

## Gigabit Multimode Fiber to Ethernet Media Converter, POE+ - 10/100/1000 SC, 850 nm, 550M (1804.46 ft.)

MODEL NUMBER: N785-P01-SC-MM1



Extends your copper Gigabit Ethernet network connection up to 550 m (1804 ft.) over SC fiber optic cable with the addition of PoE.

### Features

**Extends Power and Data to a PoE+ Device up to 550 Meters via SC Multimode Fiber Cable** This economical unit converts a 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-SC-MM1 with multimode 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.

**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-SC-MM1's advanced features, such as automatic network speed sensing, full/half-duplex auto-detection and automatic MDI/MDIZ configuration. Six LEDs indicate the converter's power, PoE, Ethernet network and fiber link statuses at a glance. Link fault pass through (LFP) monitors both the SC and RJ45 ports to ensure link status remains active.

**Works in Tandem with Tripp Lite's N785-001-SC-MM Media Converter** This media converter connects to the N785-001-SC-MM using multimode fiber optic cabling with SC ends (such as Tripp Lite's N520-Series, sold separately) to extend an Ethernet network connection up to 550 meters. Use Cat5e/6 cabling (such as Tripp Lite's N001- or N201-Series cables) to deliver data and power to a 10/100/1000 Mbps PoE device up to 100 meters (328 feet) from the N785-P01-SC-MM1.

**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.

### Highlights

- Extends power (48 VDC) + data (1000 Mbps) to any edge PoE+ device
- Supports multimode fiber optic cable with SC connectors up to 550 m (1804 ft.)
- RJ45 jack supports auto-MDI/MDIZ to bridge various network devices
- Supports both full- and half-duplex operation
- Works in tandem with Tripp Lite N785-001-SC-MM (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
- Multimode SC fiber optic cabling up to 550 m (1804 ft.)
- Tripp Lite N785-001-SC-MM media converter

### Package Includes

- N785-P01-SC-MM1 Gigabit Multimode Fiber to Ethernet Media Converter
- External power supply with 3.6-ft. (1.09 m) cord and NEMA 5-



15P plug (Input: 100-240V,  
50/60 Hz, 1.5A; Output: 48V  
1.25A)

- Owner's manual

## Specifications

OVERVIEW	
UPC Code	037332236913
Technology	Cat5/5e; Cat6; Cat6a; Multimode; PoE
INPUT	
External Power Supply Plug(s)	NEMA 5-15P North America
POWER	
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 Certifications	CCC; FCC; PSE; UL; cUL
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
Unit Dimensions (hwd / in.)	0.98 x 3.74 x 2.76
Unit Weight (kg)	0.20
Unit Weight (lbs.)	0.44
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
COMMUNICATIONS	



Network Speed	1Gbps
<b>CONNECTIONS</b>	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	SC DUPLEX (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Wavelength	850nm
Working Mode	Full/Half Duplex
Optical Port	SC
Transmission Distance	550m
Mode Type	Multimode
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

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