

## AT-8000/8POE

### 8-Port 10/100TX L2 Managed PoE Switch with One Copper Gigabit Port and One Combo SFP Slot



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#### High Performance

Allied Telesis managed switch AT-8000/8PoE provides nonblocking, wire-speed switching on all ports. The switch offers 10/100Mbps ports for desktop, wireless access point, printer and IP phone connectivity and 10/100/1000Base-T 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-and-play device, the AT-8000/8PoE switch includes an extensive range of management features including WEB-based management, command line interfaces, 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. And 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 802.1x authentication help ensure that your devices and network are protected.

#### Key Features

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

\* future release

# AT-8000/8POE | 8-Port 10/100TX L2 Managed PoE Switch

## Performance

Wire speed switching on all Ethernet ports up to 1000Mbps throughput

14,880pps for 10Mbps Ethernet  
148,800pps for 100Mbps fast Ethernet  
1,488,000pps for 1000Mbps Gigabit Ethernet

Switching capacity 3.8Gbps  
Throughput 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

10/100 RJ-45  
10/100/1000TX RJ-45  
RS232 DB9 pin, male port  
Internal power supply

## Power Characteristics

Voltage 100- 240vAC  
Current 1.5A  
Power Consumption 30W Maximum  
Frequency 50-60Hz  
PoE budget 95W

## Environmental Specifications

Operating Temp. 0°C to 45°C (32F to 113F)  
Storage Temp. -25°C to 70°C (-13F to 158F)  
Relative Humidity 10% to 90% non-condensing  
Storage Humidity 5% to 95% non-condensing  
Operating Altitude maximum 3,000m (9,843ft)

## Physical Characteristics

Dimensions 330mm x 228mm x 43.2mm  
(12.99 x 8.97 x 1.73 in)  
(W x D x H)

Weight 2.2kg (4.9lbs)

## Mounting

19" rack-mountable hardware included

## Standards & Compliance

802.1D Spanning Tree Protocol  
802.1W Rapid Spanning Tree  
802.1p Class of Service  
802.1Q VLAN Bridge  
802.1x Port-based network access control  
802.3i 10Base-T Ethernet  
802.3ab 1000base-T  
802.3ac VLAN tag frame extension  
802.3ad Link aggregation — LACP\*  
802.3u 100base-T Ethernet  
802.3x Back pressure/ flow control  
802.3af Power over Ethernet  
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 802.1QMIB  
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 one combo copper gigabit port / one SFP slot

Where xx = 10 for US power cord  
= 20 for no power cord  
= 30 for UK power cord  
= 40 for Australia power cord  
= 50 for Europe power cord

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