

CentreCOM® GS910 Series

Gigabit Ethernet Unmanaged Switches

The Allied Telesis GS910 Series offers unmanaged Gigabit switching solutions for the desktop, and small networks. The series has internal and external power supply versions, and also features network loop guard technology, which automatically detects any unexpected network loops, and prevents network devices from broadcast packet storms.



Overview

With minimal to no set-up, GS910 Series switches provide simple and seamless connectivity to existing network infrastructure. Each unmanaged switch is backed with a lifetime limited warranty.

High performance

The GS910 Series delivers the high speed and high performance demanded by today's high-bandwidth applications, such as video, graphics and industrial design.

Quality and reliability

Allied Telesis is a world-wide leader in unmanaged Ethernet switches. Shipping more than 250,000 unmanaged switches every year, Allied Telesis offers proven reliability, and industry-recognized quality.

Loop detection

GS910 Series switches provide network loop detection by using Loop Detection Frame (LDF). LDF detects network loops, and shuts down ports where the loop is detected. After the loop is solved, the port that has shut down is automatically recovered.

Environmentally-friendly eco-switch

Allied Telesis GS910 Series eco-friendly switches conform with the 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 outside regular work hours (overnight mode), as well as other power-saving features included as standard, the Allied Telesis GS910 Series truly lives up to its eco-friendly reputation. 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 device costs less to run, and features improved reliability.



Key Features

- ▶ Power-saving features on each port including:
 - ▶ cable length detection and power minimization
 - ▶ link-down power savings
- ▶ Wirespeed performance
- ▶ Non-blocking architecture
- ▶ Auto-negotiation Gigabit ports
- ▶ Auto MDI/MDI-X on TX ports
- ▶ Full-duplex flow control
- ▶ Sturdy metal case
- ▶ Silent operation; fanless
- ▶ Operating temperature 0-50°C
- ▶ EAP/BPDU passthrough

Specifications

PRODUCT	WIDTH	DEPTH	HEIGHT	OPERATING TEMPERATURE	WEIGHT	SWITCHING CAPACITY	THROUGHPUT	MAC ADDRESS	POWER CURRENT	MAX PWR CONSUMPTION
AT-GS910/5	160 mm (6.29 in)	105 mm (4.13 in)	35 mm (1.37 in)	0-50°C (32-122°F)	0.5 kg (1.10 lb)	10Gbps	7.4Mpps	Max 2K	0.1A	3.1W
AT-GS910/5E	130 mm (5.11 in)	101 mm (3.97 in)	30 mm (1.18 in)	0-50°C (32-122°F)	0.72 kg (1.58 lb)	10Gbps	7.4Mpps	Max 2K	0.1A	3.6W
AT-GS910/8	210 mm (8.26 in)	121 mm (4.76 in)	38 mm (1.49 in)	0-50°C (32-122°F)	0.78 kg (1.712 lb)	16Gbps	11.9Mpps	Max 4K	0.2A	4.5W
AT-GS910/8E	210 mm (8.26 in)	121 mm (4.76 in)	38 mm (1.49 in)	0-50°C (32-122°F)	0.72 kg (1.58 lb)	16Gbps	11.9Mpps	Max 4K	0.2A	5.0W
AT-GS910/16	263 mm (10.35 in)	179 mm (7.04 in)	38 mm (1.49 in)	0-50°C (32-122°F)	1.5 kg (3.30 lb)	32Gbps	23.8Mpps	Max 8K	0.3A	12W
AT-GS910/24	341 mm (13.42 in)	210 mm (8.26 in)	44 mm (1.73 in)	0-50°C (32-122°F)	2.1 kg (4.62 lb)	48Gbps	35.7Mpps	Max 8K	0.4A	17W

Performance

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

Default aging time: 200-600 seconds
 Packet Buffer
 AT-GS910/5, 5E, 8, 8E: 128Kbytes
 AT-GS910/16, 24: 524Kbytes
 Jumbo Frames
 AT-GS910/5, 5E, 8, 8E: 9216bytes
 AT-GS910/16, 24: 10Kbytes
 EAP passthrough: Yes
 BPDU passthrough: Yes

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

Interface connections

10/100/1000T RJ-45

Power supply requirements

Voltage: 100 - 240V AC
 Frequency: 50 - 60Hz

Standards and compliance

IEEE 802.3 10BASE-T
 IEEE 802.3u 100BASE-TX
 IEEE 802.3ab 1000BASE-T
 IEEE 802.3x Flow Control
 IEEE 802.3az Energy-Efficient Ethernet

Electrical/mechanical approvals

EAC certification
 EN55024
 ICES Class A
 VCCI Class A
 FCC Class A
 RCM
 CE
 EN55022
 CISPR 55022

Safety

UL60950-1, 2nd Edition
 CSA C22.2 No.60950-1-07, 2nd Edition
 IEC60950-1(UL-EU, UL-CB)

Restrictions on Hazardous Substances (RoHS) compliance

EU RoHS compliant

Wall-mount or desktop

AT-GS910/5, 5E, 8, 8E: No Bracket
 AT-GS910/16, 24: Bracket

Features

BPDU/EAP pass-through
 Flow control
 Loop guard
 Jumbo Frame
 Eco-friendly

Ordering Information

AT-GS910/5E

5-port 10/100/1000T unmanaged switch with external PSU (AC adaptor)

AT-GS910/5

5-port 10/100/1000T unmanaged switch with internal PSU

AT-GS910/8E

8-port 10/100/1000T unmanaged switch with external PSU (AC adaptor)

AT-GS910/8

8-port 10/100/1000T unmanaged switch with internal PSU

AT-GS910/16

16-port 10/100/1000T unmanaged switch with internal PSU

AT-GS910/24

24-port 10/100/1000T unmanaged switch with internal PSU