ATEX/Ex d Rated Enclosures
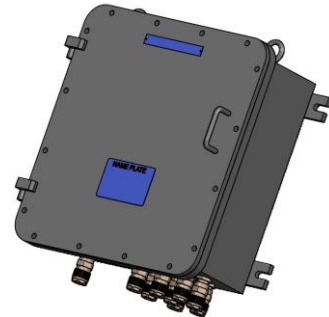# Wall Mount Fiber Patch Panel

12~144 FIBER CAPACITY
Zone 1, Zone 2 Certified

Description

The XTND Wall Mount Patch Panels are Ex d Rated enclosures specifically engineered for hazardous environments where safety and performance are paramount. Modular configuration supports from 12 up to 144 ports.

The enclosure designed for harsh and hazardous environments. Suitable for termination and distribution of fiber optic cables in Zone 1, Zone 2, and other classified locations where explosive atmospheres may be present. Patch panels come pre-loaded with your choice of adapters.

It is constructed from high-quality stainless steel (SS304 or SS316), this enclosure features a removable adapter panel and cover, providing convenient access to fiber optic terminations. Customized number of cable glands and sizes allow for multiple cable entry points, simplifying installation while maintaining environmental integrity. The unit comes complete with integrated cable management hardware to ensure organized and secure fiber routing.

Front view of Atex rated wall mounted patch panel
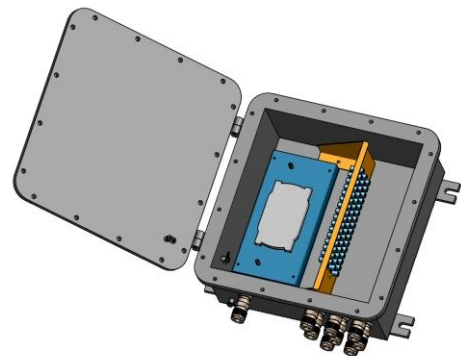
Inside view of Atex rated wall mounted patch panel

| Standard Features	
Built to comply with stringent ATEX and IECEx standards, ensuring safe operation in Zone 1 and Zone 2 hazardous locations.	Available in SS304 for standard environments or SS316 for highly corrosive, offshore, and marine settings.
Holds up to 144 fibers depending on connector type	IP66/67 ingress protection ideal for harsh industrial settings
Suitable for indoor and outdoor applications	SC, LC, ST, FC, APC, and MTRJ style adapters
Operating Temperature : -50°C to +70°C	Vibration Resistance: IEC 60068 compliant
Shock Protection: EN/IEC 60079-1 compliant flameproof design	ATEX-rated SS316 cable glands, multiple splice trays, and internal management hardware tailored to project needs.
Space-efficient and easy to install in confined or critical locations	Multiple cable gland entries possible (M20, M25, M32 sizes)

Accessories

The XTND fiber patch panels come complete with all the accessories needed for a professional installation. The units come preloaded with adaptors and storage spools. Inside packaged together is a set of cable ties, anchors and mounting hardware. The distribution unit can be ordered with jumpers pre-installed upon request. Contact your XTND representative for more information.

Wall Mounting

Choose a suitable indoor or outdoor location, with room for the fiber routing and easy access to the interior. For wall mount installations, supplemental hardware is provided on request to fasten enclosures. Pre-position the unit on the wall to plan out fiber cable routings and check for any potential problems with the location. Once the position is checked, fasten the unit with the included mount hardware.

Installing Fiber Cables

Guidelines for handling terminated fiber cable
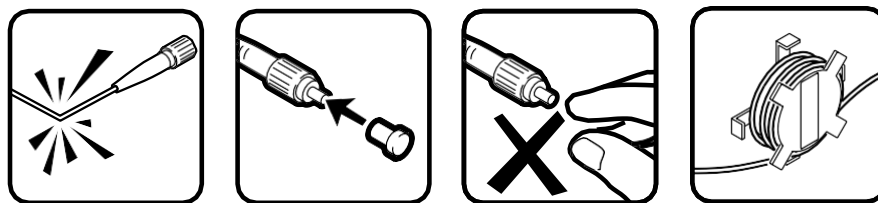
- Do not bend fiber cable sharply. Use gradual and smooth bends to avoid damaging glass fiber.
- Keep dust caps on fiber optic connectors at all times when disconnected.
- Do not remove dust caps from unused fiber.
- Keep fiber ends and fiber connectors clean and free from dust, dirt and debris. Contamination will cause signal loss.
- Do not touch fiber ends.
- Store excess fiber on housing spools or fiber spools at site

Route the fiber cables through the cable glands in the bottom of the enclosure. Make sure to leave room for the service loop out the bottom once the door is sealed. Wrap excess fiber loosely around the fiber spools avoiding sharp bends.

