

Owner's Manual

19" 12-Slot Rack-Mount Media Converter Chassis

Models: N785-CH12,
75W AC Power Supply: N785-CH75W-AC,
75W DC Power Supply: N785-CH75W-DC

Este manual está disponible en español en la página de Tripp Lite: tripplite.com

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

WARRANTY REGISTRATION

Register your product today and be automatically entered to win an ISOBAR® surge protector in our monthly drawing!

tripplite.com/warranty



1111 W. 35th Street, Chicago, IL 60609 USA • tripplite.com/support

Copyright © 2021 Tripp Lite. All rights reserved.

Product Features

- House and power up to 12 media converters from the Tripp Lite N784/N785-Series (select models only, see **Compatible Models** for details)
- Prevent network downtime and protect media converter installations
- Three cooling fans ensure optimal operational environment is maintained
- LED panel allows for continuous monitoring of the cooling fans and media converters
- Includes a 75W AC power supply (N785-CH75-AC), but is also capable of being powered by DC power (N785-CH75-DC, sold separately)
- The chassis can operate with two load-sharing power supplies at once, with one being the primary power source and the second providing redundant backup power
- Redundant power supply provides protection from short circuits and features Auto-Recovery protection in the event that the primary power supply fails
- ON/OFF trigger guard prevents accidental power switch activation

Package Contents

N785-CH12

- N785-CH12 12-Port Chassis
- N785-CH75W-AC 75W AC Power Supply Preinstalled (Input: 90-240V, 50/60 Hz, 2A; Output: 12V 6.5A)
- Mounting Bracket (x2)
- Mounting Panel (x24)
- Rack-Mount Kit (x2)
- M3 6 x 5 mm Screw (x48)
- F3 6 x 5 mm Screw (x10)
- M5 16 x 10 mm Screw (x6)
- M4 10 x 8 mm Screw (x4)
- Fuse Glass Tube (x1 installed in the AC power supply and x2 spares)
- 6 ft. Power Cord
- Owner's Manual

N785-CH75W-AC

- N785-CH75W-AC 75W AC Power Supply
- 6 ft. Power Cord
- Fuse Glass Tube (1 preinstalled and 2 spares)
- Owner's Manual

N785-CH75W-DC

- N785-CH75W-DC 75W DC Power Supply
- Owner's Manual

Optional Accessories:

- N784-H01-SCMM Hardened 10/100 Copper to Fiber Media Converter, Multimode, RJ45/SC
- N784-H01-STMM Hardened 10/100 Copper to Fiber Media Converter, Multimode, RJ45/ST
- N784-H01-SCSM Hardened 10/100 Copper to Fiber Media Converter, Singlemode, RJ45/SC
- N785-H01-SCMM Hardened Gigabit Copper to Fiber Media Converter, Multimode, RJ45/SC
- N785-H01-SCSM Hardened Gigabit Copper to Fiber Media Converter, Singlemode, RJ45/SC
- N785-H01-SFP Hardened Gigabit Copper to Fiber Media Converter, RJ45/SFP
- N785-CH75W-AC 75W AC Power Supply for N785-CH12
- N785-CH75W-DC 75W DC Power Supply for N785-CH12

