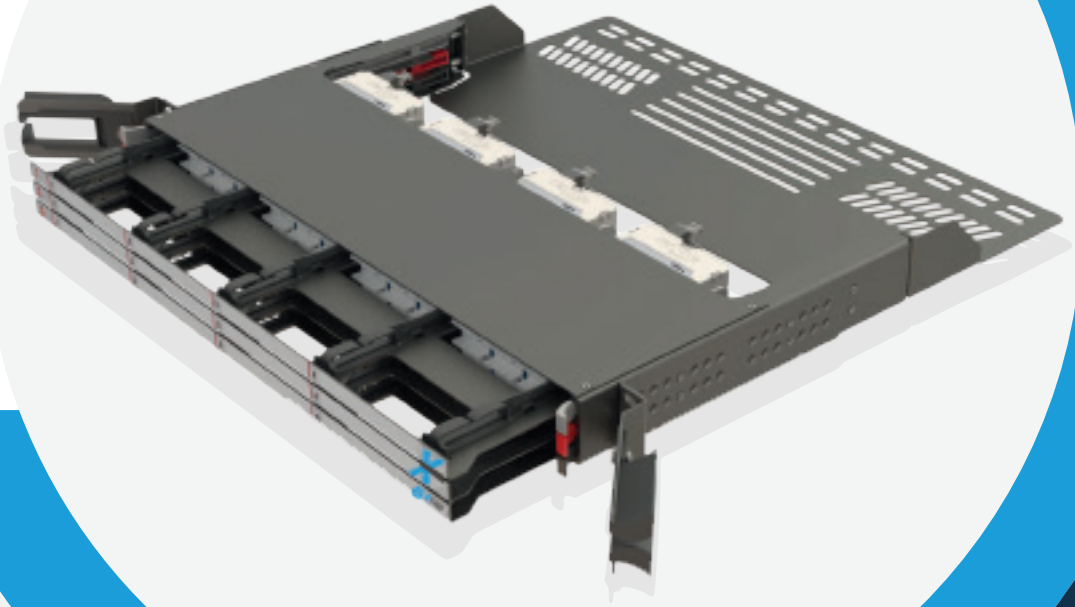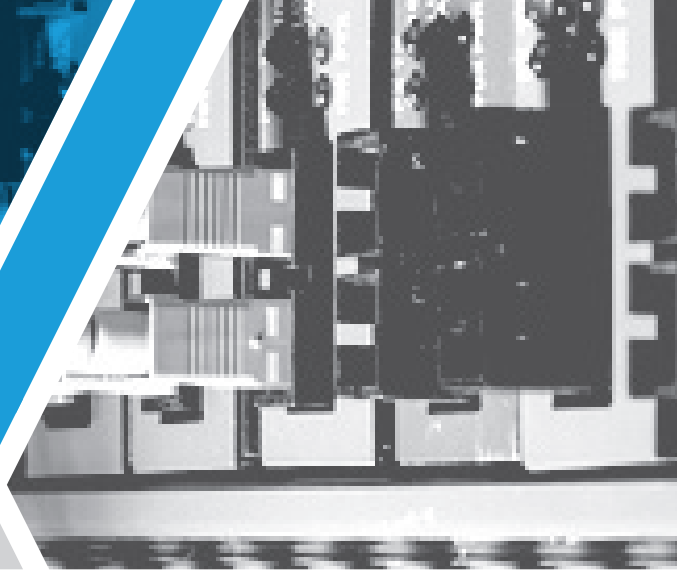# XTND
CONNECT

PATCH PANELS
FIBER NETWORKS

Fiber Optic Solutions

FIBER OPTIC
NETWORKS

ABOUT US

At XTND Connect, we are a leading provider of cutting-edge solutions in the field of fiber optics, networking equipment, IT/telecom racks and cabinets, cable pulling equipment, structured cabling products and accessories, and media converters. With a strong commitment to innovation, quality, and customer satisfaction, we have established ourselves as a trusted partner for businesses seeking reliable and efficient infrastructure solutions.

