

CentreCOM[®] XS910/8

10 Gigabit Ethernet Unmanaged Switch

The Allied Telesis XS910/8 offers high-speed unmanaged switching solutions for small networks, with connectivity up to 10Gbps to support today's high-bandwidth interactive applications. A fanless, compact design provides silent operation for flexible deployment.



Overview

The XS910/8 unmanaged switch provides reliable and seamless connectivity at the edge of modern networks, with plug-and-play installation for easy deployment.

The XS910/8 features 8 x 100M/1/2.5/5/10G ports, and uses auto-negotiation to automatically optimize the link speed to maximize performance.

High speed

As technology advances, many IoT devices and a variety of content platforms delivering videos, images and sounds require more power at the edge of network. The XS910/8 delivers speeds of up to 10G to meet these growing demands.

Loop detection

The XS910/8 provides 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. Once the loop is resolved, the port is unblocked.

Energy Efficient Ethernet

The XS910/8 switch is 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 XS910/8 has a set of DIP switches on the front panel, which simplify configuration by enabling users to easily enable or disable features such as Loop Guard and Energy Efficient Ethernet.

Flexible deployment

The XS910/8 switch is fanless, providing silent operation. A reliable steel chassis guarantees high endurance. Furthermore, its relatively compact design allows easy switch placement in work spaces and on desktops, with no interruption to network users.

Key Features

- ▶ 8 x 100M/1/2.5/5/10G Multi-Gigabit ports
- ▶ 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
- ▶ Fanless design for silent operation
- ▶ Operating temperature 0-50°C
- ▶ EAP/BPDU passthrough
- ▶ Compact design
- ▶ Simple plug-and-play installation

Specifications

Product Specifications

PRODUCT	100M/1/2.5/5/10 GIGABIT PORTS	DIP SWITCHES	SWITCHING FABRIC	FORWARDING RATE
XS910/8	8	2	160Gbps	119.04Mbps

Physical Specifications

PRODUCT	WIDTH X DEPTH X HEIGHT	MOUNTING	WEIGHT		PACKAGED DIMENSIONS
			UNPACKAGED	PACKAGED	
XS910/8	210 x 275 x 42.5 mm (8.27 x 10.83 x 1.67 in)	Rack mount	2.1 kg (4.63 lb)	2.78 kg (6.13 lb)	26 x 43.5 x 10 cm (10.23 x 17.12 x 3.93 in)

Latency (microseconds)

PRODUCT	PORT SPEED				
	100MBPS	1GBPS	2.5GBPS	5GBPS	10GBPS
XS910/8	12.7µs	3.7µs	6.2µs	4.1µs	3.1µs

Performance

- ▶ 12KB jumbo frames
- ▶ Wirespeed performance
- ▶ 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 (10,000 ft)

Electrical Approvals and Compliances

EMI:

- ▶ FCC part15 Subpart B/ Class A
- ▶ ICES-003:2016, Issue6 Class A
- ▶ EN55032:2012 / AC: 2013 Class A
- ▶ CISPR 32:2012 ClassA
- ▶ RCM AS/NZS CISPR 32 : 2013 Class A
- ▶ EN 61000-3-2
- ▶ EN 61000-3-3

EMS:

- ▶ EN 55035: 2017

Safety Standards

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

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 802.3an 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

XS910/8-xx

8-port 100M/1/2.5/5/10 Gigabit with single fixed power supply

Where xx = 10 for US power cord
30 for UK power cord
40 for AU power cord
50 for EU power cord

AT-RKMT-J14

Rack mount kit for XS910/8

AT-RKMT-J15

Rack mount shelf for XS910/8

AT-BRKT-J24

Wall mount kit for XS910/8

AT-STND-J03

Stand-kit for AT-XS910/8