10 Gb SFP+ to 10 Gb SFP+ Mode Converter - 1310 nm and 1550 nm Compatible, Up to 80 km (50 mi.)

MODEL NUMBER: **N786-MDC-SFPSFP**

Converts a 10 Gbps multimode fiber optic signal to a 10 Gbps singlemode fiber optic signal.

Highlights

- Customizable converter extends up to 10 Gbps of data via open SFP+ port up to 80 km
- Quick installation supports hot-swapping of connected transceivers and network cables
- Durable housing withstands operating temperature range of -20° to 60°C
- LEDs indicate fiber connection and various statuses, including data transfer speed

Package Includes

- N786-MDC-SFPSFP 10 Gb SFP+ to 10 Gb SFP+ Mode Converter
- External power supply (Input: 100–240V, 50/60 Hz, 0.35A; Output: 12V 1A) with 4.5 ft. (1.4 m) cord
- (4) International plug adapters (North America, Europe, U.K., Australia)
- Quick Start Guide

Features

Customizes Your Network Extension over Fiber Optic Cable
This network mode converter works with a variety of SFP and SFP+ transceivers to convert a multimode fiber signal to a singlemode fiber optic signal and extend it to a second network device. The mode conversion allows your network connection to reach hubs, switches and other devices located up to 80 kilometers (50 miles) away. The N786-MDC-SFPSFP is ideal for network engineers migrating toward higher-density data centers.

Flexible to Fit Your Network Needs
Not only does the N786-MDC-SFPSFP support SFP and SFP+ transceivers, as well as DDM functionality, it also supports IEEE 802.3ab 1000Base-Tx and IEEE 802.3z 1000Base-Fx protocols. You can easily hot-swap transceivers and cabling, so no system shutdown is necessary during routine maintenance.

LEDs Indicate Installation Performance and Diagnostic Functions
Easy-to-read LEDs on the side of the mode converter indicate essential status information, including network speed and connection, signal diagnostics and unit power. LEDs indicate when a fiber cable has been severed or another cause of disruption in service has occurred. DIP switches on the unit allow changing from 1.25–8.5 Gbps speeds to 10.3 Gbps speeds based on your installation needs.

Protective Metal Housing Built to Withstand a Variety of Hazards
The rugged metallic case is designed to operate in temperatures ranging from -20 to 60 degrees Celsius (-4 to 140 degrees Fahrenheit).

Specifications

OVERVIEW	
UPC Code	037332292360
Product Type	Fiber Mode Converter
Technology	Singlemode; Multimode

Optical Mode	OM3; OM4; OM5; OS2; SM
Mode Type	Multimode; Singlemode
VIDEO	
Signal Range (m)	80000
DISPLAY	
Accessories (Included)	External power supply (Input: 100–240V, 50/60 Hz, 0.35A; Output: 12V 1A)
NETWORK	
Network Ports	SFP+ (FEMALE)
INPUT	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; Europlug; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V, 50/60 Hz, 0.35A
AC Power Adapter Output Specs (V / A)	12V / 1A
AC Power Adapter Cord Length (ft.)	4.52
AC Power Adapter Cord Length (m)	1.38
Power Source	AC Adapter
POWER	
Power Source Type	AC Adapter
AC Adapter	Input: 100-240V, 50/60Hz, 0.35A; Output: 12V, 1A
DC Barrel Plug	OD: 5.5 x 2.5 x 11mm, Positive Pin, Negative Sleeve
Power Consumption (Watts)	10.00
CONNECTIONS	
Side A - Connector 1	SFP+ (FEMALE)
Side B - Connector 1	SFP+ (FEMALE)
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	PWR (ON) Indicates the device is powered. (OFF) Indicates the device is not powered; Link/Act (FX) Fiber Port Link/Action Status LED (ON) Fiber port is linked. (Blink) Fiber port is activated. (OFF) Fiber port is not linked.; SD- Fiber Signal Status LED (ON) Fiber signal is detected, (OFF) Fiber Signal is not detected.; 10G- UTP Port Speed LED (ON) 2.5G~10G, (OFF) 10/100/1000M.; Link (TX) ON- UTP port is linked, (Blink) UTP port is activated
PHYSICAL	
Color	Black
Material of Construction	Metal Shell
Power Cord Color	Black

Housing Color	Black
Shipping Dimensions (hwd / in.)	2.95 x 7.48 x 9.44
Shipping Dimensions (hwd / cm)	7.50 x 19.00 x 24.00
Shipping Weight (lbs.)	1.36
Shipping Weight (kg)	0.62
Unit Dimensions (hwd / in.)	0.920 x 2.900 x 4.300
Unit Dimensions (hwd / cm)	2.34 x 7.38 x 10.92
Unit Dimensions (hwd / mm)	26 x 95 x 110 mm (1 x 3.74 x 4.3 in.)
Unit Packaging Type	Box
Unit Weight (lbs.)	1.88
Unit Weight (kg)	0.85
Housing	Metal
ENVIRONMENTAL	
Operating Temperature Range	32° to 131°F (0° to 55°C)
Storage Temperature Range	32° to 140°F (0° to 60°C)
Relative Humidity	5% to 80% RH, Non Condensing
COMMUNICATIONS	
Network Compatibility	10 Gbps
Network Speed Details	10 Gbps
Wavelength	1300nm; 1310nm; 850nm
Transmission Distance	80Km
IEEE Standards Supported	802.3ab; 802.3z
Network Compatibility Details	SFP+ Port Supports: IEEE 802.3ab 1000Base-Tx & IEEE 802.3z 1000Base-Fx protocols; Optical Signals: 1310nm and 1550nm
FEATURES & SPECIFICATIONS	
Data Transfer Rate	10 Gbps
Mounting Accessory Included	No
Working Mode	Full/Half Duplex
Ethernet Support	Yes
Auto MDIX Support	No
DIN Mountable	No
Optical Port	SFP
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CE; FCC; GS; LPS; TUV; UL; WEEE; cUL

Product Certifications	CAN/CSA-C22.2 No. 62368-1 (Canada); IEC 62368-1; UL 62368-1
Product Compliance	CE (Europe); FCC Part 15 Class B (USA); REACH; RoHS; UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com