

XSNET C4208 SW POE V2

8+2-Port Gigabit Ethernet switches with PoE

DESCRIPTION

Our environmentally hardened C-series switches provide exceptional performance under severe conditions. Clever engineering means they have no internal fans or other moving parts and are able to withstand even the most extreme temperatures. The XSNet C4208SW PoE v11 is a Gigabit Ethernet switch with eight 10/100Base-TX ports and two pluggable 100/1000Base SFP slots that lets you select the right wattage for each connected device. Individual ports can deliver up to 60 W, with a collective total of 240W at 75° C. Data transport is enhanced through Rapid Spanning Tree, IGMP multicasting and VLAN tagging.

FEATURES

Managed 8 + 2-port Ethernet switch

8x 10/100Base-TX ports with max 60WPoE

2x 100/1000Base SFP slots

Field-hardened

Non-blocking store-and-forward switching

Password-protected web interface

IGMP multicast and Rapid Spanning Tree

VLAN tagging (802.1Q)



Description

Reliable operation

The XSNet™ C4208SW PoE provides exceptional performance under severe conditions. For example, performance is not hindered by mechanical stress (vibration and shock) or extreme temperatures. This robust nature provides an ideal solution for critical infrastructure and traffic applications. This compact switch offers Rapid Spanning Tree to ensure prompt switchover times and to secure reliable transport of video, audio, and data streams. The XSNet™ C4208SW PoE utilizes IGMP for reliable transport of multicast data. Quality of Service is addressed via QoS (IEEE 802.1p) and tagged VLANs(802.1Q), crucial functions for reliable real-time services. Additionally, the switch includes redundant power inputs with a configurable alarm contact to guarantee reliable performance.

Configuration

The XSNet™ C4208SW PoE offers 8 independent 10/100BaseTX ports, featuring auto-negotiation and auto-MDI/MDIX. With two 1000Base-FX SFP slots, the C4208SW PoE can connect to other network infrastructures.

Mounting

This XSNet™ switch comes as a DIN rail mount stand-alone module.

Power supply

The XSNet™ C4208SW PoE is powered by an external power supply.

Electrical

Interface(s)	8x 10/100Base-TX IEEE802.3af/ IEEE802.3at /60W PoE+
	Max. total PoE power: 240W
Connector type	8x RJ-45
Maximum distance	100 m (CAT5e, CAT6 or CAT6A)

Optical

Interface(s)	2x 100/1000Base
Type of interface	Empty SFP slot (see XSNet SFP datasheet)

Standards

IEEE 802.3	10Base-T specification
IEEE 802.3u	100Base-TX / 100Base-FX
IEEE 802.3x	Full-duplex and flow operation
IEEE 802.3z	1000Base-FX
IEEE 802.1p	QoS
IEEE 802.1Q	Tagged VLANs
IEEE 802.1w	Rapid Spanning Tree Protocol
IEEE 802.1x	Port-based network access control
IEEE 802.3af	2 pair PoE 15,4 W max
IEEE 802.3at	2 pair PoE, 30 W max
UltraPoE	4 pair Ultra PoE, 60 W max

Performance

Switching fabric	Non-blocking
Switching method	Store-and-forward, Auto-Negotiation, Half-duplex back-pressure and IEEE802.3x Full-duplex flow control
Forward/Filtering Rate	14,880pps for 10Mbps; 148,810pps for 100Mbps; 1,488,100pps for 1000Mbps
Packet Buffer Memory	12M bits
Address table size	16K MAC addresses

Management

Multicast	IGMP snooping (v1, v2, v3)
Management agent	SNMP (v1, v2c, v3), RMON

LED status indicators

DC	Power indication: Power 1, Power 2, Power 3
Per electrical port	PoE, Link, activity, speed

Management protocols

Out-of-band	Command line interface in RS-232 console, DB9 connector
In-band	SNMP (v1, v2c, v3), HTTP (password protected), TFTP

Powering

Specs



Powering	
Power consumption	15 W maximum without PoE; 257 W with full PoE load
Power connector	Redundant terminal block and configurable alarm contact
Input voltage range	52 to 57 Vdc

Environmental	
Operating temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Storage temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Relative humidity	5% to 95% with no condensation
Safety and EMC	IEC/EN 61000; IEC/EN 55022, FCC part 15, UL508

Mechanical	
Dimensions (h x w x d)	165 x 65 x 145 mm (6.5 x 2.56 x 5.71 in)
Weight	1.0 kg (2.2 lbs)
Housing	DIN-rail mounting

Ordering Information	
XSNet C4208SW PoE v2	Managed 8-PoE port field-hardened switch with two 1-Gb up-link SFP slots
PSR-48 DC-480W	Power supply, rail-mount, 90-264Vac, 48Vdc, 10A