

Hardened Copper to Fiber Media Converter - 10/100 Mbps, RJ45/SC Singlemode, -10° to 60°C, 30 km (18.6 mi.)

MODEL NUMBER: N784-H01-SCSM



Extends a 10/100 Mbps Ethernet network connection over SC duplex singlemode fiber optic cable up to 30 kilometers.

Features

Extends a Network Connection up to 30 km over SC Singlemode Fiber Optic Cable

This network media converter converts a copper Ethernet signal to a singlemode fiber optic signal and extends it to a second network device up to 30 kilometers (18.6 miles) away. Because copper Cat5e/6 cables are limited to only 100 meters, it is more effective to couple the N784-H01-SCSM with singlemode fiber cable to reach hubs, switches and other 10/100Base-TX/FX network devices located farther away. 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 Tripp Lite's N785-CH12 Chassis

House and power up to 12 Tripp Lite media converters, including the N784-H01-SCSM, using the N785-CH12 12-port chassis (sold separately) to create an organized installation.

TAA-Compliant for GSA Schedule Purchases

The N784-H01-SCSM is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible

Highlights

- Extends up to 100 Mbps of data to a network device located up to 30 km away
- 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

- N784-H01-SCSM Media Converter
- L-shaped bracket
- Rubber foot
- SC 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

for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

| OVERVIEW | |
|---|---|
| UPC Code | 037332267030 |
| Product Type | Fiber to Ethernet |
| Technology | Cat5/5e; Cat6; Cat6a; PoE; Singlemode |
| Mode Type | Singlemode |
| DISPLAY | |
| Accessories (Included) | External Power Supply (Input: 100-240V, 50/60Hz, 0.5A; Output: 12V/1.5A), Mounting Bracket, Mounting Hardware, DIN Rail, SC Connector Cap, L-Shape Holder, Rubber Foot |
| NETWORK | |
| Network Ports | RJ45 (FEMALE); SC (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 |
| Nominal Input Voltage(s) Supported | 120V AC; 240V AC |
| 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 |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | PWR(Power LED), ALM (LFS function indicator), Fiber - 100 (For Ethernet speed 100Mbps), LNK/ACT (Fiber port data transmitting/receiving), RJ45 - 100 (For RJ45 speed 10/100Mbps), LNK/ACT (For Copper port data transmitting/receiving) |
| PHYSICAL | |
| Color | Black |

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|--|--|
| 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) |
| Network Speed Details | 10 Mbps; 100 Mbps |
| Wavelength | 1310nm |
| Transmission Distance | 30 km |
| IEEE Standards Supported | 802.3; 802.3u |
| Wavelength Division Multiplexing (WDM) | Yes |
| CONNECTIONS | |
| Side A - Connector 1 | RJ45 (FEMALE) |
| Side B - Connector 1 | SC (FEMALE) |
| FEATURES & SPECIFICATIONS | |
| Data Transfer Rate | 10 Mbps; 100 Mbps |
| Mounting Accessory Included | Yes |
| Auto MDIX Support | Yes |
| DIN Mountable | Yes |
| Optical Port | SC |
| STANDARDS & COMPLIANCE | |
| External Power Supply Certifications | FCC; LPS; UL; WEEE |
| Product Compliance | RoHS; CE (Europe); FCC (USA); Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT | |



1000 Eaton Boulevard
Cleveland, OH 44122
United States

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