

XSNET C4208 SW POE V2 (UNT

8+2-Port Gigabit Ethernet switches with PoE

DESCRIPTION

This product's status is Until stock last.

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

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|------------------|-----------------------------------------------------|
| 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

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

Standards

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|--------------|-----------------------------------|
| 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

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|------------------------|-----------------------------------------------------------------------------------------------------------|
| 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

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

LED status indicators

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

Management protocols

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|-------------|---------------------------------------------------------|
| 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

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|-----------------------|------------------------------------------------|
| 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

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|----------------------|--------------------------------------------------------------------------|
| 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 |