

# XSNET 3100 MC

## 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.

### FEATURES

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10/100Base-TX to FX media converter

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ingle-mode or multi-mode

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Store-and-forward at full speed

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758k buffer

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MDI/MDIX auto select

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Adjustment-free installation and operation

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Universal AC/DC adapter

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## Description

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 halfduplex or full-duplex mode over the optical FX port. In fullduplex 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.

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<b>Electrical</b>	
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

<b>Standards</b>	
IEEE 802.3	100Base-T specification
IEEE 802.3u	100Base-TX and 100Base-FX specification
IEEE 802.3x	802.3x full-duplex operation

<b>Status LEDs</b>	
<b>LED status indicators</b>	
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

<b>Environmental</b>	
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

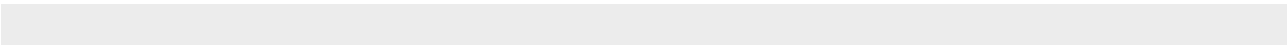
<b>Powering</b>	
Universal AC/DC adapter (included)	+12VDC, 0.16A

<b>Mechanical</b>	
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

# Specs



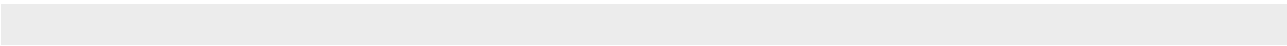
## Mechanical



## Optical

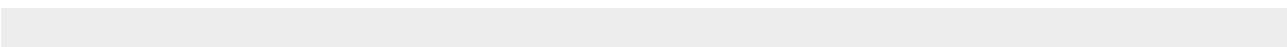
### XNet 3110 MC

Fiber type	2xMM (62.5)
Interface(s)	100Base-FX full-duplex or half-duplex selectable
TX/RX wavelength	1300nm
Link length	2km
Connector type	Dual SC



### XNet 3140 MC

Fiber type	2xSM (O9)
Interface(s)	100Base-FX full-duplex or half-duplex selectable
TX/RX wavelength	1310nm
Link length	20km
Connector type	Dual SC



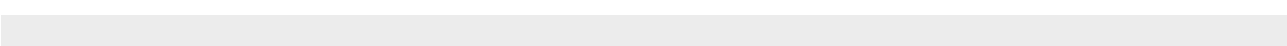
### XNet 3150 MCA

Fiber type	1xSM (O9)
Interface(s)	100Base-FX full-duplex or half-duplex selectable
TX/RX wavelength	1310nm/1550nm
Link length	20km
Connector type	SC



### XNet 3150 MCB

Fiber type	1xSM (O9)
Interface(s)	100Base-FX full-duplex or half-duplex selectable
TX/RX wavelength	1550nm/1310nm
Link length	20km
Connector type	SC



## Ordering information

XNet 3110MC	10/100Base-TX to 100Base-FX media converter   Fiber Type :2xMM
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# Specs



## Ordering information

XSNet 3140MC	10/100Base-TX to 100Base-FX media converter   Fiber Type :2xSM
XSNet 3150MCA (EoL)	1-fiber 10/100Base-TX to 100Base-FX media converter (TX = 1310nm; RX = 1550nm)   Fiber Type :1xS
XSNet 3150MCB (EoL)	1-fiber 10/100Base-TX to 100Base-FX media converter (TX = 1550nm; RX = 1310nm)   Fiber Type :1xS