Dimensions & Components

The dimensional diagram below calls out important features of the Patch Panel.

72 Port Patch Panel Dimension
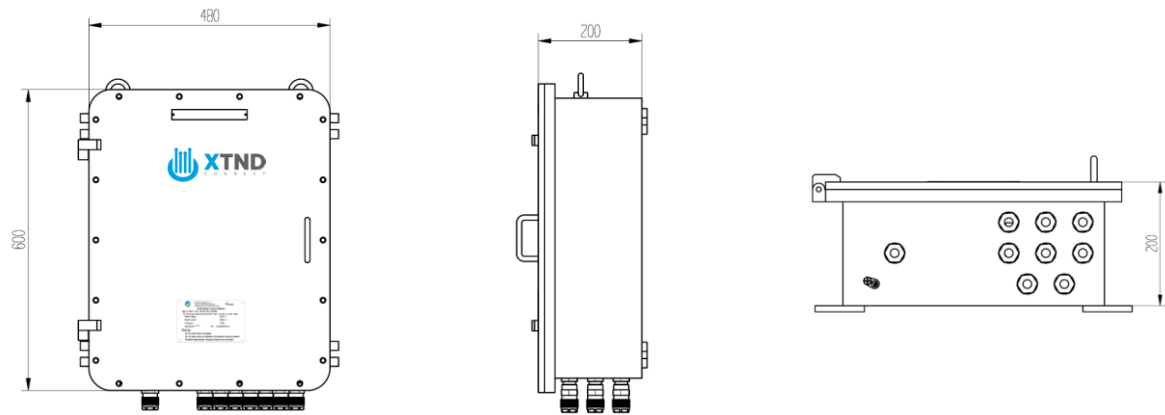
48 Port Patch Panel Dimension
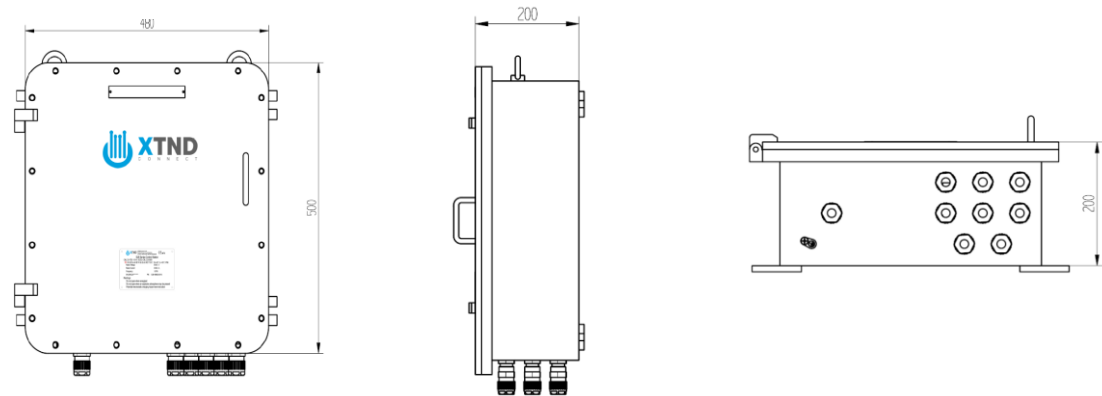
Installation

Choose a suitable location, with room for the door to open fully for easy access to the interior. Pre-position the patch panel to plan out cable routings and check for any potential problems with the location. The patch panel may be mounted in any orientation making it a flexible solution in the field.

