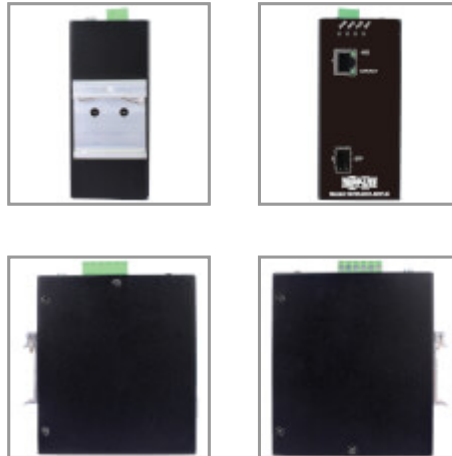


## Hardened Gigabit Fiber to Ethernet Media Converter, 10/100/1000 Mbps, RJ45/SFP, -10° to 60°C, DC Power

MODEL NUMBER: N785-H01-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 Connection 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 Line Loop Back

Determine the health of your network connection via the Line Loop Back (LLB) function, which 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 hardened aluminum case is designed to operate in extreme temperatures ranging from -10 to 60 degrees Celsius (14 to 140 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-H01-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
- Hardened aluminum housing withstands operating temperature range of -10° to 60°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-H01-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	037332268570
Product Type	Fiber to Ethernet
Technology	Cat5/5e; Cat6; Fiber
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)	5.50
<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.)	1.970 x 4.570 x 3.940
Unit Dimensions (hwd / cm)	5 x 11.6 x 10
Unit Packaging Type	Box
Unit Weight (lbs.)	0.93
Unit Weight (kg)	0.42
Housing	Metal
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	14 to 140F (-10 to 60C)
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>	
Product Compliance	RoHS; CE (Europe); FCC (USA); Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	2-year limited warranty