



Powering and Connecting Your World

NEW PRODUCT ANNOUNCEMENT

Mini Robotic Fiber Panel Systems

Optimize Fiber Networks with Remote, Automated Switching



The 7U NRFP204MM-MINI integrates into smaller fiber networks than the larger 10U models do.

Perfect for:

Containerized data centers, edge computing and remote computing sites, and larger installations with limited fiber connections.

Tripp Lite's Mini Robotic Fiber Panel Systems are rack-mounted patch panels that use remote control and automated robotic latching to optimize fiber network management. The NRFP-204SM-MINI singlemode fiber model and the NRFP-204MM-MINI multimode fiber model make and break up to 102 layer 1 physical fiber connections between switches and servers with precision and speed.

By saving time and reducing connection error, Mini Robotic Fiber Panel Systems provide a skillful response to downtime – typically reconfiguring connections in 15 seconds as opposed to the hours or days manual engineering may require. Their software interface allows IT managers to remotely schedule automated tasks for managing under-utilized and over-utilized connections, helping create a fiber network that is more efficient, convenient and cost-effective.

Key Benefits

EFFICIENCY

- Regular reconfiguration of under-utilized or over-utilized connections maximizes infrastructure value
- Higher rate of equipment usage = less cable clutter

COMPACT SIZE

- 7U rack-mount unit conveniently fits in small edge network installations and installations with limited numbers of fiber connections

FLEXIBILITY

- Automated system lets managers plan network tasks based on what fits business needs, rather than what fits on-site engineering schedules
- Software interface provides remote control from nearly anywhere

ROBOTIC PRECISION

- Latching technology creates connections with robotic precision to eliminate placement errors and the damage that occurs over time with human connections
- 15-second switching time improves connection speed vs. the hours or days often needed for on-site support

ADAPTABILITY

- 204 ports out of the box scale up to nearly 500,000 ports – ideal for meeting BWoD (Bandwidth on Demand) needs
- Future-proof platform technology is configurable for all optical signals and all network protocols
- Passive, purely optical signals are unaffected by power outages

LOWER CAPEX AND OPEX

- Increased infrastructure efficiency reduces the need to purchase new equipment and lowers the operating expenses to power and manage it

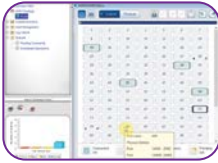
SECURITY AND COMPLIANCE

- Audit trail of network connections boosts regulatory compliance
- Remote management improves security and reduces potential in-person health risks

Feature Focus

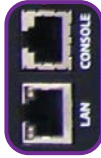
A Logical Control Unit (LCU)

Powers and controls a Mini Robotic Fiber Panel System via included custom management software.



B LCU Communication Ports

Console and LAN connection ports allow remote control from anywhere.

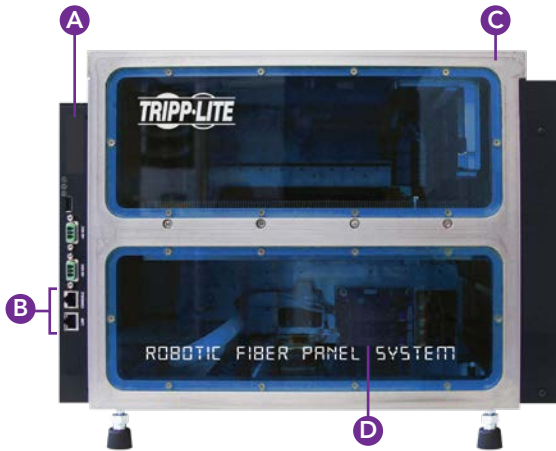


C Main Chassis

Unibody chassis securely houses robotic fiber-optic technology.

D Robotic Latch

Patented mechanical latch makes precise fiber connections and disconnections.



Model: NRFP204MM-MINI (Front)

E Patch Panel

204-port LC UPC duplex patch panel makes up to 102 layer 1 fiber connections.



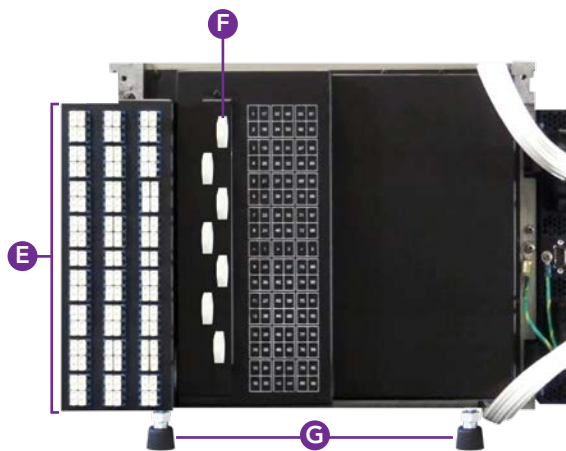
F Cable Managers

Up to 8 removable cable managers reduce clutter.



G Support Legs

Detachable support legs offer non-rack installation option.



Model: NRFP204MM-MINI (Back)

Not Shown:

Chassis Suspension System

Sliding rail kit for mounting a Mini Robotic Fiber Panel System chassis in a 4-post rack (Model: NRFP-BRKT, sold separately).



SPECIFICATIONS

Model	NRFP-204SM-MINI	NRFP-204MM-MINI
Fiber Type	Singlemode SMF-28e	Multimode OM4
Fiber	204 Simplex, 102 Duplex	
Insertion Loss	1.0 dB Max (0.5 dB typical) patch panel to patch panel	
Return Loss	Singlemode -50 dB	Multimode -25 dB
Switching Time	15 sec (typical)	
Power Supply	DC+DC	
LCU Power Input	-48 VDC; BA	
Power Consumption	50W standby; 150W peak	
Temperature Range (operating)	0 °C to 40 °C (32 °F to 104 °F)	
Temperature Range (storage)	-40 °C to 70 °C (-40 °F to 158 °F)	
Humidity (non-condensing)	5% to 95%	
Dimensions (HWD)	12.25 in. x 19 in. x 20 in.	
Mounting Depth	20 in.	
Weight	80 lb.	
Ethernet	RJ45	
Console	RJ45 & DB9	
Certifications	ANSI/UL 60950-1 / CSA 60950-1 (USA / Canada), EN60950-1 (Europe), IEC60950-1 (International), CE Declaration of Conformity (Europe), FCC/ICES-003 Class A Verification Report (USA / Canada), RoHS Compliant, Reach Compliant	



Learn more about Tripp Lite's Robotic Fiber Panel Systems at triplite.com.



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