N785-CH12 Chassis Installation

N785-CH12 Front Panel

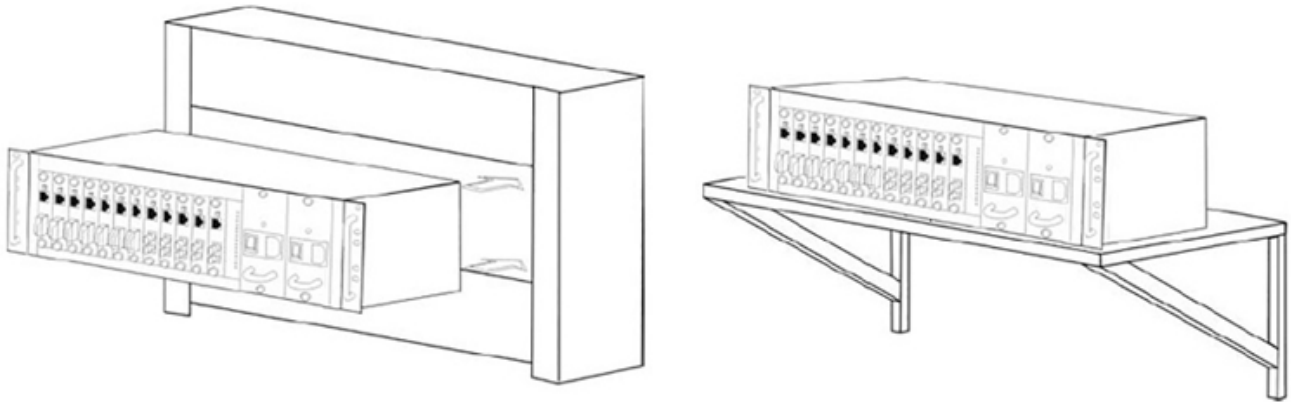


N785-CH12 Rear Panel



Wall-Mounting

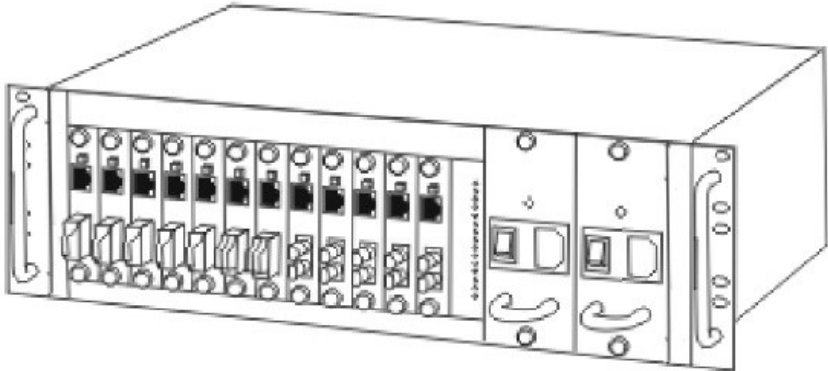
The chassis can be mounted on a wall with the use of a shelf. The shelf should be securely mounted to a suitable structure and must be able to hold at least 33 lb. (15 kg). The shelf should also be large enough to accommodate the chassis and also allow space for adequate ventilation.



N785-CH12 Chassis Installation

Desktop Placement

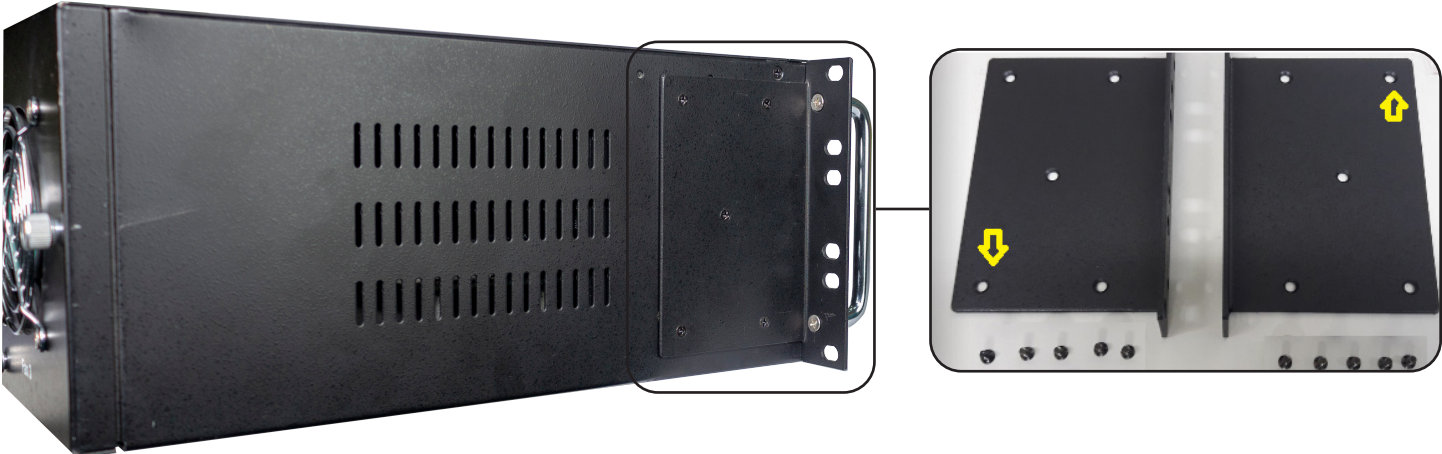
The chassis can also be placed flat on any desktop. Allow space for ventilation.