Our Expertise

Whether you require high-speed fiber optic solutions, robust networking equipment, or reliable cabling products, we have the knowledge and resources to deliver exceptional results.

Quality and Reliability

We conduct rigorous quality checks and tests on all our products to guarantee their durability and reliability in demanding environments

Customer-Centric Approach

Our knowledgeable sales and support teams are always available to assist you in selecting the right products, answering your queries, and offering technical guidance at every step of the way.

Sustainability and Responsibility

Our knowledgeable sales and support teams are always available to assist you in selecting the right products, answering your queries, and offering technical guidance at every step of the way.

XTND CONNECT

Product Overview
XTND Connect Fiber Patch Panels are designed to provide seamless and efficient access to internal components. Engineered with a low-friction telescopic rail system, these patch panels offer a user-friendly solution for managing fiber optic connections in a variety of network environments.
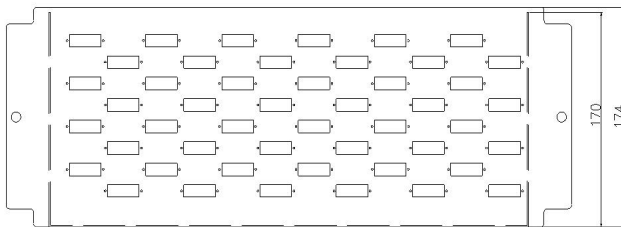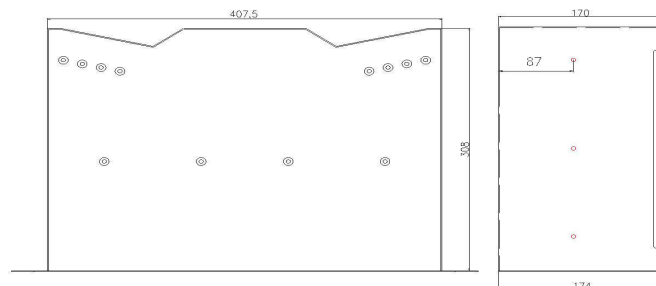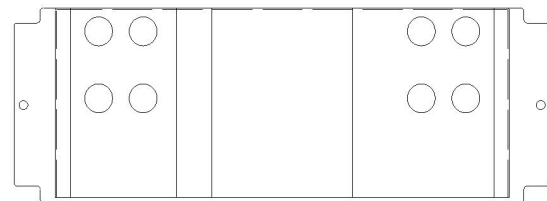

Features

- Easy Access to Internal Components: The inner tray is mounted on a low-friction telescopic rail, allowing smooth and effortless access.
- Secure Tray Locking: The tray can be securely locked in place using a convenient thumb screw, ensuring stability during maintenance and operation.
- Flexible Cable Entry Options
- 1U Patch Panel: Supports entry of up to 1 cables from each side.
- 2U Patch Panel: Accommodates up to 2 cables from each side.
- 4U Patch Panel: Allows for the entry of up to 4 cables from each side.

