

## Hardened Copper to Fiber Media Converter - 10/100 Mbps, RJ45/ST Multimode, -10° to 60°C, 2 km (1.2 mi.), TAA

MODEL NUMBER: N784-H01-STMM



Extends a 10/100 Mbps Ethernet network connection over ST duplex multimode fiber optic cable up to 2 kilometers.

### Features

#### Extends a Network Connection up to 2 km over ST Multimode Fiber Optic Cable

This network media converter converts a copper Ethernet signal to a multimode fiber optic signal and extends it to a second network device up to two kilometers (1.2 miles) away. Because copper Cat5e/6 cables are limited to only 100 meters, it is more effective to couple the N784-H01-STMM with multimode 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 N785-CH12 Chassis

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

#### TAA-Compliant for GSA Schedule Purchases

The N784-H01-STMM 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

- Extends up to 100 Mbps of data to a network device located up to 2 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-STMM Media Converter
- L-shaped bracket
- Rubber foot
- ST 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



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|                                              |                                                                                                                                                                                                                              |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UPC Code                                     | 037332267023                                                                                                                                                                                                                 |
| Product Type                                 | Fiber to Ethernet                                                                                                                                                                                                            |
| Technology                                   | Cat5/5e; Cat6; Multimode                                                                                                                                                                                                     |
| Mode Type                                    | Multimode                                                                                                                                                                                                                    |
| <b>DISPLAY</b>                               |                                                                                                                                                                                                                              |
| Accessories (Included)                       | External Power Supply (Input: 100-240V, 50/60Hz, 0.5A; Output: 12V/1.5A), Mounting Bracket, Mounting Hardware, DIN Rail, ST Connector Cap, L-Shape Holder, Rubber Foot                                                       |
| <b>NETWORK</b>                               |                                                                                                                                                                                                                              |
| Network Ports                                | RJ45 (FEMALE); ST (FEMALE)                                                                                                                                                                                                   |
| <b>INPUT</b>                                 |                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                             |
| <b>POWER</b>                                 |                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                                         |
| <b>CONNECTIONS</b>                           |                                                                                                                                                                                                                              |
| Side A - Connector 1                         | RJ45 (FEMALE)                                                                                                                                                                                                                |
| Side B - Connector 1                         | ST (FEMALE)                                                                                                                                                                                                                  |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                                                                                                                                                                                                              |
| LED Indicators                               | PWR = Green (Power); ALM = Red (LFS Alarm); 100 (Green) = Fiber 100 Mbps Ethernet; LNK/ACT (Green) = Fiber data transmitting/receiving; 100 (Green) = RJ45 10/100 Mbps; LNK/ACT (Green) = Copper data transmitting/receiving |
| <b>PHYSICAL</b>                              |                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                          |



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|----------------------------------------|----------------------------------------------------------|
| Unit Packaging Type                    | Box                                                      |
| Unit Weight (lbs.)                     | 0.5267                                                   |
| Unit Weight (kg)                       | 0.24                                                     |
| Housing                                | Metal                                                    |
| <b>ENVIRONMENTAL</b>                   |                                                          |
| 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                             |
| <b>COMMUNICATIONS</b>                  |                                                          |
| Network Compatibility                  | 10 Mbps; 100 Mbps (Fast Ethernet)                        |
| Network Speed Details                  | 10 Mbps; 100 Mbps                                        |
| Wavelength                             | 1310nm                                                   |
| Transmission Distance                  | 2 km                                                     |
| IEEE Standards Supported               | 802.3; 802.3u                                            |
| Wavelength Division Multiplexing (WDM) | Yes                                                      |
| <b>FEATURES &amp; SPECIFICATIONS</b>   |                                                          |
| Data Transfer Rate                     | 10 Mbps; 100 Mbps                                        |
| Mounting Accessory Included            | Yes                                                      |
| Auto MDIX Support                      | Yes                                                      |
| DIN Mountable                          | Yes                                                      |
| Optical Port                           | ST                                                       |
| <b>STANDARDS &amp; COMPLIANCE</b>      |                                                          |
| External Power Supply Certifications   | FCC; LPS; UL; WEEE                                       |
| Product Compliance                     | RoHS; CE (Europe); FCC (USA); Trade Agreements Act (TAA) |
| <b>WARRANTY &amp; SUPPORT</b>          |                                                          |
| Product Warranty Period (Worldwide)    | 2-year limited warranty                                  |

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