Rack-Mounting Instructions

The chassis can be rack-mounted into any standard 19-inch rack and takes up 3 units of space (3U). The unit includes mounting brackets, rack-mounting kit and hardware (see Package Contents for details).

- 1. Mount the two included brackets to either side of the chassis using the M3 black screws (x10).

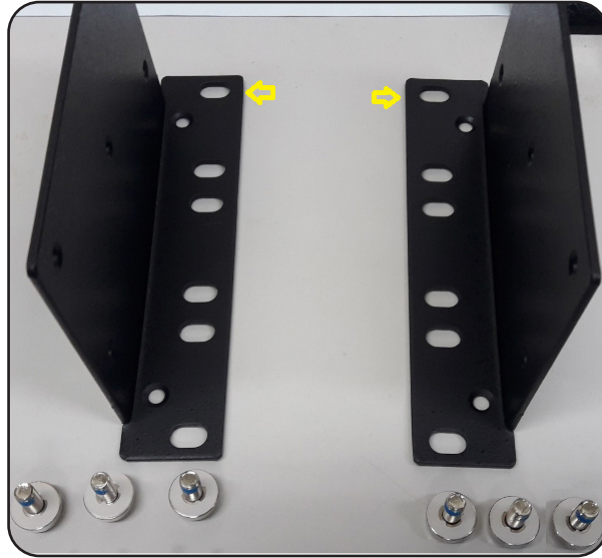


- 2. Attach the rack-mounting kit handles to the bracket using the included M4 silver screws (x4).



N785-CH12 Chassis Installation

3. Mount the chassis to the open slot of the rack using the M5 silver screws (x6).



Media Converter Installation

Notes:

- The N785-CH12 is compatible with a variety of Tripp Lite N784- and N785-Series media converters. Up to 12 media converters can be installed in the chassis's input slots. See **Compatible Models** for details.
- The below image shows a media converter being installed into the chassis using the included mounting brackets and hardware. The media converter can be installed into the chassis without the use of the brackets. However, this is not recommended.

1. Using a Phillips screwdriver, remove the screws from the side panels of the media converter.
2. Place the media converter and set of brackets on a flat surface and reinsert the screws with the brackets secured on each side.

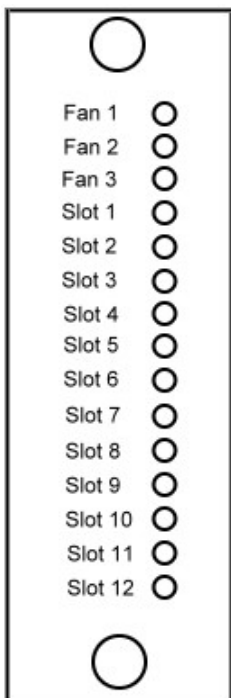


3. After ensuring the rails are flush with the underside of the converter, the converter is ready for loading into the chassis. Repeat steps 1-3 for additional media converters.



