into:  
4MB Image storage memory  
16MB dynamic memory

MAC address up to 8k

VLANs 255

GVRP\*

Half/full-duplex

Auto-negotiation

Auto MDI/MDI-X on all ports

## Reliability

MTBF 200,000+ hrs

MTTR <1/2 hr DoA<1%

## Interface Connections

10/100TX RJ-45

10/100/1000T RJ-45

RS232 DB9 pin, male port

Internal power supply

## Power Characteristics

Voltage 100-240V AC

Current 2.25A

Power consumption 30W maximum

Frequency 50-60Hz

PoE budget 95W

## Environmental Specifications

Operating ttemp. 0°C to 45°C (32°F to 113°F)

Storage temp. -25°C to 70°C  
(-13°F to 158°F)

Relative humidity 10% to 90% non-condensing

Storage humidity 5% to 95% non-condensing

Operating altitude Maximum 3,000m (9,843ft)

## Physical Characteristics

Dimensions 33cm x 22.8cm x 4.32cm  
(W x D x H) (12.99 x 8.97 x 1.73 in)

Weight 2.2kg (4.9lbs)

## Mounting

19" rack-mountable hardware included

## Standards and Compliance

IEEE 802.1D Spanning-Tree Protocol  
IEEE 802.1W Rapid Spanning-Tree  
IEEE 802.1p Class of Service  
IEEE 802.1Q VLAN bridge  
IEEE 802.1x Port-based network access control  
IEEE 802.3i 10T Ethernet  
IEEE 802.3ab 1000T  
IEEE 802.3ac VLAN tag frame extension  
IEEE 802.3ad Link aggregation — LACP\*  
IEEE 802.3u 100TX Ethernet  
IEEE 802.3x Back pressure/ flow control  
IEEE 802.3af Power over Ethernet (mode B)  
IEEE 802.3z 1000SX  
RFC 1112 IGMP snooping v1.0/ v2.0  
RFC 2865 RADIUS  
RFC 783 TFTP  
RFC 951 BOOTP/ DHCP IP address management

## SNMP Standards

RFC 1157 SNMPv1/v2  
RFC 1213 MIB-II  
RFC 1215 TRAP MIB  
RFC 1493 Bridge MIB  
RFC 1757 RMON 4 groups: stats, history, alarms, events  
RFC 2674 IEEE 802.1Q MIB  
RFC2863 Interfaces group MIB  
Allied Telesis managed switch MIB

## Management Standards

Web interface — multiple sessions can be supported at the same time

Console Command Line Interface

SNMP compatibility

Telnet remote login — multiple sessions can be supported at the same time

Port mirroring

Dual software images

RFC 2030 Sntp\*

## Electrical/Mechanical Approvals

Safety UL 1950 (UL/cUL), EN60950 (TUV)

EMI FCC Class A, EN55022 Class A,  
VCCI Class A, COTick, EN61000-3-2,  
EN61000-3-3

Immunity EN55024

RoHS compliant

## Country of Origin

China

## Ordering Information

### AT-8000/8POE-xx

8 port 10/100TX managed switch with  
1 combo copper Gigabit port / 1 SFP slot

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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