

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

10/100Base-TX to FX media converter

ingle-mode or multi-mode

Store-and-forward at full speed

758k buffer

MDI/MDIX auto select

Adjustment-free installation and operation

Universal AC/DC adapter



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.

(c)20240718

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

Mechanical

Optical

XSNet 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

XSNet 3140 MC

Fiber type	2xSM (09)
Interface(s)	100Base-FX full-duplex or half-duplex selectable
TX/RX wavelength	1310nm
Link length	20km
Connector type	Dual SC

XSNet 3150 MCA

Fiber type	1xSM (09)
Interface(s)	100Base-FX full-duplex or half-duplex selectable
TX/RX wavelength	1310nm/1550nm
Link length	20km
Connector type	SC

XSNet 3150 MCB

Fiber type	1xSM (09)
Interface(s)	100Base-FX full-duplex or half-duplex selectable
TX/RX wavelength	1550nm/1310nm
Link length	20km
Connector type	SC

Ordering information

XSNet 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