4. Once the brackets have been attached to all desired media converters, they can be inserted into the chassis.
5. Using a Phillips screwdriver, remove the screws from the slot cover panels.
6. Gently insert the media converter into the open slot with the front panel of the converter facing outward.
Note: Always ensure the converter's power socket at the rear of the unit is positioned at the base of the chassis.
7. Securely fasten the built-in panel screws into place on the chassis port.

Status Monitoring Panel



The chassis features a Status Monitoring Panel with three red “Fan” LEDs that illuminate to indicate the three rear cooling fans are functioning properly. The 12 green “Slot” LEDs illuminate to indicate a media converter has been correctly installed in the input slots. The LEDs will not illuminate if media converters are not currently installed or if there is a problem with the power supply.

Cooling Fan Maintenance

The N785-CH12 features three cooling fans located at the rear of the unit to draw air into the chassis. Each fan is connected to the Status Monitoring Panel on the front of the unit. The fans may be cleaned periodically by removing the panel assembly.

1. Switch both power supplies off (primary and redundant, if applicable) via the ON/OFF switches on each power supply.
2. Unscrew the cover screws and remove the covers.
3. Disconnect the three power cables supplying power to the fans.
4. Remove any dust or debris from the fans with a clean, dry cloth.
5. Replace the fan panel by reconnecting the power cables and screwing the panel back into place.



Compatible Models

The N785-CH12 chassis is compatible with the following Tripp Lite media converters:

N784-H01-SCMM
N784-H01-STMM
N784-H01-SCSM
N785-H01-SCMM
N785-H01-SCSM
N785-H01-SFP

The N785-CH12 chassis is **not** compatible with the following converters due to the media converters not fitting into the chassis ports (see tripplite.com for details):

N785-H01-SFP-D
N785-I01-SFP-D
N785-I01-SFP-DU

Power Supply Specifications

Notes:

- *The N785-CH12 is compatible with both AC and DC power supplies. The chassis includes one preinstalled AC power supply.*
- *Only one type of power supply should be used. Do not mix AC and DC power supplies.*

N785-CH75W-AC

Input: 90-240V, 50/60 Hz, 2A; Output: 12VDC/6.5A

The N785-CH12 chassis includes one N785-CH75W-AC 75W power supply installed. A second N785-CH75W-AC power supply can be installed in the redundant power supply bay to provide redundant power to the unit (sold separately, see tripplite.com).

N785-CH75W-DC

Input: Up to 48VDC/3A; Output: 12VDC/6.5A

If DC power is desired, the N785-CH75W-DC 75W DC power supply can be used (sold separately, see tripplite.com). Simply replace the preinstalled AC power supply and replace it with the N785-CH75W-DC. A second DC power supply can be installed to provide redundant power.

Power Supply Installation

Notes:

- Power off the unit before removing the power supply.
- Exercise caution when handling power supplies, they may hold a residual charge from the unit following removal.
- The N785-CH75W-AC power supply preinstalled with the chassis comes with one fuse glass tube installed and a second spare fuse stored in a slot next to the installed one. A third spare fuse is included in each of the N785-CH12 and N785-CH75W-AC packaging cartons.

1. Unscrew the two screws on the top and bottom of the power supply slot and remove the power supply cover.
2. Using the handle, gently insert the power supply into the slot.



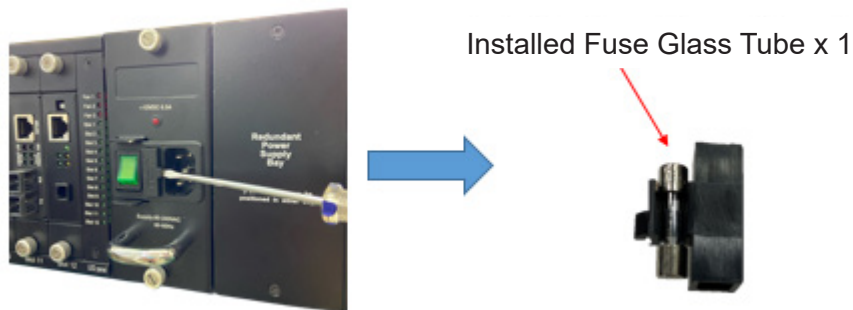
3. Fasten the screws to the chassis.
4. **Optional:** If adding a redundant power supply, unscrew the screws on the second power supply slot and repeat steps 2-3.