Ordering Information

Adapter	Mode	Type	Connector Count	Fibers	Part Number
SC	Single-mode	Duplex	12	24	XTND-FPX-SCS2DX-12
SC	Single-mode	Duplex	24	48	XTND-FPX-SCS2DX-24
SC	Single-mode	Duplex	48	96	XTND-FPX-SCS2DX-48
SC	Single-mode	Duplex	72	144	XTND-FPX-SCS2DX-72
SC	Single-mode	Simplex	24	24	XTND-FPX-SCS2SX-24
SC	Single-mode	Simplex	48	48	XTND-FPX-SCS2SX-48
SC	Single-mode	Simplex	72	72	XTND-FPX-SCS2SX-72
SC	Single-mode	Simplex	96	96	XTND-FPX-SCS2SX-96
LC	Single-mode	Duplex	12	24	XTND-FPX-LCS2DX-12
LC	Single-mode	Duplex	24	48	XTND-FPX-LCS2DX-24
LC	Single-mode	Duplex	48	96	XTND-FPX-LCS2DX-48
LC	Single-mode	Duplex	72	144	XTND-FPX-LCS2DX-72
SC/APC	Single-mode	Duplex	12	24	XTND-FPX-SAS2DX-12
SC/APC	Single-mode	Duplex	24	48	XTND-FPX-SAS2DX-24
SC/APC	Single-mode	Duplex	48	96	XTND-FPX-SAS2DX-48
SC/APC	Single-mode	Duplex	72	144	XTND-FPX-SAS2DX-72
SC/APC	Single-mode	Simplex	24	24	XTND-FPX-SAS2SX-24
SC/APC	Single-mode	Simplex	48	48	XTND-FPX-SAS2SX-48
SC/APC	Single-mode	Simplex	72	72	XTND-FPX-SAS2SX-72
SC/APC	Single-mode	Simplex	96	96	XTND-FPX-SAS2SX-96
LC/APC	Single-mode	Duplex	12	24	XTND-FPX-LAS2DX-12
LC/APC	Single-mode	Duplex	24	48	XTND-FPX-LAS2DX-24
LC/APC	Single-mode	Duplex	48	96	XTND-FPX-LAS2DX-48
LC/APC	Single-mode	Duplex	72	144	XTND-FPX-LAS2DX-72
SC	OM1 Multimode	Simplex	24	24	XTND-FPX-SCM1SX-24
SC	OM2 Multimode	Simplex	24	24	XTND-FPX-SCM2SX-24
SC	OM3 Multimode	Simplex	24	24	XTND-FPX-SCM3SX-24
SC	OM4 Multimode	Simplex	24	24	XTND-FPX-SCM4SX-24
SC	OM1 Multimode	Simplex	48	48	XTND-FPX-SCM1SX-48
SC	OM2 Multimode	Simplex	48	48	XTND-FPX-SCM2SX-48
SC	OM3 Multimode	Simplex	48	48	XTND-FPX-SCM3SX-48
SC	OM4 Multimode	Simplex	48	48	XTND-FPX-SCM4SX-48
SC	OM1 Multimode	Simplex	96	96	XTND-FPX-SCM1SX-96
SC	OM2 Multimode	Simplex	96	96	XTND-FPX-SCM2SX-96
SC	OM3 Multimode	Simplex	96	96	XTND-FPX-SCM3SX-96
SC	OM4 Multimode	Simplex	96	96	XTND-FPX-SCM4SX-96

