

10 Gb SFP+ to RJ45 Ethernet Media Converter - 850 nm and 1310 nm Compatible, Up to 80 km (50 mi.)

MODEL NUMBER: N786-001-SFP



Extends a 10 Gbps Ethernet network connection over fiber optic cable using your choice of SFP+ transceiver.

Features

Customizes Your Network Extension over Fiber Optic Cable

This network media converter works with a variety of SFP and SFP+ transceivers to convert a copper Gigabit Ethernet signal to fiber optic and extend it to a second network device. The customizable SFP port supports both singlemode and multimode transceivers, allowing your network connection to reach hubs, switches and other devices located up to 80 kilometers (50 miles) away. The N786-001-SFP is ideal for network engineers migrating toward higher-density data centers.

Flexible to Fit Your Network Needs

Not only does the N786-001-SFP 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. Auto-negotiation and automatic MDI/MDI-X configuration seamlessly connect devices without crossover cabling.

LEDs Indicate Installation Performance and Diagnostic Functions

Easy-to-read LEDs on the side of the media converter indicate essential status information, including network speed and connection, signal diagnostics and unit power. LEDs also indicate when a copper or fiber cable has been severed or another cause of disruption in service has occurred.

Protective Metal Housing Built to Withstand a Variety of Hazards

The rugged metallic case is designed to operate in temperatures ranging from 0 to 55 degrees Celsius (32 to 131 degrees Fahrenheit).

Specifications

Highlights

- Customizable converter extends up to 10 Gbps of data via open SFP+ port up to 80 km
- Automatic MDI/MDI-X configuration connects devices without crossover cabling
- Quick installation supports hot-swapping of connected transceivers and network cables
- Durable housing withstands operating temperature range of 0° to 55°C

Package Includes

- N786-001-SFP 10 Gb SFP+ to 10 Gb RJ45 Media 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

OVERVIEW

UPC Code

037332292353



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Product Type	Ethernet Media Converter
Technology	Cat5/5e; Cat6; Cat6a; Multimode; Singlemode
Optical Mode	OM3; OM4; OM5; OS2; SM
Mode Type	Multimode; Singlemode
VIDEO	
Signal Range (m)	300 - 80000
DISPLAY	
Accessories (Included)	External power supply (Input: 100–240V, 50/60 Hz, 0.35A; Output: 12V 1A)
NETWORK	
Network Ports	RJ45 (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	RJ45 (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



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Material of Construction	Metal Shell
Power Cord Color	Black
Housing Color	Black
Shipping Dimensions (hwd / in.)	2.36 x 5.11 x 9.44
Shipping Dimensions (hwd / cm)	6.00 x 13.00 x 24.00
Shipping Weight (lbs.)	0.97
Shipping Weight (kg)	0.44
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 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	100 Mbps (Fast Ethernet); 1 Gbps (Gigabit); 2.5 Gbps; 10 Gbps
Network Speed Details	1000Base-T, 2.5GBase-T, 5GBase-T, 10GBase-T, 10GBase-R
Wavelength	1300nm; 1310nm; 850nm
Transmission Distance	300m to 80Km
IEEE Standards Supported	802.3x
Network Compatibility Details	RJ45 Port Supports: 1000Base-T: Cat5 UTP/STP, Max 100 m (328 ft.); 2.5GBase-T: Cat5e UTP/STP, Max 50 m (164 ft.); 5GBase-T: Cat5e UTP/STP, Max 50 m (164 ft.); 10GBase-T: Cat6a UTP/STP, Max 50 m (164 ft.) SFP+ Port Supports: 10Gbps: Multimode 50/125um, Singlemode 9/125um
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); IEEE 802.3x Flow Control; RoHS; UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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