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.

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
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
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
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
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
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
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	
GS910/5, 5E, 8, 8E:	128Kbytes
GS910/16, 24:	524Kbytes
Jumbo Frames	
GS910/5, 5E, 8, 8E:	9216bytes
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-TXIEEE 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
GS910/5, 5E, 8, 8E: No Bracket
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-xx
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-xx
8-port 10/100/1000T unmanaged switch with internal PSU

AT-GS910/16-xx
16-port 10/100/1000T unmanaged switch with internal PSU

AT-GS910/24-xx
24-port 10/100/1000T unmanaged switch with internal PSU

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

Accessories

AT-RKMT-J08
Rack mount kit for GS910/8, and 8E

AT-BRKT-J23
Wall mount kit for GS910/5, 8, and 8E

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