

CentreCOM® GS910/XST Series

Gigabit Ethernet Unmanaged Switches with 10 Gigabit Uplinks



The Allied Telesis GS910/XST Series unmanaged switches offer flexible deployment with both copper and fiber 10 Gigabit uplinks. Ideal for server and storage connectivity, or for supporting high-bandwidth applications with Gigabit to the desktop, the GS910/XST Series enables high-performing small to medium business (SMB) networks.

Overview

The GS910/XST Series unmanaged switch effortlessly supports modern network applications, and provides a high value solution with simple plug-and-play installation.

The GS910/XST Series feature 8, 16 or 24 x 10M/100M/1G ports with 1 x 100M/1/2.5/5/10G Multi-Gigabit copper uplink port and 1x 1/10 Gigabit SFP+ uplink port.

High flexibility

As well as the Gigabit access ports, the GS910/XST Series offer flexible deployment with both copper and fiber uplink options running at up to 10Gbps.

To support legacy network cabling, the copper uplink can run at 2.5G and 5G Multi-Gigabit speeds to maximize both performance and efficient use of building infrastructure.

Loop protection

The GS910/XST Series provide network loop detection by periodically sending Loop Detection Frames (LDF). If a loop is detected, the switch will automatically block the offending port, to stop broadcast storms from affecting network performance and disrupting user access to online resources and applications. Once the loop is resolved, the port is unblocked.

Energy reduction

The GS910/XST Series switches are eco-friendly, supporting IEEE 802.3az Energy Efficiency Ethernet (EEE).

When EEE is enabled, power consumption is reduced on ports with low activity. 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.

DIP switches

The GS910/XST Series have a set of DIP switches on the front panel, which simplify configuration by allowing users to easily enable or disable features such as Loop Guard and Energy Efficient Ethernet.

Simple deployment

The GS910/XST Series switches are fanless, providing silent operation suitable for use in open work areas. A robust steel chassis guarantees high endurance, and simple plug-and-play installation ensures easy deployment.



Key Features

- 1x 100M/1/2.5/5/10 Multi-Gigabit copper uplink port
- 1x 1/10G SFP/SFP+ uplink slot
- Loop Guard mitigates broadcast storms
- Energy Efficient Ethernet
- DIP switches for easy configuration
- Wirespeed performance
- Non-blocking architecture
- Auto-negotiation on all ports
- Auto-MDI/MDI-X on all ports
- Full-duplex flow control
- Silent fanless operation
- Operating temperature 0-50° C*
- EAP/BPDU passthrough
- Compact design
- Simple plug-and-play installation

* Operating temperature may differ depending on SFP and SFP+ uplink modules used

SPECIFICATIONS

Product Specifications

	10/100/1000T (RJ-45) Copper Ports	100M/1/2.5/5/10 Gigabit Ports	1/10 Gigabit SFP/SFP+ Ports	DIP Switches	Switching Fabric	Forwarding Rate
G910/10XST	8	1	1	2	30Gbps	41.66Mbps
G910/18XST	16	1	1	2	72Gbps	53.57Mbps
G910/26XST	24	1	1	2	88Gbps	65.47Mbps

Physical Specifications

	Width	Depth	Height	Mounting	Unpacked Weight	Packaged Weight	Packaged Dimensions
G910/10XST	210 mm (8.26 in)	275 mm (10.82 in)	42.5 mm (1.67 in)	Rack-mount	1.9 kg (4.19 lb)	2.5 kg (5.51 lb)	26 x 43 x 10 cm (10.23 x 16.93 x 3.94 in)
G910/18XST	341 mm (13.42 in)	210 mm (8.26 in)	44 mm (1.73 in)	Rack-mount	3.6 kg (7.93 lb)	2.7 kg (5.95 lb)	36 x 53 x 10 cm (14.17 x 20.86 x 3.94 in)
G910/26XST	341 mm (13.42 in)	210 mm (8.26 in)	44 mm (1.73 in)	Rack-mount	2.9 kg (6.39 lb)	3.8 kg (8.38 lb)	36 x 53 x 10 cm (14.17 x 20.86 x 3.94 in)

Latency (microseconds)

	Port Speed		
	100Mbps	1Gbps	10Gbps
G910/10XST	7.1µs	3.5µs	2.9µs
G910/18XST	7.1µs	3.5µs	2.9µs
G910/26XST	7.1µs	3.5µs	2.9µs

Performance

- 12KB jumbo frames
- Wire speed multicasting
- Up to 16K MAC addresses
- Packet buffer memory: 1.5MB

DIP Switch Functionality

- Loop Guard
- Energy Efficient Ethernet

Environmental specifications

- Operating temperature range:
0°C to 50°C (32°F to 122°F)
Derated by 1°C per 305 meters (1,000 ft)
- Storage temperature range:
-25°C to 70°C (-13°F to 158°F)
- Operating relative humidity range:
5% to 90% non-condensing
- Storage relative humidity range:
5% to 95% non-condensing
- Operating altitude:
Up to 3,048 meters maximum (10,000 ft)

Electrical Approvals and Compliances

EMI:

- FCC part15 Subpart B Class A
- ICES-003:2016, Issue 6 Class A
- EN55032:2012/AC:2013 Class A
- CISPR 32:2012 Class A
- RCM AS/NZS CISPR 32:2013 Class A
- EN 61000-3-2
- EN 61000-3-3

