



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

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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
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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 (W x D x H)	33cm x 22.8cm x 4.32cm (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
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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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