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

MODEL NUMBER: **N785-I01-SFP-DU**

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 unmanaged 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.

LEDs Indicate Installation Performance and Diagnostic Functions
Easy-to-read LEDs on the side of the unit indicate essential information, including network speed, connection status and unit power. The included 12–57VDC terminal block provides primary and secondary power inputs. You can also power the media converter with a user-supplied 12VDC power supply.

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-DU 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-DU Media Converter
- SFP connector cap
- RJ45 connector cap
- Terminal block (12–57VDC)
- DIN rail kit
- Quick Start Guide

Specifications

OVERVIEW	
UPC Code	037332268594

Product Type	Fiber to Ethernet
Technology	Cat5/5e; Cat6; Cat6a; Fiber; Multimode; Singlemode
Mode Type	Multimode; Singlemode
DISPLAY	
Accessories (Included)	RS232 Terminal Block, DIN Rail Mount, RJ45 Insert Cap, SFP Insert Cap
NETWORK	
Network Ports	RJ45 (FEMALE); SFP (FEMALE)
POWER	
External Power Supply Input Specs (V / Hz / A)	12-57V DC
Power Consumption (Watts)	6.00
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	PWR (Power), L/A (For Ethernet port link-up), 100 (For Ethernet & SFP speed 100Mbps), 1000 (For Ethernet & SFP speed 1000Mbps)
PHYSICAL	
Color	Black
Unit Dimensions (hwd / in.)	1.97 x 1.67 x 2.36
Unit Dimensions (hwd / cm)	5.0 x 4.25 x 6.0
Unit Packaging Type	Box
Unit Weight (lbs.)	0.42
Unit Weight (kg)	0.19
Housing	Metal
ENVIRONMENTAL	
Operating Temperature Range	-40 to 167F (-40 to 75C)
Storage Temperature Range	-40 to 185F (-40 to 85C)
Relative Humidity	5% to 95% RH, Non Condensing
Operating Humidity Range	10% to 95% RH (Non Condensing)
Storage Humidity Range	5% to 95% 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	Dependent on SFP type; RJ45 = 100 M

IEEE Standards Supported	802.3ab; 802.3u; 802.3z
Wavelength Division Multiplexing (WDM)	Yes

CONNECTIONS	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	SFP (FEMALE)

FEATURES & SPECIFICATIONS	
Data Transfer Rate	1 Gbps; 10 Mbps; 100 Mbps
Auto MDIX Support	Yes
DIN Mountable	Yes
Mounting Accessory Included	Yes
Optical Port	SFP

STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe); FCC (USA)

WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty