

Owner's Manual

10/100/1000

Media Converters

Models: N785-INT-LC-MM (850nm),
N785-INT-SC-MM (850nm),
N785-INT-SC (1310nm)

Este manual esta disponible en español en la página de
Tripp Lite: www.tripplite.com/support

Ce manuel est disponible en français sur le site Web de
Tripp Lite : www.tripplite.com/support

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Product Features

- N785-INT-SC extends a 10/100/1000 Mbps Ethernet connection over multimode fiber cable up to 2000 m
- N785-INT-LC-MM and N785-INT-SC-MM extend a 10/100/1000 Mbps Ethernet connection over multimode fiber cable up to 550 m
- LED indicators monitor the Ethernet and fiber link status of the media converters
- Supports both full-duplex and half-duplex operation
- Supports Auto MDI / MDI-X
- Includes an international power supply with compatible North American, U.K., European (Schuko) and Australian plug adapters

Package Contents

- Media Converter
 - External Power Supply*
(Input: 100-240V, 50/60 Hz, 0.35A; Output: 5V 2A)
 - Owner's Manual
- * Includes NEMA 5-15P (North America), CEE 7/16 Schuko (Europe), BS 1363 (U.K.) and AS/NZS 3112 (Australia) plugs.

Optional Accessories

- N001-Series Cat5e Snagless Patch Cables
- N201-Series Cat6 Snagless Patch Cables
- N306-Series Duplex Multimode 62.5/125 Fiber Patch Cables (SC/SC)
- N320-Series Duplex Multimode 62.5/125 Fiber Patch Cables (LC/LC)
- N506-Series Duplex Multimode 50/125 Fiber Patch Cables (SC/SC)
- N520-Series Duplex Multimode 50/125 Fiber Patch Cables (LC/LC)

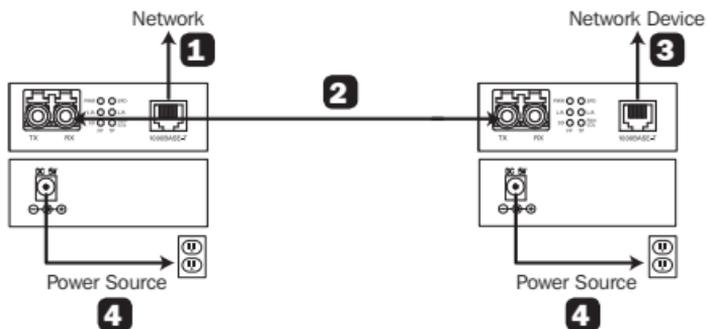
Installation

Notes:

1. *The following installation instructions refer to an installation in which two media converters are used.*
2. *The installation diagram on the next page features a N785-INT-LC-MM. Connections are the same for all models, with only the specs of the media converter being different. (See the Specifications section in this manual for details on your media converter.)*
3. *To avoid damage due to Electrostatic Discharge (ESD), it is recommended you handle the product while wearing an ESD wrist grounding strap or by touching a conductive surface (such as metal) to discharge any potential ESD prior to handling the product.*

Installation

- 1** Connect the RJ45 port on the media converter to your network using a Cat5e/6 cable.
- 2** Connect the media converter to a second identical media converter using the appropriate type of fiber cable, making sure to connect the TX port on one unit to the RX port on the other.
Note: Reference the Product Features section to determine which type of fiber cable is supported by your media converter.
- 3** Connect the RJ45 port on the second media converter to your network device (workstation, hub, switch, etc.) using a Cat5e/6 cable.
- 4** Connect the external power supplies that came with each media converter, and plug them into a power source.



LED Status Table

LED	Status	Description
FP – PWR	On	The unit is powered on
FP – PWR	Off	The unit is not powered on
FP – L/A	On	A link is detected between the connected fiber ports
FP – L/A	Blinking	Fiber data transmission is taking place
FP – L/A	Off	No link is detected between fiber ports
FP – SD	On	A fiber signal is detected
FP – SD	Off	No fiber signal is detected
TP – SPD	On	1000 Mbps
TP – SPD	Off	100 Mbps
TP – L/A	On	A UTP link is detected
TP – L/A	Blinking	UTP data transmission is taking place
TP – L/A	Off	No UTP link is detected
TP – FDX/COL	On	The unit is operating in Full-Duplex mode
TP – FDX/COL	Off	The unit is operating in Half-Duplex mode

Specifications

Specification	N785-INT-LC-MM	N785-INT-SC-MM	N785-INT-SC
Optical Wavelength (nm)	Multimode (850)		Multimode (1310)
Network Speed (Mbps)	10/100/1000		
Transmission Distance	550 m (1804 ft.)		2000 m (6561 ft.)
Duplex Mode	Full / Half (Auto-Detect)		
Optical Output Power Range (dBm)	-8 to -3		
Optical Input Power Range (dBm)	≤ -19		
Power Budget (dBm)	11		
Power Supply Input	100-240V, 50/60 Hz		
Power Supply Output	5V 2A		
Operating Temperature	0° to 60° C (32° to 140° F)		
Storage Temperature	-20° to 70° C (-4° to 158° F)		
Relative Humidity	5 to 90% RH, Non-Condensing		
Unit Dimensions [H x W x D]	25 x 94 x 71 mm (1 x 3.7 x 2.8 inches)		
Unit Weight	0.47 kg (1.03 lb.)		0.45 kg (1 lb.)

Warranty & Product Registration

2-Year Limited Warranty

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for a period of two (2) years from the date of initial purchase. If the product should prove defective in material or workmanship within that period, Seller will repair or replace the product, in its sole discretion. Service under this Warranty can only be obtained by your delivering or shipping the product (with all shipping or delivery charges prepaid) to: Tripp Lite, 1111 W. 35th Street, Chicago, IL 60609 USA. Seller will pay return shipping charges.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE; AND THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES. (Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from jurisdiction to jurisdiction).

WARNING: The individual user should determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of this device for any specific application.

PRODUCT REGISTRATION

Visit www.tripplite.com/warranty today to register the warranty for your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!*

* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

FCC Notice, Class B

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warranty & Product Registration

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications to this equipment not expressly approved by Tripp Lite could void the user's authority to operate this equipment.

WEEE Compliance Information for Tripp Lite Customers and Recyclers (European Union)



Under the Waste Electrical and Electronic Equipment (WEEE) Directive and implementing regulations, when customers buy new electrical and electronic equipment from Tripp Lite they are entitled to:

- Send old equipment for recycling on a one-for-one, like-for-like basis (this varies depending on the country)
- Send the new equipment back for recycling when this ultimately becomes waste

Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended.

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.



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