

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 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 (N286-01GSX-MDLC and N286-01GLX-SLX transceivers sold separately). It connects to a 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 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 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 N286-01GSX-MDLC or N286-01GLX-SLX)
- 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) |
| INPUT | |
| AC Power Adapter Plug(s) | NEMA 5-15P North America |
| AC Power Adapter Input Specs (V / Hz / A) | 100-240V / 50/60Hz / 1.5A |
| AC Power Adapter Output Specs (V / A) | 48V / 1.25A |
| AC Power Adapter Cord Length (ft.) | 3.6 |
| AC Power Adapter Cord Length (m) | 1.1 |
| POWER | |
| Power Source Type | AC Adapter with detachable power cord |
| AC Adapter | Input: 100-240V, 50/60Hz, 1.5A; Output: 48V, 1.25A |
| DC Barrel Plug | OD: 5.5 x 2.1 x 10mm, Positive Pin, Negative Sleeve |
| 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.) | 0.980 x 3.740 x 2.760 |
| 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 |
| 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; 802.3u; 802.3ab; 802.3z; 802.3at; 802.3af |
| Wavelength Division Multiplexing (WDM) | Yes |
| CONNECTIONS | |
| Side A - Connector 1 | RJ45 (FEMALE) |
| Side B - Connector 1 | SFP (FEMALE) |
| PoE Type | Type 2 PoE+ (30W, IEEE 802.3at) |
| FEATURES & SPECIFICATIONS | |
| Data Transfer Rate | 1 Gbps; 10 Mbps; 100 Mbps |
| Mounting Accessory Included | No |
| Working Mode | Full/Half Duplex |
| Auto MDIX Support | Yes |
| DIN Mountable | No |
| STANDARDS & COMPLIANCE | |
| External Power Supply Certifications | CCC; FCC; PSE; UL; cUL |
| Product Compliance | RoHS; FCC (USA) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |