Features

- 10/100/1000Base-TX to 100/1000Base SFP media converter
- Flexible SFP concept adapts to every network
- Hardware-selectable SFP port speed
- PoE+ in accordance with IEEE 802.3at (30 W)
- Field-hardened
- Cut-through data processing
- 256 K Buffer
- Adjustment-free installation and operation

GIGABIT

1 GbE

x1

HARDENED

PoE+

XSNet™ C5200MC SFP PoE+
Hardened 10/100/1000Base-TX to 100/1000Base SFP media converter with PoE+

Description

The XSNet C5200MC SFP PoE+ combines Gigabit connectivity with 30 W PoE+ in a temperature-hardened DIN-mounted format.

Reliable operation

The field-hardened XSNet C5200MC SFP PoE+ is designed for trouble-free operation in harsh environments. It offers high EMI immunity and a wide operating temperature range without application of cooling fans.
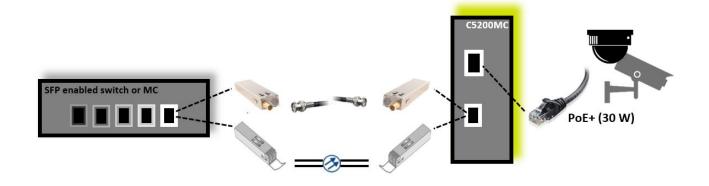
Port configuration

The XSNet C5200MC SFP PoE+ media converter offers one 10/100/1000Base-TX port, featuring autonegotiation and auto-MDI/MDIX, and one pluggable 100/1000Base SFP slot. With the flexibility of the SFP slot of the XSNet C5200MC SFP PoE+, a range of applications is possible. The 5200MC connects to any other SFP enabled switch or media converter. The speed is hardware-configurable to either 100 Mb or 1000 Mb. 100 Mb offers longer transmission distances over multimode fiber and offers the application of Siqura's ECO-plug (Ethernet over Coax in an SFP format). 1000 Mb can be used in case of high data rates.
Siqura offers a range of SFPs (also for connection to the 3100 series of media converters with fixed optical interface) for multimode, single-mode or single-mode one-fiber networks.

Mounting

This Siqura® XSNet™ media converter comes as a DIN-rail mount stand-alone module.

TKH GROUP

SIQURA®

Technical Specifications
XSNet™ C5200MC SFP PoE+

Electrical

Interface(s)	1x 10/100/1000Base-TX
Connector type	RJ-45
Maximum distance	100 m

Optical

Interface(s)	1x 100/1000Base SFP
Speed selection	Hardware switch
Type of interface	Empty SFP slot (see XSNet SFP datasheet)

Standards

Basic standards and functionality	
10Base-TX	IEEE 802.3i
100Base-TX/100Base-FX	IEEE 802.3u
Full-duplex operation and flow control	IEEE 802.3x
1000Base TX	IEEE 802.3ab
1000Base FX	IEEE 802.3z
Autonegotiation	IEEE 802.3 clause 28
Power over Ethernet (PoE) 30 W	IEEE 802.3at
Store and forward	
Auto-MDI/MDIX	

Status LEDs

LED status indicators	
Power	Green for PWR1, PWR2
Power alarm	Red, configurable to indicate failing power input
TX port	Speed (1000, 100), and Link/Activity
SFP port	Speed (1000, 100), and Link/Activity
PoE	On/Off
LFPT	On/Off (selectable by hardware switch)

Technical Specifications
XSNet™ C5200MC SFP PoE+

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
MTBF	750000 hours (@ 25 °C)

Powering

Power consumption	3.5 W without PoE
Power connector	Redundant terminal block
PWR1 Input voltage range	48 to 57 Vdc
PWR2 Input voltage range	48 to 57 Vdc
Earth ground	
Protection	Reverse polarity protection Current overload protection

Mechanical

Dimensions (h x w x d)	100 x 42 x 90 mm (3.9 x1.7 x 3.5 in)
Weight	0.38 kg (0.83 lbs)
Housing	DIN-rail mounting

Ordering information

Models	Description
XSNet C5200MC PoE	Hardened 10/100/1000BASE-TX to 100/1000BASE-FX SFP media converter with PoE+
PSR 48 DC-40W	Recommended power supply