Allied Telesis™

GS900 Series

Unmanaged Gigabit Ethernet Switches

The Allied Telesis GS900 Series offers unmanaged Gigabit switching solutions for the desktop and small networks. They provide internal and external power-supply versions, wall, desk and rack-mounting options for flexibility in deployment requirements

Overview

With minimal to no set-up, these switches provide seamless and simple connectivity to existing network infrastructure. Every unmanaged switch is backed with a lifetime limited warranty.

Environmentally Friendly ECO-Switch

The Allied Telesis GS900 Series eco-friendly switches conform with Allied Telesis' commitment to environmentally friendly processes and products. They are designed to minimize power consumption through the use of a high efficiency power supply and a low power chipset.

With 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 GS900 Series truly lives up to its name as "eco-friendly" switches.

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.

Flexibility

Available in 8, 16 and 24 port models, Allied Telesis lets you decide which size is best for your network. Reduces your cost by allowing you to only pay for the ports you need.

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.

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.

Key Features

- ▶ Wirespeed performance
- ▶ Non-blocking architecture
- ▶ Auto-negotiation Gigabit ports
- ▶ Auto MDI/MDI-X on TX ports
- ▶ Transparent to VLAN packets
- ▶ Full-duplex flow control

Power-saving Features

- ▶ Maximum switch power consumption – 4.9W
- ▶ Typical switch power consumption - 3.8W*
- ▶ Overnight mode - when PCs are powered off, the switch reduces power
- ▶ Power down mode
- ▶ Measure and minimize - checks the lengths of the cable and sends only enough power for specific cable length

* 6 ports, 100% utilization, 3m cable

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GS900 Series | Unmanaged Gigabit Ethernet Switches

Specifications

FEATURES		GIGABIT ETHERNET					
		AT-GS900/5E	AT-GS900/8E	AT-GS900/8	AT-GS900/8PS	AT-GS900/16	AT-GS900/24
PORTS AND MEDIA	10/100/1000T	5	8	8	8	16	24
	SFP				1		
POWER SUPPLY		External (high efficiency)	External (high efficiency)	Internal	Internal	Internal	Internal
POWER OVER ETHERNET	Power over Ethernet (PoE)				■		
	PoE ports				4		
	IEEE 802.3af Class 3 (15.4W)				4		
	IEEE 802.3at Class 4 PoE+ (30W)				2		
	PoE budget				75W		
SCALABILITY	MAC address table size	4K	4K	8K	8K	8K	16K
ENVIRONMENTAL	Cooling	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless
	Eco-friendly	■	■	■	■	■	■
IDEAL ENVIRONMENT		SOHO / network edge	SOHO / network edge	SOHO / network edge	SOHO / network edge	SOHO / network edge	SOHO / network edge
CUSTOMER'S NEEDS		High performance / Plug and Play / low maintenance / cost-effective / simple to install	High performance / Plug and Play / low maintenance / cost-effective / simple to install	High performance / Plug and Play / low maintenance / cost-effective / simple to install	High performance / Plug and Play / low maintenance / cost-effective / simple to install / centralized power	High performance / Plug and Play / low maintenance / cost-effective / simple to install	High performance / Plug and Play / low maintenance / cost-effective / simple to install

Physical Characteristics

PRODUCT	WIDTH	DEPTH	HEIGHT	MOUNTING	WEIGHT
AT-GS900/5E	17.1 cm (6.73 in)	9.8 cm (3.86 in)	2.8 cm (1.1 in)	Wall-mount	0.37 kg (0.8 lb)
AT-GS900/8E	17.1 cm (6.73 in)	9.8 cm (3.86 in)	2.8 cm (1.1 in)	Wall-mount	0.389 kg (0.857 lb)
AT-GS900/8	12.1 cm (7.24 in)	18.4 cm (4.76 in)	4.4 cm (1.7 in)	Rack-mount	0.75 kg (1.65 lb)
AT-GS900/8PS	28 cm (11 in)	18 cm (7.1 in)	4.4 cm (1.7 in)	Rack-mount	1.52 kg (3.35 lb)
AT-GS900/16	18.4 cm (7.2 in)	12.1 cm (4.8 in)	4.4 cm (1.7 in)	Rack-mount	0.95 kg (2.0 lb)
AT-GS900/24	28 cm (11 in)	18 cm (7.1 in)	4.4 cm (1.7 in)	Rack-mount	1.79 kg (3.9 lb)

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

Interface Connections
10/100/1000T   RJ-45

Environmental Specifications
Operating temperature: 0ºC to 40ºC (32ºF to 104ºF)
Storage temperature: 25ºC to 70ºC (-13ºF to 158ºF)
Operating humidity: 5% to 90% non-condensing
Storage humidity: 5% to 95% non-condensing

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+ (AT-GS900/8PS)
IEEE 802.af Power over Ethernet (AT-GS900/8PS)

Electrical/Mechanical Approvals
UL 1950
FCC/EN55022 Class A
VCCI Class A
C-Tick
EN60950 (TUV)
EN55024
CE
TUV T-Mark   (AT-GS900/8PS)
CSA/cUL   (AT-GS900/8PS)
CISPR 22 Class A   (AT-GS900/8PS)
Eu-RoHS WEEE   (AT-GS900/8PS)
China RoHS   (AT-GS900/8PS)

Ordering Information

AT-GS900/5E-xx
5-port 10/100/1000T unmanaged switch, external P/S

AT-GS900/8E-xx
8-port 10/100/1000T unmanaged switch, external P/S

AT-GS900/8-xx
8-port 10/100/1000T unmanaged switch

AT-GS900/8PS-xx
8-port 10/100/1000T unmanaged switch, with PoE and SFP uplink

AT-GS900/16-xx
16-port 10/100/1000T unmanaged switch

AT-GS900/24-xx
24-port 10/100/1000T unmanaged switch

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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