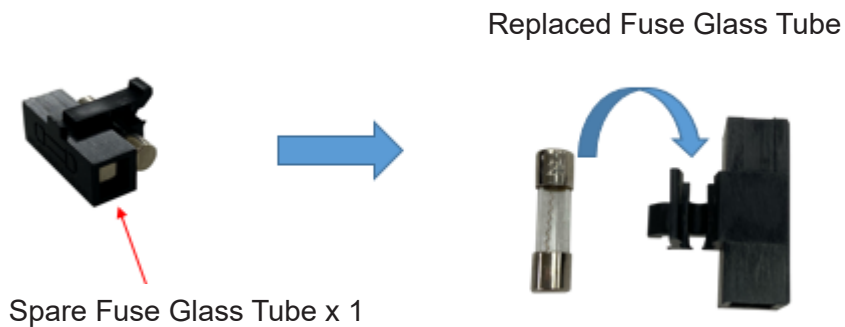
Replacing a Fuse

The N785-CH75W-AC power supply requires a fuse glass tube to function. One fuse is preinstalled in the power supply. One spare fuse is included in the slot next to the active fuse, and a third fuse is included in the unit packaging. If the power supply stops functioning due to a blown fuse, the following steps can be taken to replace it:

1. Using a flathead screwdriver, open the fuse located in between the power plug and the power switch.



2. Remove the fuse and replace with one of the spare fuses.



3. Insert the fuse back into the slot.

Specifications

Model	N785-CH12	N785-CH75W-AC	N785-CH75W-DC
Media Converter Capacity	12	N/A	N/A
Media Converter Compatibility	N784-H01-SCMM N784-H01-STMM N784-H01-SCSM N785-H01-SCMM N785-H01-SCSM N785-H01-SFP	N/A	N/A
Rack Compatibility	19-in. 3U	N/A	N/A
Cooling	Rear-mount fans (x3)	N/A	N/A
Power Load Sharing	Yes	Yes	Yes
Power Supply Hot Swapping	Yes	Yes	Yes
Dimensions [H x W x D]	5.24" x 19.06" x 12.28" (13.3 x 48.4 x 31.2 cm)	5.24" x 2.32" x 9.06" (13.3 x 5.9 x 23 cm)	5.24" x 2.32" x 9.06" (13.3 x 5.9 x 23 cm)
Operating Temperature Range	N/A (Based on power supply)	32°F to 122° F (0°C to 50°C)	32°F to 122°F (0°C to 50°C)
Storage Temperature Range	N/A (Based on power supply)	-4°F to 185°F (-20°C to 85°C)	14°F to 158°F (-10°C to 70°C)
Operating Humidity Range	N/A (Based on power supply)	20% to 90%	10% to 90%
Storage Humidity Range	N/A (Based on power supply)	20% to 90%	5% to 95%
LED Indicators	Power (x1) = Red (Power is on) Fans (x3) = Red (Fans are working correctly) Media Converter Slots (x12) = Green (Media converter in use)	Power (x1) = Red (Power supply is on and delivering power), ON/OFF Switch (x1) = Amber (Power switch will illuminate when in the "ON" position)	Power (x1) = Red (Power supply is on and delivering power)

Warranty & Product Registration

1-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 one (1) year 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 tripplite.com/warranty today to register 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.

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. Photos and illustrations may differ slightly from actual products.



1111 W. 35th Street, Chicago, IL 60609 USA • tripplite.com/support