TRIPP·LITE
by EAT•N
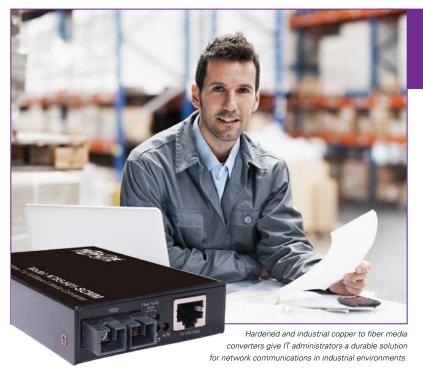
Hardened and industrial fiber optic media converters

Send signals across the factory floor without interference

Hardened and industrial copper to fiber media converters give IT administrators a durable solution for network communications in industrial environments.

Perfect for:
Factories, warehouses and other industrial environments.

Machinery in warehouses, factories and other industrial environments can create electrostatic discharge (ESD) and radio frequency interference (RFI) that adversely affect signals traveling over copper cable. Our copper to fiber media converters provide a durable solution for transmitting Ethernet signals in industrial environments without interference from ESD and RFI.

The media converters transform Cat5/6 UTP Ethernet signals into fiber signals that travel over fiber optic cable, which is much less vulnerable to interference and can transmit over long distances. They also withstand the harsh temperature ranges often found in industrial settings and can be mounted on a DIN rail.

Key benefits

QUICK SIGNAL TRANSMISSION OVER LONG DISTANCES

- Models are available for Fast Ethernet (10/100) and Gigabit Ethernet (10/100/1000) networks.
- MDI/MDIX crossover detection automatically detects and chooses the connection required, eliminating the need for crossover cables.
- Converters are available to support signals up to 18.6 miles (30 km) without interference from ESD and RFI.

WIDE COMPATIBILITY

- Choose from singlemode and multimode fiber models.
- SFP models have an open SFP port, allowing users to install their own transceiver.

RUGGED HOUSING

- Hardened housings and industrial housings support high and low operating temperatures and provide protection against ESD, RFI and surges.
- Industrial media converters feature an IP30 rating for protection from tools and wires greater than 2.5 mm.

WIDE OPERATING TEMPERATURE RANGE

- Designed for industrial environments, the media converters withstand greater temperature extremes than standard converters.

VERSATILE MOUNTING OPTIONS

- Mount on a DIN rail with the included kit, wall mount with the included hardware or place on a flat surface.
- An optional 3U chassis (sold separately) houses and powers up to 12 media converters.

SIGNALING INDICATORS

- LEDs indicate Ethernet connection and fiber link status; for example, Link Fault Signaling (LFS) LED indicates if a cable has been severed.

CONVENIENT TESTING
(varies by model - N785-I01-SFP-DU is unmanaged)

- Local Loopback (LLB) tests the copper network connection.
- Remote Loopback (RLB) tests the fiber network connection.
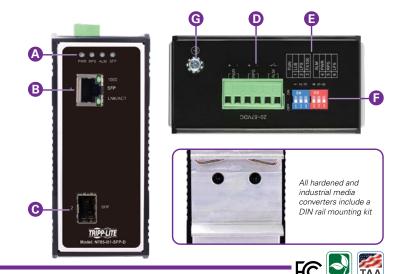- User-configurable DIP switches control each function to turn it off or on.

Feature focus

Model: N785-H01-SCMM

A SC Transmitter Port

B SC Receiver Port

C Status LEDs

D RJ45 Network Device Connector Port

E DIP Switch Key

F DIP Switches

G Power LED

H External AC Power Connector
(External power supply included)

Model: N785-I01-SFP-D

A Status Indicator LEDs

B RJ45 Network Device Connector Port

C SFP Port for Transceiver

D Primary and Secondary (Redundant)
Power Terminal Block

E DIP Switch Key

F DIP Switches

G Grounding Screw

All hardened and industrial media converters include a DIN rail mounting kit

SPECIFICATIONS

Model	Housing Type	Fiber Mode Type	Port Types	Network Speed	Transmission Distance	Operating Temp. Range	Power Source	Warranty
N784-H01-SCMM	Hardened	Multimode	SC/RJ45	100 Mbps	1.2 miles (2 km)	14° to 140°F (-10° to +60°C)	AC (external power supply included)	2 Years
N784-H01-STMM	Hardened	Multimode	ST/RJ45	100 Mbps	1.2 miles (2 km)	14° to 140°F (-10° to +60°C)	AC (external power supply included)	2 Years
N784-H01-SCSM	Hardened	Singlemode	SC/RJ45	100 Mbps	18.6 miles (30 km)	14° to 140°F (-10° to +60°C)	AC (external power supply included)	2 Years
N785-H01-SCMM	Hardened	Multimode	SC/RJ45	1 Gbps	1640 feet (500 m)	14° to 140°F (-10° to +60°C)	AC (external power supply included)	2 Years
N785-H01-SCSM	Hardened	Singlemode	SC/RJ45	1 Gbps	6.2 miles (10 km)	14° to 140°F (-10° to +60°C)	AC (external power supply included)	2 Years
N785-H01-SFP	Hardened	Singlemode/Multimode	SFP/RJ45	1 Gbps	Dependent on SFP type	14° to 140°F (-10° to +60°C)	AC (external power supply included)	2 Years
N785-H01-SFP-D	Hardened	Singlemode/Multimode	SFP/RJ45	1 Gbps	Dependent on SFP type	14° to 140°F (-10° to +60°C)	DC with Terminal Block	2 Years
N785-I01-SFP-D	IP30	Singlemode/Multimode	SFP/RJ45	1 Gbps	Dependent on SFP type	-40° to +167°F (-40° to +75°C)	DC with Terminal Block	2 Years
N785-I01-SFP-DU*	IP30	Singlemode/Multimode	SFP/RJ45	1 Gbps	Dependent on SFP type	-40° to +167°F (-40° to +75°C)	DC with Terminal Block & Power Jack**	2 Years

Accessories	
N785-CH12	12-slot rack-mount chassis for select N784-H and N785-H media converters***
N785-CH75W-AC	AC power source for N785-CH12
N785-CH75W-DC	DC power source for N785-CH12

* N785-I01-SFP-DU is unmanaged. ** External power supply (not included). *** The chassis is not compatible with N785-H01-SFP-D, N785-I01-SFP-D and N785-I01-SFP-DU.

Learn more about our full line of copper to fiber media converter solutions at tripplite.com.

TRIPP·LITE
by EATON

1111 W. 35th Street | Chicago, IL 60609
773.869.1773 | tripplite.com

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