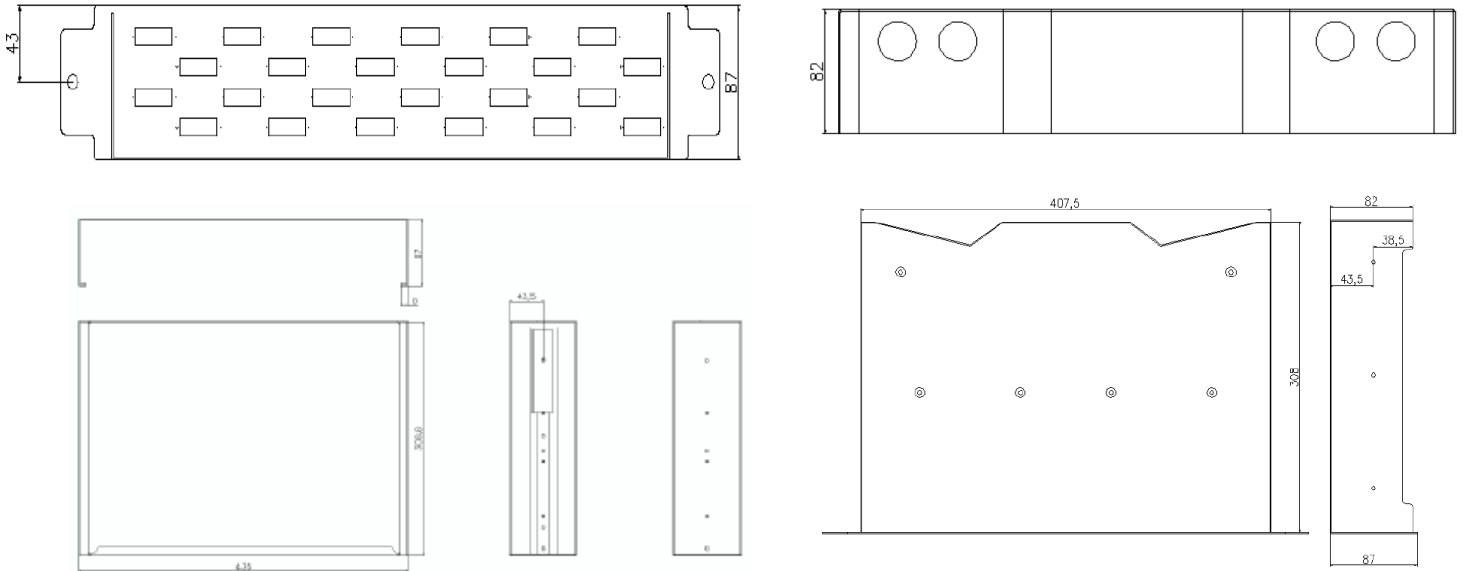## Drawing: 4U Panel- 96 Core

96 Core (48 x Duplex Adapters)	Rear Cable Entry

Drawing : 2U Panel- 48 Core

48 Core (24 x SC Duplex Adapters)

Rear Cable Entry

Specifications

Patch Panel		Adaptor	
Size (HxWxD) mm	1U(H)x19"(W)x310mm(D)	Multimode Insertion Loss	0.2dB Maximum
	2U(H)x19"(W)x310mm(D)		
	4U(H)x19"(W)x310mm(D)		
Material	1.2mm Cold Rolled Steel	Singlemode Insertion Loss	0.2dB Maximum
Material Coating	Powder Coated	Mating durability	>500 mating Cycles
Humidity	0-90%, Non-condensing	Multimode Adaptor Wavelength	850 and 1310nm
Operating Temperature	-10C to 70C	Singlemode Opterating Wavelength	1260-1350nm
Storage Temperature	-40C to 85C		

Order Coding

XTNDFDF1U24FSCDX	19" 1 U 24 Port Panel Fiber Distribution with 12 SC Duplex Adaptors and 24 SC Pigtails
XTNDFDF2U48FSCDX	19" 2 U 48 Port Panel Fiber Distribution with 24 SC Duplex Adaptors and 48 SC Pigtails
XTNDFDF4U96FSCDX	19" 4 U 96 Port Panel Fiber Distribution with 48 SC Duplex Adaptors and 96 SC Pigtails

1U High-Density Fiber Patch Panel

24~96 FIBER CAPACITY
19"/23" EQUIPMENT RACK COMPATIBILITY

Description

The XTND 1RU High-Density Patch Panels are used to house fiber terminations and accommodate patching of Fiber Optic Links.

The Slim, 1RU enclosure can be installed into EIA 19" or 23" equipment racks, and is designed to occupy the minimum amount of rack space while offering a generous capacity up to 96 fibers. Patch panels come pre-loaded with your choice of adapters.