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Ordering Information

Adapter	Mode	Type	Connector Count	Fibers	Part Number
SC	OM1 Multimode	Duplex	12	24	XTND-FPX-SCM1DX-12
SC	OM2 Multimode	Duplex	12	24	XTND-FPX-SCM2DX-12
SC	OM3 Multimode	Duplex	12	24	XTND-FPX-SCM3DX-12
SC	OM4 Multimode	Duplex	12	24	XTND-FPX-SCM4DX-12
SC	OM1 Multimode	Duplex	24	48	XTND-FPX-SCM1DX-24
SC	OM2 Multimode	Duplex	24	48	XTND-FPX-SCM2DX-24
SC	OM3 Multimode	Duplex	24	48	XTND-FPX-SCM3DX-24
SC	OM4 Multimode	Duplex	24	48	XTND-FPX-SCM4DX-24
SC	OM1 Multimode	Duplex	48	96	XTND-FPX-SCM1DX-48
SC	OM2 Multimode	Duplex	48	96	XTND-FPX-SCM2DX-48
SC	OM3 Multimode	Duplex	48	96	XTND-FPX-SCM3DX-48
SC	OM4 Multimode	Duplex	48	96	XTND-FPX-SCM4DX-48
SC	OM1 Multimode	Duplex	72	144	XTND-FPX-SCM1DX-72
SC	OM2 Multimode	Duplex	72	144	XTND-FPX-SCM2DX-72
SC	OM3 Multimode	Duplex	72	144	XTND-FPX-SCM3DX-72
SC	OM4 Multimode	Duplex	72	144	XTND-FPX-SCM4DX-72
LC	OM1 Multimode	Duplex	12	24	XTND-FPX-LCM1DX-12
LC	OM2 Multimode	Duplex	12	24	XTND-FPX-LCM2DX-12
LC	OM3 Multimode	Duplex	12	24	XTND-FPX-LCM3DX-12
LC	OM4 Multimode	Duplex	12	24	XTND-FPX-LCM4DX-12
LC	OM1 Multimode	Duplex	24	48	XTND-FPX-LCM1DX-24
LC	OM2 Multimode	Duplex	24	48	XTND-FPX-LCM2DX-24
LC	OM3 Multimode	Duplex	24	48	XTND-FPX-LCM3DX-24
LC	OM4 Multimode	Duplex	24	48	XTND-FPX-LCM4DX-24
LC	OM1 Multimode	Duplex	48	96	XTND-FPX-LCM1DX-48
LC	OM2 Multimode	Duplex	48	96	XTND-FPX-LCM2DX-48
LC	OM3 Multimode	Duplex	48	96	XTND-FPX-LCM3DX-48
LC	OM4 Multimode	Duplex	48	96	XTND-FPX-LCM4DX-48
LC	OM1 Multimode	Duplex	72	144	XTND-FPX-LCM1DX-72
LC	OM2 Multimode	Duplex	72	144	XTND-FPX-LCM2DX-72
LC	OM3 Multimode	Duplex	72	144	XTND-FPX-LCM3DX-72
LC	OM4 Multimode	Duplex	72	144	XTND-FPX-LCM4DX-72
ST	Single-mode	Simplex	24	24	XTND-FPX-STS2SX-24
ST	Single-mode	Simplex	48	48	XTND-FPX-STS2SX-48
ST	Single-mode	Simplex	72	72	XTND-FPX-STS2SX-72
ST	Multimode	Simplex	24	24	XTND-FPX-STMMSX-24
ST	Multimode	Simplex	48	48	XTND-FPX-STMMSX-48
ST	Multimode	Simplex	72	72	XTND-FPX-STMMSX-72

Specifications

Enclosure Material	Marine grade 304L and 316L stainless steel (standard)	
Cable Entry Points	ATEX/IECEx certified glands for fiber optic cables	
Adapters	ST-ST	Simplex
	SC-SC	Simplex, Duplex
	SC-APC	Simplex, Duplex
	LC-APC	Duplex
	LC-LC	Duplex
	MTRJ-MTRJ	Duplex
	FC-APC	Simplex
Mounting Style	Wall mount	
Environmental	Outdoor / Indoor type hi-density design	
Construction	Powder coated stainless welded steel with hinged doors	
	Hi-Density adaptor plate is removable for easy access to the fiber	
	Includes fiber management spools, ATEX rated cable glands, fiber cable mounting hardware, splice trays (12 or 24 fiber capacity)	
Dimensions	Dimensions for 24 / 48 Wall Mount Patch Panel H 19.6in. x W 18.9in. x D 7.8in. (500mm x 480mm x 200mm)	
	Dimensions for 72 / 96 Wall Mount Patch Panel H 23.6in. x W 18.9in. x D 7.8in. (600mm x 480mm x 200mm)	
	Dimensions for 144 Wall Mount Patch Panel H 27.5in. x W 18.9in. x D 9.8in. (700mm x 480mm x 250mm)	

Technical Support

Normal technical support: (Mon - Fri 9am - 6pm GST)	(44) 753 3087650 Toll Free 800-877-1672 Toll Free 800-XTND-FIBER
Email:	support@xtndconnect.com
24/7 technical support: (Outside normal business hours)	Toll Free 1-800-XTND-24X7 Toll Free 1-800-754-2497

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Please contact your XTND sales representative for pricing and delivery information.

Specifications subject to change without notice.