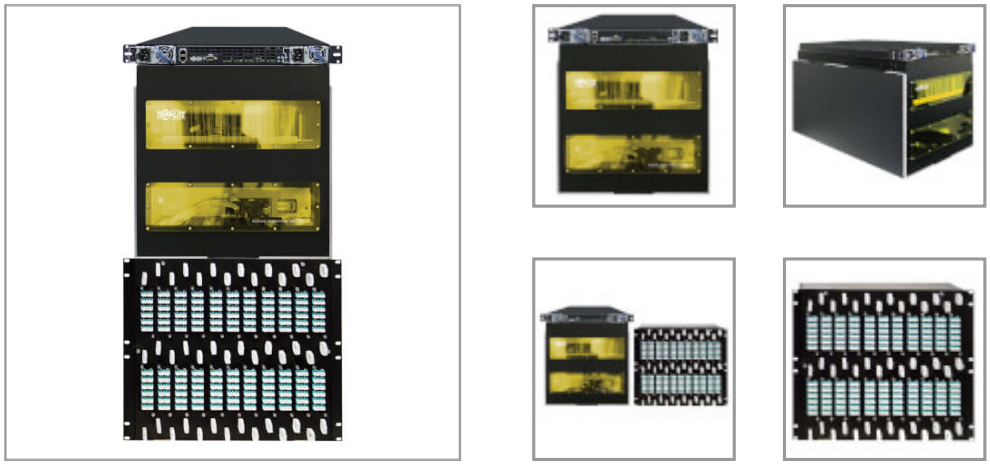
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The NRFP-500SM-CP requires the following accessories: NRFP-LCU-1 and NRFP-BRKT

Robotic Fiber Panel System - 512 Singlemode LC Fiber Ports

MODEL NUMBER: **NRFP-500SM-CP**



Employs robotic latching and remote management to optimally set fiber connections between network equipment in your data center.

Features

Automates Switching to Optimize Fiber Networks The NRFP-500SM-CP Robotic Fiber Panel System (RFPS) is a rack-mounted cross-connect that integrates into data centers, telco centers, colocation facilities, enterprise IT infrastructure and large technology test labs. It employs robotic latching and remote management to establish physical singlemode fiber connections between switches and servers quickly and accurately without costly on-site manual intervention. Through the cutting-edge RFPS, your data center can create accurate layer 1 connections, faster responses to costly downtime, and simpler, more flexible fiber networks. NOTE: For multimode fiber applications, see the Tripp Lite NRFP-500MM-CP.
Does in 50 Seconds What Often Takes Days The RFPS can typically re-configure a connection in 50 seconds, as opposed to the hours or even days it often takes for on-site network engineering to arrive. Two robotic arms move cables into place with speed and precision. RFPS automation and network-integrated software will ensure the right cables are connected to the right ports. No longer will you have to wait for network engineers to handle your physical fiber connections manually.
Makes Simple and Effective Fiber Network Management PossibleRFPS speed and automation makes the newer “any-to-all port” mesh designs in data centers more manageable. Designs like these incorporate more fiber cabling, and are increasingly in use as the demand for more data and faster delivery grows. The NRFP-500SM-CP provides 512 ports out of the box and can be configured to support nearly 500,000 ports with less than 1 dB insertion loss. RFPS connections are passive and purely optical and unaffected by power outages.
Enhances Security The more hands-on switching that occurs, the more your infrastructure is at risk of error or physical damage. Manual fiber connections will damage equipment over time. The RFPS latch creates connections with robotic precision that will add longevity to your infrastructure. In addition, limiting on-site management and employing software that logs an audit trail of network connections boosts security and regulatory compliance.
Increases Efficiency Maximize your infrastructure’s value by performing regular reconfiguration of under-utilized or over-utilized connections. Greater efficiency means less unused cabling cluttering your environment. It also increases the efficiency of your infrastructure, meaning less capital expenses for equipment and less operating expenses to power and manage it. The RFPS supports all current and future optical signals, regardless of bitrate or wavelength.
Gives You Extra Flexibility Any organization that provides large-scale data services can take advantage of the flexibility the RFPS incorporates into their infrastructure. The NRFP-500SM-CP can be configured to accommodate almost 500,000 ports, all optical signals and all network protocols. This helps you adapt to new technologies without equipment overhauls. You can plan automated network management tasks based on what fits your business needs, rather than what fits on-site engineering schedules.
Saves You Money Flexibility translates into cost savings as well. A more efficient infrastructure has less

Highlights

- Uses robotic latching and remote management software to re-configure fiber connections in <1 min.
- Recommended for data centers, telco centers, colocation facilities and tech test labs
- Helps prevent costly downtime and reduce data center congestion and cord clutter
- 512 ports can be configured to support nearly 500,000 ports with <1 dB insertion loss
- Mounts into 10U of space in EIA-standard 19 in. rack enclosure cabinets

Applications

- Data centers
- Colocation facilities
- Telecommunications networks
- Enterprise IT infrastructure
- Large technology test labs

System Requirements

- Tripp Lite NRFP-LCU-1 and NRFP-BRKT accessories are required for controlling and rack-mounting, respectively, the NRFP-500SM-CP

Package Includes

- Robotic fiber panel chassis
- Fiber patch panel

under-utilized equipment, which means less equipment to purchase, power and maintain.

Specifications

OVERVIEW	
UPC Code	037332236975
Technology	Singlemode
ISOLATION	
Insertion Loss	1 dB max and 0.5 dB typical
PHYSICAL	
Color	Black
Rack Height	10U
Snagless Connector	No
Unit Dimensions (hwd / in.)	17.4 x 17.5 x 31
Unit Weight (kg)	95.71
Unit Weight (lbs.)	211
ENVIRONMENTAL	
Operating Temperature Range	0 degrees C to 40 degrees C (32 degrees F to 104 degrees F)
Storage Temperature Range	-40 degrees C to 70 degrees C (-40 degrees F to 158 degrees F)
Relative Humidity	5% to 95%
CONNECTIONS	
Side A - Connector 1	LC DUPLEX (FEMALE)
Side B - Connector 1	LC DUPLEX (FEMALE)
STANDARDS & COMPLIANCE	
Certifications	CE Declaration of Conformity (Europe), FCC/ICES-003 Class A Verification Report (USA / Canada), RoHS Compliant, Reach Compliant, In Process of Conflict Minerals Certification, ANSI/UL 60950-1 / CSA 60950-1 (USA / Canada), EN60950-1 (Europe), IEC60950-1 (International), CB Certificate & Report Including All Group and Country Deviations, Low Voltage Directive 2006/95/CE (Europe), FCC /ICES-003 - Emissions (USA / Canada), CISPR 22/32 - Emissions (International), EN55022/32 - Emissions (Europe), EN55024 - Immunity (Europe), EN 300 386 - Emissions & Immunity (Europe), EN61000-3-2 - Harmonics (Europe), EN61000-3-3 - Voltage Flicker (Europe), EMC Directive 2004/108/EC (Europe)
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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