

Multimode to Singlemode Media Converter

Multimode to Singlemode Converters provide efficient solutions for interconnecting multimode fibre LANs over longer distances by integrating singlemode fibre optic cable into the LAN. The converter also enables Ethernet LAN and WAN connectivity, by providing a multimode interface to singlemode fibre carrier demarcation points.



Models are available for singlemode to multimode conversion between Fast Ethernet devices, or for Asynchronous Transfer Mode (ATM) applications transported over a Synchronous Optical Network (SONET). Each Media Converter is enclosed in a compact, strong metal case and includes an external power supply for stand-alone applications.

Features

- Extend a Gigabit Ethernet backbone connection up to 80 km for MAN(metropolitan area network) applications
- Converts Multimode to Single Mode (and vice versa)
- Converts Single mode to Single Mode or Multi-mode to Multi-mode
- Increases Distance Between Nodes
- Cross Connects Fibre Types
- Performs Optical Repeater Function (with 1x9 or SFP transceiver modules)

Applications

- LAN
- FTTx
- Telecommunication networks

Specification

DESCRIPTION

Complies with	IEEE 802.3u 100BaseFX IEEE 802.3z 1000BaseSX/LX
Transceiver Type	Multi-mode or single mode
Transceiver Connector Types	Duplex SC,ST, FC
Wavelength(typical)	Multi-mode: 850nm (≤ 550m) 1310nm (≤ 2Km) Single-mode: 1310nm up to 40Km 1550nm up to 80Km
Temperature	0 - 50°C (Operating); -45 - 80°C (Storage)
Humidity	5%-80% non-condensing (Operating); 10%-90% (Storage)
Power Supply	External 1A,+5VDC
Dimensions:	External power version 95mm x70mm x 26mm (LxWxH)
Compliance:	RoHS & REACH FCC Part 15 Class B CE EN55022: 1998+ A1: 2000+ A2: 2003 EN61000-3-2: 2000+ A2: 2005 EN61000-3-3: 1995+ A1: 2001 EN55024: 1998+ A1: 2001+ A2: 2003
MTBF:	65,000 h (25°C)

Ordering Information

Type	Speed		MM Connector		Connector		Distance MM		Distance SM		Power Adaptor		Power Supply		
MCF	01	10/100M	SC	SC Connector	SC	SC connector	1	550m	10	10km	EU	Euro Type		E	External
	02	10/100/100M	ST	ST Connector	ST	ST connector	2	2km	20	20km	US	US Type			
			FC	FC Connector	FC	FC connector			40	40km	UK	UK Type			
									60	60km	AU	AU Type			
									70	70km					
									80	80km					

Example Part Number

MCF	01	SC	SC	2	10	EU	E
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This part number generator has created an: 10/100M Multi-mode 1310nm 2km to Single-mode 1310nm 10km, SC to SC, Euro type power adaptor, External