

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

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.

### 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

## Specifications



<b>OVERVIEW</b>	
UPC Code	037332268587
Product Type	Fiber to Ethernet
Technology	Cat5/5e; Cat6; Cat6a; Fiber; Multimode; Singlemode
Mode Type	Multimode; Singlemode
<b>DISPLAY</b>	
Accessories (Included)	RS232 Terminal Block, DIN Rail Mount, RJ45 Insert Cap, SFP Insert Cap
<b>NETWORK</b>	
Network Ports	RJ45 (FEMALE); SFP (FEMALE)
<b>POWER</b>	
External Power Supply Input Specs (V / Hz / A)	20-57V DC
Power Consumption (Watts)	6.00
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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)
<b>PHYSICAL</b>	
Color	Black
Unit Dimensions (hwd / in.)	0.55 x 1.81 x 3.82
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
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	-40 to 167F (-40 to 75C)
Storage Temperature Range	-40 to 185F (-40 to 85C)
Operating Humidity Range	10% to 95% RH (Non Condensing)
Storage Humidity Range	5% to 95% RH (Non Condensing)
<b>COMMUNICATIONS</b>	
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
<b>CONNECTIONS</b>	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	SFP (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Data Transfer Rate	1 Gbps; 10 Mbps; 100 Mbps
Auto MDIX Support	Yes
DIN Mountable	Yes
Mounting Accessory Included	Yes
Optical Port	SFP
<b>STANDARDS &amp; COMPLIANCE</b>	
Certifications	CE, FCC, RoHS
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

© 2021 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>