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

MODEL NUMBER: **N785-H01-SFP**







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 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 Link Fault Signaling and Loop Back Functions
Determine the health of your network connection via the Link Fault Signaling (LFS) and Loop Back functions. The LFS LED indicates when a copper or fiber cable has been severed or another cause of disruption in service has occurred. The Local Loop Back (LLB) and Remote Loop Back (RLB) functions ensure 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.

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 wall or DIN mounting.

Works in Tandem with N785-CH12 Chassis
House and power up to 12 media converters, including the N785-H01-SFP, using the N785-CH12 12-port chassis (sold separately) to create an organized installation.

TAA-Compliant for GSA Schedule Purchases
The N785-H01-SFP 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
- LEDs indicate Ethernet connection and various statuses, including data transfer speed
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- N785-H01-SFP Media Converter
- L-shaped bracket
- Rubber foot
- SFP connector cap
- External power supply with NEMA 1-15P plug (Input: 100–240VAC, 50/60 Hz, 0.5A; Output: 12VDC 1.5A)
- DIN rail kit
- Wall-mounting hardware
- Quick Start Guide

Specifications

OVERVIEW	
UPC Code	037332268563
Product Type	Fiber to Ethernet
Technology	Cat5/5e; Cat6; Multimode
Mode Type	Multimode; Singlemode
DISPLAY	
Accessories (Included)	External Power Supply (Input: 100-240V, 50/60Hz, 0.5A; Output: 12V/1.5A), Mounting Bracket, Mounting Hardware, DIN Rail, SFP Insert Cap, L-Shape Holder, Rubber Foot
NETWORK	
Network Ports	RJ45 (FEMALE); SFP (FEMALE)
INPUT	
AC Power Adapter Plug(s)	NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.5A
AC Power Adapter Output Specs (V / A)	12V / 1.5A
AC Power Adapter Cord Length (ft.)	3.94
AC Power Adapter Cord Length (m)	1.2
POWER	
Power Source Type	AC Adapter
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 12V, 1.5A
DC Barrel Plug	OD: 5.5 x 2.5 x 11mm, Positive Pin, Negative Sleeve
Power Consumption (Watts)	1.80
CONNECTIONS	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	SFP (FEMALE)
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	PWR (Power), ALM (LFS function indicator), Fiber - 1000 (For Ethernet speed 1000Mbps), LNK/ACT (For Fiber port data transmitting/receiving), RJ45 - 1000 (For RJ45 speed 1000Mbps), LNK/ACT (For Copper port data transmitting/rec)
PHYSICAL	
Color	Black
Power Cord Color	Black

Unit Dimensions (hwd / in.)	0.920 x 2.910 x 4.300
Unit Dimensions (hwd / cm)	2.34 x 7.38 x 10.92
Unit Packaging Type	Box
Unit Weight (lbs.)	0.5267
Unit Weight (kg)	0.24
Housing	Metal
ENVIRONMENTAL	
Operating Temperature Range	14° to 140°F (-10° to 60°C)
Storage Temperature Range	-40° to 185°F (-40° to 85°C)
Relative Humidity	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	802.3; 802.3ab; 802.3u; 802.3z
Wavelength Division Multiplexing (WDM)	Yes
FEATURES & SPECIFICATIONS	
Data Transfer Rate	1 Gbps; 10 Mbps; 100 Mbps
Mounting Accessory Included	Yes
Auto MDIX Support	Yes
DIN Mountable	Yes
Optical Port	SFP
STANDARDS & COMPLIANCE	
External Power Supply Certifications	FCC; LPS; UL; WEEE
Product Compliance	RoHS; CE (Europe); FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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