It is constructed of durable powder coated steel with removable front connector panel and cover for easy access to fiber optic cables. Self sealing rubber grommets accommodate multiple cable entrances for ease of installation, and cable management hardware is included.

It is complied with IP68 in accordance with Telcordia International standard

24 Fiber model shown with SC Simplex Adapters

Showing interior components

Standard Features	
19" rack mountable with removable top and front adapter Plate for easy access to interior components	Includes fiber spools for fiber management and rear self-sealing rubber grommets for multiple cable entrances and exits
Holds up to 96 fibers depending on connector type	Durable powder coated, welded steel construction
Mounting hardware included	SC, LC, ST, FC, APC, and MTRJ style adapters

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71-75 Shelton Street | Covent Garden | London | United Kingdom
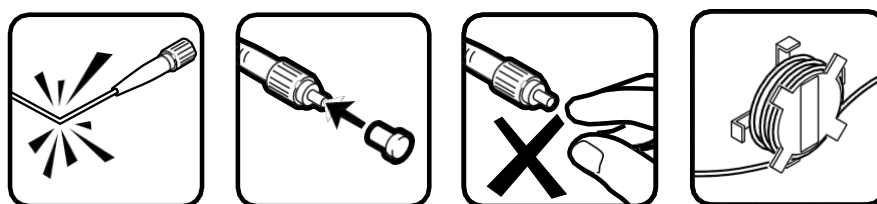
Page 1

Accessories

The XTND Connnect distribution units 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.

Rack Mounting

Choose a suitable 19"/23" equipment rack location, with room for the fiber routing and easy access to the interior. For 23" rack installations, use the included supplemental hardware to fasten the 23" rack adapter plates to the 19" rack ears. Pre-position the unit in the rack to plan out fiber cable routings and check for any potential problems with the location. Once the position is checked, fasten the unit to the equipment rack rails with the included rack mount hardware.

Installing Fiber Cables

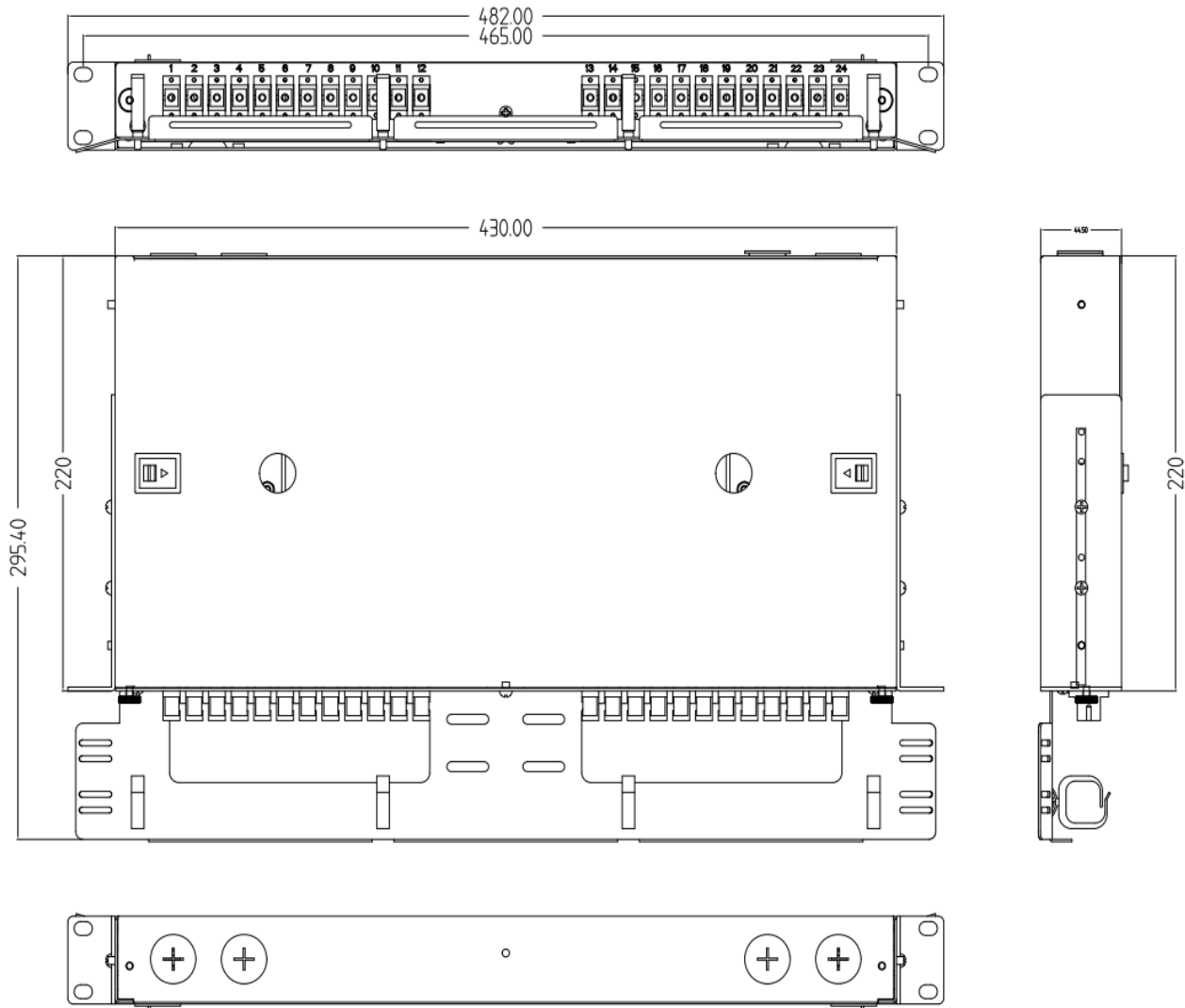### Guidelines for handling terminated fiber cable

