AT-GS900/8PS

UNMANAGED GIGABIT ETHERNET SWITCH WITH POE+

Designed for SMB, retail, and educational networks that use wireless and IP cameras, the Allied Telesis AT-GS900/8PS consists of eight 10/100/1000T ports, with PoE Plus and one SFP uplink.

PoE *plus*   80%+   eco friendly

Environmentally Friendly ECO-Switch

The AT-GS900/8PS eco-friendly 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 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-GS900/8PS truly lives up to its name as an "eco-friendly" PoE switch.

The energy efficiency of its power supply is greater than 83%, which means it uses less energy, generates less heat, and increases the life of the unit. 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.

High Performance

The GS900 Series of unmanaged Gigabit switches deliver the high-speed and high-performance demanded by today's high-bandwidth applications such as video, graphics, and industrial design.

Power over Ethernet

The AT-GS900/8PS model supports PoE in four ports, or PoE+ (IEEE 802.3at) in two of them. PoE+ provides more power to support the new generation of network attached devices, such as touch screen displays, wireless access points, RFID readers or IP security cameras.

Simplified Installation

The GS900 Series switches require minimal configuration and can be installed in minutes for use in network racks or on desktops. The GS900 network switches are fully auto-negotiating, allowing the switches to connect to all other 10Mbps Ethernet, 100Mbps Fast Ethernet, or 1000Mbps Gigabit Ethernet devices.

Key Features

» Power saving port features on each port including
  - Cable length detection and power minimization
  - Link-down power savings
» Lower power on short cable runs
» Power over Ethernet (PoE+)
» SFP support
» Support for jumbo frames up to 9216 bytes
» Wirespeed performance
» Non-blocking architecture
» Auto-negotiation Gigabit ports
» Auto MDI/MDI-X on TX ports
» Transparent to VLAN packets
» Full-duplex flow control
» Sturdy metal case
» Silent operation, fanless

Equipped with MDI/MDI-X auto speed ports for easy connection to other switches as well as old hubs, the GS900 Series offers a natural migration path from legacy networks and a cost-effective introduction to Gigabit Ethernet. Finally, easy to read front panel LEDs show ongoing switch status and simplify troubleshooting.

Performance

14,881pps for 10Mbps Ethernet
148,810pps for 100Mbps Ethernet
1,488,100pps for 1000Mbps Ethernet

Switching capacity: 18Gbps
Throughput: 13.39Mpps
MAC address: Up to 8K

Packet buffer: 256Kb
Default aging time: 300 seconds

Jumbo frames	9216 bytes
VLAN packets	Transparent
EAPOL pass-through	Yes
BDPU pass-through	Yes

Half/full-duplex
Auto-negotiation
MDI/MDI-X

Interface Connections

10/100/1000T	RJ-45

Power Characteristics

Voltage	100-240V AC Frequency
	50/60Hz Current 1.7A
Power consumption	125.5W
PoE power available	75W

Environmental Specifications

Operating temperature: 0°C to 40°C (32°F to 104°F)
Non-operating temperature: -25°C to 70°C (-13°F to 158°F)
Operating humidity: 5% to 90% non-condensing
Storage humidity: 5% to 95% non-condensing
Operating altitude range: Up to 3,000 m (9,843 ft)

Technical Specifications

Physical Characteristics

Dimensions	28 x 18 x 4.4 cm	
(W x D x H)	(11 x 7.1 x 1.7 in)	
Weight	1.52 Kg (3.35 lbs.)	

Rack-mount, Wall-mount or Desktop

All units come with wall and 19" rack-mount brackets

Standards and Compliance

IEEE 802.3 10T Ethernet
IEEE 802.3u 100TX Fast Ethernet
IEEE 802.3ab 1000T Gigabit Ethernet
IEEE 802.3z Full-duplex-SX/LX
IEEE 802.3x Flow control
IEEE 802.3at PoE+
IEEE 802.af Power over Ethernet

Electrical/Mechanical Approvals

UL
TUV T-Mark
CSA/cUL
FCC/EN55022 Class A
CISPR 22 Class A
VCCI Class A
C-Tick
EN60950 (TUV)
EN55024
Eu-RoHS
WEEE
China RoHS
CE

Ordering Information

AT-GS900/8PS

8-port 10/100/1000T unmanaged switch, with PoE and SFP uplink

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