Industrial Gigabit Fiber to Ethernet Media Converter, 10/100/1000 Mbps, RJ45/SFP, -40° to 75°C, DC Power, TAA

MODEL NUMBER: **N785-I01-SFP-D**

Extends a 10/100/1000 Mbps Gigabit Ethernet network connection over fiber optic cable using your choice of SFP transceiver.

Features

Customize a Network Extension over Fiber Optic Cable
This network media converter works with a variety of 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 farther away than copper cabling's 100-meter limit. Auto-negotiation and automatic MDI/MDI-X configuration seamlessly connect devices without crossover cabling.

Monitor Your Installation with Link Fault Signaling and Loop Back Functions
Determine the health of your network connection via the Link Fault Signaling (LFS) and Line Loop Back (LLB) functions. The LFS LED indicates when a copper or fiber cable has been severed or another cause of disruption in service has occurred. The LLB diagnostic test ensures copper and fiber cables have been correctly installed. Use the DIP switches to control each function or turn them on or off.

LEDs Indicate Installation Performance and Diagnostic Functions
Easy-to-read LEDs on the side of the unit indicate essential status information, including network speed and connection, LFS diagnostics and unit power. The included 20–57VDC terminal block provides primary and secondary power inputs.

Protective Metal Housing Built to Withstand a Variety of Hazards
The IP30 industrial-grade aluminum case is protected from entry by tools, wires and other solid objects greater than 2.5 millimeters in diameter. It can also operate in extreme temperatures ranging from -40 to 75 degrees Celsius (-40 to 167 degrees Fahrenheit). It is protected from electrostatic discharge (ESD), radio frequency interference (RFI) and power surges. Hardware is included for DIN mounting.

TAA-Compliant for GSA Schedule Purchases
The N785-I01-SFP-D is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

Highlights

- Customizable converter extends up to 1000 Mbps (1 Gbps) of data via open SFP port
- Automatic MDI/MDI-X configuration connects devices without crossover cabling
- IP30 aluminum housing withstands operating temperature range of -40° to 75°C
- Primary and redundant power supply ports allow connection of dual DC power sources
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- N785-I01-SFP-D Media Converter
- SFP connector cap
- RJ45 connector cap
- Terminal block (20-57VDC)
- DIN rail kit
- Quick Start Guide

OVERVIEW	
UPC Code	037332268587
Product Type	Fiber to Ethernet
Technology	Cat5/5e; Cat6; Cat6a; Fiber; Multimode; Singlemode
Mode Type	Multimode; Singlemode

DISPLAY	
Accessories (Included)	RS232 Terminal Block, DIN Rail Mount, RJ45 Insert Cap, SFP Insert Cap

NETWORK	
Network Ports	RJ45 (FEMALE); SFP (FEMALE)

INPUT	
AC Power Adapter Input Specs (V / Hz / A)	20-57V DC

POWER	
Power Consumption (Watts)	6.00

CONNECTIONS	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	SFP (FEMALE)

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	PWR (Power), RPS (Redundant power), ALM (PWR & RPS fails), SFP (For SFP port link-up), 1000 (For Ethernet speed 1000Mbps, LNK/ACT (For data transmitting/receiving)

PHYSICAL	
Color	Black
Unit Dimensions (hwd / in.)	0.550 x 1.810 x 3.820
Unit Dimensions (hwd / cm)	1.4 x 4.6 x 9.7
Unit Packaging Type	Box
Unit Weight (lbs.)	0.93
Unit Weight (kg)	0.42
Housing	Metal

ENVIRONMENTAL	
Operating Temperature Range	-40° to 167°F (-40° to 75°C)
Storage Temperature Range	-40° to 185°F (-40° to 85°C)
Operating Humidity Range	10% to 95% RH, (Non-Condensing)

Storage Humidity Range	5% to 95% RH (Non Condensing)

COMMUNICATIONS	
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit)
Network Speed Details	10 Mbps; 100 Mbps; 1000 Mbps
Transmission Distance	Depends on transceiver used
IEEE Standards Supported	802.3; 802.3ab; 802.3u; 802.3x; 802.3z
Wavelength Division Multiplexing (WDM)	Yes

FEATURES & SPECIFICATIONS	
Data Transfer Rate	1 Gbps; 10 Mbps; 100 Mbps
Mounting Accessory Included	Yes
Auto MDIX Support	Yes
DIN Mountable	Yes
Optical Port	SFP

STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe); FCC (USA); Trade Agreements Act (TAA)

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty