



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 autonegotiation 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 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. $0^{\circ}C$ to $45^{\circ}C$ ($32^{\circ}F$ to $113^{\circ}F$)

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 802.3ac VLAN tag frame extension IEEE 802.3ad Link aggregation — LACP*

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

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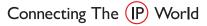
Where xx = 10 for US power cord

20 for no power cord 30 for UK power cord 40 for Australian power cord 50 for European power cord

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