EMIS:

- EN 55024:2010
- EN 55035: 2017

Safety Standards

- UL62368-1 (cULus)
- EN/IEC62368-1 (UL-CB/EU)
- EAC
- UKCA
- NOM

Restrictions on Hazardous Substances (RoHS) Compliance

- EU RoHS compliant
- China RoHS compliant

Ethernet Standards

IEEE 802.3 CSMA/CD
IEEE 802.3u 100TX
IEEE 802.3x Flow Control
IEEE 802.3ab 1000BASE-T
IEEE 802.3ae 10 Gigabit Ethernet
IEEE 802.3an 10GBASE-T
IEEE 802.3bz 2.5GBASE-T and 5GBASE-T ('multi-gigabit')
IEEE 802.3az Energy Efficient Ethernet (EEE)

Power Characteristics

- Voltage: 100-240V AC
- Frequency: 47-63 Hz

ORDERING INFORMATION

19 inch rack-mount brackets included

AT-GS910/10XST-xx	8-port 10M/100M/1 Gigabit and 1-port 100M/1/2.5/5/10 Gigabit copper uplink with 1-SFP/SFP+ slot and single fixed power supply
AT-GS910/18XST-xx	16-port 10M/100M/1 Gigabit and 1-port 100M/1/2.5/5/10 Gigabit copper uplink with 1-SFP/SFP+ slot and single fixed power supply
AT-GS910/26XST-xx	24-port 10M/100M/1 Gigabit and 1-port 100M/1/2.5/5/10 Gigabit copper uplink with 1-SFP/SFP+ slot and single fixed power supply

Where xx = 10 for US power cord
 20 for no power cord
 30 for UK power cord
 40 for AU power cord
 50 for EU power cord

AT-BRKT-J22	Wall mount kit for GS910/18XST, GS910/26XST
AT-BRKT-J23	Wall mount kit for GS910/10XST
AT-RKMT-J09	Rackmount kit for GS910/18XST, GS910/26XST
AT-RKMT-J15	Rackmount kit for GS910/10XST
10GbE SFP+ Modules Any 10G SFP+ module or cable can be used for stacking with the front panel 10G ports	
AT-SP10SR	10GSR 850 nm short-haul, 300 m with MMF
AT-SP10SR/I	10GSR 850 nm short-haul, 300 m with MMF industrial temperature
AT-SP10LRa/I	10GLR 1310 nm medium-haul, 10 km with SMF industrial temperature
AT-SP10ER40a/I	10GER 1310 nm long-haul, 40 km with SMF industrial temperature
AT-SP10ZR80/I	10GER 1550 nm long-haul, 80 km with SMF industrial temperature
AT-SP10TM/I	1G/2.5G/5G/10G, 100 m copper, industrial temperature, TAA ¹
AT-SP10BD10/I-12	10 GbE Bi-Di (1270 nm Tx, 1330 nm Rx) fiber up to 10 km industrial temperature, TAA ¹
AT-SP10BD10/I-13	10 GbE Bi-Di (1330 nm Tx, 1270 nm Rx) fiber up to 10 km industrial temperature, TAA ¹
AT-SP10BD40/I-12	10 GbE Bi-Di (1270 nm Tx, 1330 nm Rx) fiber up to 40 km industrial temperature, TAA ¹
AT-SP10BD40/I-13	10 GbE Bi-Di (1330 nm Tx, 1270 nm Rx) fiber up to 40 km industrial temperature, TAA ¹

¹ Trade Act Agreement compliant

1000Mbps SFP Modules	
AT-SPTXc	10/100/1000TX (RJ45), up to 100m
AT-SPSX	1000SX GbE multi-mode 850 nm fiber up to 550 m
AT-SPSX/I	1000SX GbE multi-mode 850 nm fiber up to 550 m industrial temperature
AT-SPEX	1000X GbE multi-mode 1310 nm fiber up to 2 km
AT-SPLX10a	1000LX GbE single-mode 1310 nm fiber up to 10 km
AT-SPLX10a/I	1000LX GbE single-mode 1310 nm fiber up to 10 km, industrial temperature
AT-SPLX40	1000LX GbE single-mode 1310 nm fiber up to 40 km
AT-SPBD10-13	1000LX (LC) GbE Bi-Di (1310 nm Tx, 1490 nm Rx) fiber up to 10 km
AT-SPBD10-14	1000LX (LC) GbE Bi-Di (1490 nm Tx, 1310 nm Rx) fiber up to 10 km
AT-SPBD20-13/I	1000BX GbE Bi-Di (1310 nm Tx, 1490 nm Rx) fiber up to 20 km
AT-SPBD20-14/I	1000BX GbE Bi-Di (1490 nm Tx, 1310 nm Rx) fiber up to 20 km
AT-SPBD40-13/I	1000LX (LC) GbE single-mode Bi-Di (1310 nm Tx, 1490 nm Rx) fiber up to 40 km, industrial temperature
AT-SPBD40-14/I	1000LX (LC) GbE single-mode Bi-Di (1490 nm Tx, 1310 nm Rx) fiber up to 40 km, industrial temperature