

## Gigabit SFP Fiber to Ethernet Media Converter, POE+ - 10/100/1000 Mbps

MODEL NUMBER: **N785-P01-SFP**



Customizable media converter extends your copper Gigabit Ethernet network connection over fiber optic cable with the addition of PoE.

### Features

**Customizable Media Converter Extends Power and Data to a PoE+ Device via Fiber Cable** This economical unit converts a singlemode or multimode fiber optical signal to a copper Ethernet signal that extends both power (48 VDC) and 10/100/1000 Mbps Gigabit Ethernet to a PoE+ (Power over Ethernet) device. Because Cat5e/6 cables are limited to only 100 meters, it is more effective to couple the N785-P01-SFP with fiber cable to reach greater distances. This could include providing both data and power to PoE and PoE+ devices, such as security cameras, VoIP telephones, point-of-sale kiosks and access control devices.

**Works in Tandem with Tripp Lite's N785-Series (Non-PoE) Media Converters** The N785-P01-SFP lets you choose a transceiver that suits your system, while also delivering power to your PoE+ device (Tripp Lite's N286-01GSX-MDLC and N286-01GLX-SLX transceivers sold separately). It connects to a Tripp Lite N785-Series non-PoE media converter using your choice of singlemode or multimode cabling. It also delivers data and power to a 10/100/1000 Mbps PoE device up to 100 meters (328 feet) away using Cat5e/6 cabling (such as Tripp Lite's N001- or N201-Series cables).

**Supports Power over Ethernet to Save You Money and Give You More Installation Choices** PoE saves you the expense and effort of purchasing, connecting and installing individual power supplies for each device. It also helps you install PoE devices in areas far away from AC outlets, such as poles or ceilings.

**Supports Auto-Sensing of Network Speed and Other Advanced Functions** Monitoring and controlling your network nodes is easy with the N785-P01-SFP's advanced features, such as automatic network speed sensing, full/half-duplex auto-detection and automatic MDI/MDI-X configuration. Six LEDs indicate the converter's power, PoE, Ethernet network and fiber link statuses at a glance. Link fault pass through (LFP) monitors all ports to ensure link status remains active.

**Completely Plug-and-Play with No Additional Software Required for Connection** The compact metal converter is easy to install and set up with no software or drivers required. The included power supply connects to a convenient AC outlet with no computer or other signal source needed.

## Specifications

### Highlights

- Extends power (48 VDC) + data (1000 Mbps) to any edge PoE+ device
- Customizable SFP port supports both 1G single- and multimode transceivers
- RJ45 jack supports auto MDI/MDI-X to bridge various network devices
- Supports both full- and half-duplex operation
- Works in tandem with Tripp Lite N785-Series non-PoE converters (sold separately)

### Applications

- Deliver power and data to a PoE device mounted somewhere that is difficult to reach or without AC outlets
- Extend a Gigabit Ethernet network beyond the standard 100 m reach of copper cabling

### System Requirements

- 10/100/1000 Mbps Gigabit Ethernet network
- Singlemode or multimode transceiver (such as Tripp Lite's N286-01GSX-MDLC or N286-01GLX-SLX)
- Tripp Lite N785-Series media converter (without PoE)

### Package Includes

- N785-P01-SFP Gigabit SFP Fiber to Ethernet Media Converter
- External power supply with 3.6 ft. (1.1 m) cord and NEMA 5-15P plug (Input: 100-240V, 50/60 Hz, 1.5A; Output: 48V 1.25A)
- Owner's manual

OVERVIEW	
UPC Code	037332236937
Product Type	Fiber to PoE
Technology	Cat5/5e; Cat6; Cat6a; Multimode; PoE; Singlemode
Mode Type	Multimode; Singlemode
DISPLAY	
Accessories (Included)	External Power Supply (Input: 100-240V, 50/60Hz, 1.5A; Output: 48V/1.25A)
NETWORK	
Network Ports	RJ45 (FEMALE); SFP (FEMALE)
POWER	
AC Adapter	Input: 100-240V, 50/60Hz, 1.5A; Output: 48V, 1.25A
External Power Supply Input Specs (V / Hz / A)	100-240V, 50/60Hz, 1.5A
External Power Supply Output Specs (V / A)	48V/1.25A
External Power Supply Cord Length (ft.)	3.6
External Power Supply Cord Length (m.)	1.1
DC Barrel Plug	OD: 5.5 x 2.1 x 10mm, Positive Pin, Negative Sleeve
External Power Supply Plug(s)	NEMA 5-15P North America
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	PWR (Power LED), 1000M (UTP port speed LED), PoE (PoE status LED), SD (Fiber signal LED), L/A TP (UTP Port link status LED), L/A FP (Fiber port link status LED)
PHYSICAL	
Color	Black
Power Cord Color	Black
Unit Dimensions (hwd / in.)	0.98 x 3.74 x 2.76
Unit Packaging Type	Box
Unit Weight (lbs.)	0.44
Unit Weight (kg)	0.20
Housing	Metal
ENVIRONMENTAL	
Operating Temperature Range	-4 to 140°F (-20 to 60°C)

Storage Temperature Range	-4 to 158°F (-20 to 70°C)
Relative Humidity	5% to 90% 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; 802.3u; 802.3ab; 802.3z; 802.3at; 802.3af
Wavelength Division Multiplexing (WDM)	Yes
<b>CONNECTIONS</b>	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	SFP (FEMALE)
PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Data Transfer Rate	1 Gbps; 10 Mbps; 100 Mbps
Auto MDIX Support	Yes
DIN Mountable	No
Mounting Accessory Included	No
Working Mode	Full/Half Duplex
<b>STANDARDS &amp; COMPLIANCE</b>	
External Power Supply Certifications	CCC; FCC; PSE; UL; cUL
Certification & Compliance	FCC (USA); RoHS
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

© 2022 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>