Optospan

10/100/1000BASE-TX TO 1000BASE-FX SMART GIGABIT MEDIA CONVERTER
MCX-1NS-XXXXLXX

Seamless Integration of Copper and Fiber Optic Cabling at Gigabit Speeds

The OptoSpan 10/100/1000Base-TX to 1000Base-FX smart media converter provides a low cost, energy-efficient solution for bridging different speed networks and devices to a Gigabit fiber network. Built with an internal power supply an open SFP slot, this media converter allows you to choose the SFP (single-mode or multimode) that suits your distance and fiber connection requirements. It can be used for standalone operation or as a card module which can be easily installed into the OptoSpan 16-slot 2U Rack-mounted Chassis (Part# MCX-1RS-XXXX216). All converters comply with the IEE802.3af Power Over Ethernet

FEATURES

- Supports inter-conversion between adaptive 10Base-T/100Base-TX/1000Base-T with 1000Base-SX/LX
- 10/100/1000M media converter with SFP slot is available
- Supports auto-sense of MDI/MDI-X, facilitating system commissioning and installation
- Flow control for full-duplex and back pressure for half-duplex
- Supports transmission of extra-long VLAN packets
- Options in single mode dual fiber, multi-mode dual fiber, and single mode in single fiber
- Jumbo frame support: 9KB

APPLICATIONS

- 10/100/1000 Gigabit Ethernet

RoHS
2002/95/EC

TECHNICAL SPECIFICATIONS

Parameter	Typical Value	Parameter	Typical Value
Standards	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3x full-duplex flow control,1000Base-SX/LX	Jumbo frame LED Indicators	9KB POWER (power supply), FX LINK (optical link action) TP LINK1000 (TP cable rate1000M), TP LINK100 (TP cable rate 100M) TP ACT (TP cable packet forwarding action)
Interface	10/100/1000Mbps: RJ45 Connecting with STP/UTP category-5 twisted pairs, EIA568A/B One optical port: Multi-mode Dual-fiber: SC/LC(SFP) (50, 62.5/125µm) Single mode Dual-fiber: SC/FC/LC(SFP) (9/125µm)		
		Power Consumption	3W
		Power Supply	Internal Power supply: 100~240VAC, 50/60Hz /48VDC
Cable	UTP: Cat. 5 cable Fiber: 1000SX: 50/125, 62.5/125, or 100/140µm multi-mode 1000LX: 8.3/125, 8.7/125, 9/125 or 10/125µm single-mode	Environment	Operating Temperature: -10~55℃ Storage Temperature: -40~75º C Operating Humidity: 5%~90% (Non-condensing)
		Dimension	26L x W114 x D883mm (slider card)
		Certification	FCC, CE
Data Transfer Rate	2000Mbps/full-duplex		