

144 Port NEMA 4X Outdoor Distribution Panel

Fiber Distribution Panels for Harsh Environments

OptoSpan's Select NP-144 Outdoor Waterproof Patch Panels provide a secure housing for fiber optic connectors and cables and is engineered to withstand exposure to severe environmental conditions, making it a crucial component for a variety of industrial and telecommunications applications. This NEMA 4X patch panel has two sections for incoming and outgoing fiber optic cables. It can be pre-configured with up to two (12) MTP-LC cassettes, up-to 144 pass-through LC, SC, ST or FC adapters, or 144 fiber splicing capacity.

Lockable gasketed doors and stainless steel hardware are features of these enclosures. This waterproof patch panel includes cable management accessories such as cable ties, rack mounting screws, and a grid label sticker to support and organize cables, thereby reducing the risk of damage or tangling.

Optional splice trays, pigtails, outdoor fiber optic cables with cable glands, and a pole mounting kit are available for this panel.



Key Features and Benefits:

NEMA 4X and IP68 Rating	Waterproof and corrosion resistant - ready for outdoor installations
Splice and Termination Enclosure	Cable termination or splicing flexibility in a single panel
Modular Design for up to 12 Cassettes, Adapter Panels or Splice Trays	Provides a flexible, modular solution for a variety of pre-terminated cables in a compact form factor
Compatible with full line of OptoSpan HD Series Cassettes and Adapter Panels	Option to select modules from the OptoSpan HD Series, including 12 MTP-LC cassettes, 12 pass-through LC, SC, ST, or FC adapter panels, or 6 Splice Trays
Compatible with OptoSpan IP68 Series Armored and Non-Armored Cables	Simple to integrate this panel with outdoor rated (IP68) waterproof cables, enabling reliable networks even in the harshest conditions
Compatible with OptoSpan IP68 rated Cable Glands	Provides a means for cable ingress/egress and stress relief while preserving the NEMA 4X rating
Flexible Mounting Options	Wall or Pole Mounted (with Optional pole mount kit)
11 Gauge Aluminum Body with Beige Polyester Powder Coat	Able to withstand exposure to moisture, rain, snow, and extreme temperature variations
20 Gauge Aluminum Splice Trays	Pre-installed splice chip that is rugged and ready for fusion, mechanical, or ribbon splicing
Tight Seal with Gaskets	Prevent water, dust, and other contaminants from entering



Splice Trays



Cable Glands



Dedicated Compartments and Trays	Designed to safeguard delicate fiber splices as well as separate entry and exit cables
Spacious Interior Sections	Makes field access and installations easier
Rugged Construction and Locking Mechanism	Enhance Physical Security
Rubber Entrance Ports	Easily open and close cable entry ports to install cable glands for strain relief and waterproofing
Included Cable Management Accessories	Facilitate identification and maintenance of cables and connectors
Turn-key Pre Installed Option	Panels can be delivered pre-installed with MTP-LC cassettes, adapter panels, pigtails, or cable glands to save time in the field.
Made in USA	Made in the USA from the finest components to ensure years of dependable use



Dimensions:	22"L x 17.1"W x 7.1"D (20lbs)
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Cable Entry Ports:	(4) 1 5/8" Diameter Bottom Access
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Maximum Capacity:	
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MTP-LC Cassettes:	Qty. 12 (12F) High Density MTP-LC Cassettes
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Termination (Pass-through):	Qty. 12 (12F) High Density Series Adapter Panels. MPO, LC SC, ST, FC pass through options available.
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Splicing:	Qty. 12 (12F) High Density Series LC, SC, ST or FC Adapter Panels with Pigtailed and Qty. 6 24F Splice Trays
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<i>OptoSpan NP Series Panel Specifications and Max Capacity</i>									<i>Outdoor Fiber Cable Compatibility with NP Series Panels</i>			
Model	# Slots	Max. Fibers	# HD Series Cassettes	# HD Series Adapter Panels	# Splice Trays	# Entry Ports	Entry Port Size	Cable Glands for Entry Ports	SteelFlex-IP68	SteelMax-IP68	SteelPatch-IP68	TPU-IP68
	Incl.	Incl.	Opt.	Opt.	Opt.	Incl.	Incl.	Opt.	Opt.	Opt.	Opt.	Opt.
NP-24	2	48	2	2	2	4	7/8"	✓	✓	✓	✓	✓
NP-96	8	192	8	8	4	4	1 5/8"	✓	✓	✓	✓	✓
NP-144	12	288	12	12	6	4	1 5/8"	✓	✓	✓	✓	✓
NP-288	24	576	24	24	12	7	1 5/8"	✓	✓	✓	✓	✓

<i>Compatible OptoSpan Cables and Accessories</i>				
Outdoor IP68 Series Waterproof Cables	MTP/MPO Trunks & Harnesses	12F – 144F Breakout Cables	High Density Series MTP-LC Cassettes	High Density Series MPO, LC, SC, ST, FC Adapter Panels
				

