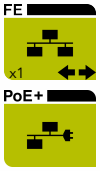
Features

- 10/100Base-TX to FX media converter
- In accordance with IEEE 802.3af (15.4 W) and IEEE 802.3at (30 W) PoE
- 1- or 2-Fiber single-mode, or 2-fiber multimode
- Store-and-forward at full speed
- 228 Kb buffer
- MDI/MDIX Autoselect
- Adjustment-free installation and operation
- DIN rail mounting



XSNet™ 3200MC PoE+

10/100Base-TX to FX media converter with Power over Ethernet

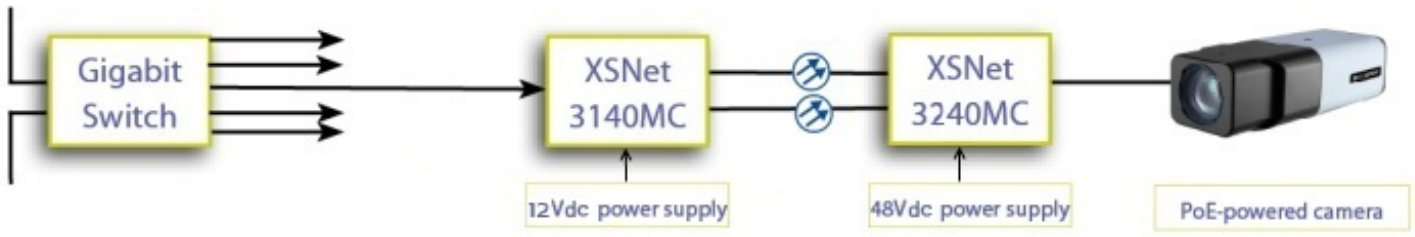
Description

The versatile XSNet™ 3200MC PoE+ media converter series offers cost-effective solutions for optical LAN and WAN networks. XSNet™ 3200MC PoE+ modules are plug-and-play for easy installation, featuring autonegotiation and auto-MDI/MDI-X detection.

The XSNet™ 3200MC PoE+ offers fully operational 10 Mb/s or 100 Mb/s connections over fiber in accordance with IEEE 802 requirements. It also complies with the IEEE 802.3af (15.4 W) and IEEE 802.3at (30 W) PoE standards to offer appropriate powering of PoE/PD devices such as IP cameras.

The XSNet™ 3200MC PoE+ series offers the possibility to select half-duplex or full-duplex mode over the optical FX port. In full-duplex mode the system can span up to 20 km (12.4 miles) over single-mode fiber.

Technical Specifications
XSNet™ 3200MC PoE+



Electrical	
Interface(s)	10/100Base-TX, autonegotiation, autosensing, auto-MDI/MDIX
Connector type	RJ-45
Cable type	Twisted pair (Cat 5 or better)
Maximum distance	100 m
Power over Ethernet (PoE)	Delivers 15.4 W (IEEE 802.3af) or 30 W (IEEE 802.3at)

Standards	
IEEE 802.3i	10Base-T specification
IEEE 802.3u	100Base-TX and 100Base-FX specification
IEEE 802.3x	802.3x full-duplex operation
IEEE 802.3af	Power over Ethernet (PoE) 15.4 W
IEEE 802.3at	Power over Ethernet (PoE) 30 W

Management	
LED status indicators	
PWR 1 or PWR 2	Power on indication
PoE	On: powered devices detected
LNK/ACT (TX)	Green: link operational; blink: port activity
LNK/ACT (FX)	Green: link operational; blink: port activity

Environmental	
Operating temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Storage temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Relative humidity	<95% with no condensation

Powering	
Input voltage range	+48 to +52 Vdc supports up to 15.4 W PoE +52 to +57 Vdc supports up to 30 W PoE
Power consumption	3.6 W, +48 Vdc / 0.075 A excl. PoE 19.2 W, +48 Vdc / 0.4 A incl. 15.4 W PoE 34.1 W, +55 Vdc / 0.62 A incl. 30 W PoE

Technical Specifications
XSNet™ 3200MC PoE+

Mechanical

Dimensions (h x w x d)	30 x 70 x 110 mm (1.2 x 2.8 x 4.3 in)
Weight	250 g (8.8 oz)
Housing	DIN rail mounting

Optical

	XSNet 3210MC PoE+	XSNet 3240MC PoE+	XSNet 3250MC/A PoE+	XSNet 3250MC/B PoE+
Fiber type	2xMM (50/62.5)	2xSM (09)	1xSM (09)	1xSM (09)
Interface(s)	100Base-FX full-duplex or half-duplex selectable	100Base-FX full-duplex or half-duplex selectable	100Base-FX full-duplex or half-duplex selectable	100Base-FX full-duplex or half-duplex selectable
Output wavelength	1310 nm	1310 nm	1310 nm / 1550 nm	1550 nm / 1310 nm
Link length	2 km	20 km	20 km	20 km
Connector type	Dual SC	Dual SC	SC	SC
Optically compatible with	XSNet 3110MC XSNet C3110MC XSNet 3210MC PoE XSNet 3210MC PoE+ XSNet SFP MM/1310 2km 100Mb	XSNet 3140MC XSNet C3140MC XSNet 3240MC PoE XSNet 3240MC PoE+ XSNet SFP SM/1310 20km 100M	XSNet 3150MC/B XSNet C3150MC/B XSNet 3240MC/B PoE XSNet 3240MC/B PoE+ XSNet SFP SM/ TX1550RX1310 20km 100Mb	XSNet 3150MC/A XSNet C3140MC/A XSNet 3240MC/A PoE XSNet 3240MC/A PoE+ SM/TX1310RX1550 20km 100Mb

Ordering information

Models	Description	Fiber type
XSNet™ 3210MC PoE+	10/100Base-TX to 100Base-FX media converter with PoE+	2xMM
XSNet™ 3240MC PoE+	10/100Base-TX to 100Base-FX media converter with PoE+	2xSM
XSNet™ 3250MC/A PoE+	1-fiber 10/100Base-TX to 100Base-FX media converter with PoE+ (TX = 1310 nm; RX = 1550 nm)	1xSM
XSNet™ 3250MC/B PoE+	1-fiber 10/100Base-TX to 100Base-FX media converter with PoE+ (TX = 1550 nm; RX = 1310 nm)	1xSM

Recommended power supply: PSR 48 DC-40W