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.

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

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

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Specifications

Product Specifications

PRODUCT	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
GS910/10XST	8	1	1	2	30Gbps	41.66Mbps
GS910/18XST	16	1	1	2	72Gbps	53.57Mbps
GS910/26XST	24	1	1	2	88Gbps	65.47Mbps

Physical Specifications

PRODUCT	WIDTH X DEPTH X HEIGHT	MOUNTING	WEIGHT		PACKAGED DIMENSIONS
			UNPACKAGED	PACKAGED	
GS910/10XST	210 x 275 x 42.5 mm (8.26 x 10.82 x 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)
GS910/18XST	341 x 210 x 44 mm (13.42 x 8.26 x 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)
GS910/26XST	341 x 210 x 44 mm (13.42 x 8.26 x 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)

PRODUCT	PORT SPEED		
	100MBPS	1GBPS	10GBPS
GS910/10XST	7.1µs	3.5µs	2.9µs
GS910/18XST	7.1µs	3.5µs	2.9µs
GS910/26XST	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)
▶ 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 (10,000ft)

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

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Ordering Information

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 fo US 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

10G 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 1550 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[1]
1G/2.5G/5G/10G, 100 m copper, TAA[2]

AT-SP10BD10/I-12
10GbE Bi-Di (1270 nm Tx, 1330 nm Rx) fiber up to
10 km industrial temperature, TAA[2]

AT-SP10BD10/I-13
10GbE Bi-Di (1330 nm Tx, 1270 nm Rx) fiber up to
10 km industrial temperature, TAA[2]

AT-SP10BD40/I-12
10GbE Bi-Di (1270 nm Tx, 1330 nm Rx) fiber up to
40 km industrial temperature, TAA[2]

AT-SP10BD40/I-13
10GbE Bi-Di (1330 nm Tx, 1270 nm Rx) fiber up to
40km industrial temperature, TAA[2]

1000Mbps SFP Modules

AT-SPSX
1000SX GbE multi-mode 850 nm fiber up to 550 m

AT-SPEX
1000X GbE multi-mode 1310 nm fiber up to 2 km

AT-SPSX/I
1000SX GbE multi-mode 850 nm fiber up to
550 m industrial temperature

AT-SPLX10a
1000LX GbE single-mode 1310 nm fiber up
to 10 km

AT-SPLX10/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 (1490nm
Tx, 1310nm Rx) fiber up to 40km, industrial
temperature

AT-SPTXc
10/100/1000TX (RJ45), up to100m

[1] Supports 1G/10G only

[2] Trade Act Agreement compliant