

## Features

- 10/100Base-TX to FX media converter
- 1- or 2-fiber single-mode, or 2-fiber multi-mode
- In accordance with IEEE 802.3 and IEEE 802.3u
- Store-and-forward at full speed
- 758k buffer
- MDI/MDIX auto select
- Adjustment-free installation and operation
- Universal AC/DC adapter



## XSNet™ 3100MC

### 10/100Base-TX to FX media converter

#### Description

The versatile XSNet™ 3100MC media converter series offers cost-effective solutions for optical LAN and WAN networks. XSNet™ 3100MC modules are plug-and-play for easy installation, featuring autonegotiation and auto-MDI/ MDIX detection.

The XSNet™ 3100MC offers fully operational 10 or 100Mb/s connections over fiber in accordance with IEEE 802 requirements.

The XSNet™ 3100MC 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 20km (12.4 miles) over single-mode fiber.

The XSNet™ 3100MC can be powered by a universal AC/DC adapter provided with each model.

# Technical Specifications

## XSNet™ 3100MC



### 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	100m

### Standards

IEEE 802.3	100Base-T specification
IEEE 802.3u	100Base-TX and 100Base-FX specification
IEEE 802.3x	802.3x full-duplex operation

### Status LEDs

#### LED status indicators

PWR	Steady on: power on
LNK/ACT	Left = FX LED; right = TX LED Steady = valid connection; blink = activity; off = no connection
FDX/COL	Left LED = FX port; right = TX port Steady = full-duplex; blink = collision; off = half-duplex
100	Steady: speed = 100Mb/s Off: speed = 10Mb/s

### Environmental

Operating temperature	0°C to +45°C (+32°F to +113°F)
Storage temperature	-10°C to +70°C (+14°F to +158°F)
Relative humidity	<95% with no condensation

### Powering

Universal AC/DC adapter (included)	+12VDC, 0.16A
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### Mechanical

Dimensions (h x w x d)	23.8 x 80.3 x 109.2mm (0.94 x 3.16 x 4.3in)
Weight	150g (5.29oz)
Housing	Standalone

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## XSNet™ 3100MC

### Optical

	<b>XSNet 3110 MC</b>	<b>XSNet 3140 MC</b>	<b>XSNet 3150 MCA</b>	<b>XSNet 3150 MCB</b>
Fiber type	2xMM (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
TX/RX wavelength	1300nm	1310nm	1310nm/1550nm	1550nm/1310nm
Link length	2km	20km	20km	20km
Connector type	Dual SC	Dual SC	SC	SC

### Ordering information

<b>Models</b>	<b>Description</b>	<b>Fiber type</b>
XSNet™ 3110MC	10/100Base-TX to 100Base-FX media converter	2xMM
XSNet™ 3140MC	10/100Base-TX to 100Base-FX media converter	2xSM
XSNet™ 3150MCA	1-fiber 10/100Base-TX to 100Base-FX media converter (TX = 1310nm; RX = 1550nm)	1xSM
XSNet™ 3150MCB	1-fiber 10/100Base-TX to 100Base-FX media converter (TX = 1550nm; RX = 1310nm)	1xSM



The quality management system used in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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