- 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 self-sealing grommets in the rear of the housing. Make sure to leave room for the service loop out the back once the tray 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.

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
ST	Single-mode	Simplex	24	24	XTND-01-1
ST	Single-mode	Simplex	48	48	XTND-02-1
ST	Multimode	Simplex	24	24	XTND-03-1
ST	Multimode	Simplex	48	48	XTND-04-1
FC	Single-mode	Simplex	24	24	XTND-05-1
FC	Single-mode	Simplex	48	48	XTND-06-1
FC-APC	Single-mode	Simplex	24	24	XTND-09-1
FC-APC	Single-mode	Simplex	48	48	XTND-10-1
SC	Single-mode	Simplex	24	24	XTND-11-1
SC	Single-mode	Duplex	24	48	XTND-12-1
SC	Multimode	Simplex	24	24	XTND-13-1
SC	Multimode	Duplex	24	48	XTND-14-1
SC-APC	Single-mode	Simplex	24	24	XTND-15-1
SC-APC	Single-mode	Duplex	24	48	XTND-16-1
SC	Multimode 10 GIG	Simplex	24	24	XTND-17-1
SC	Multimode 10 GIG	Duplex	24	48	XTND-18-1
LC	Single-mode	Duplex	24	48	XTND-20-1
LC	Single-mode	Quad	24	96	XTND-21-1
LC	Multimode	Duplex	24	48	XTND-22-1
LC	Multimode	Quad	24	96	XTND-23-1
LC	Multimode 10 GIG	Duplex	24	48	XTND-24-1
LC	Multimode 10 GIG	Quad	24	96	XTND-25-1
LC-APC	Single-mode	Duplex	24	48	XTND-26-1
LC-APC	Single-mode	Quad	24	96	XTND-27-1
MTRJ	Multi/Single-mode	Simplex	24	48	XTND-30-1

Specifications

Hi-Density Adaptor Plate	Simplex	24 to 48 Fibers
	Duplex	24 to 48 Fibers
	Quad	96 Fibers
Connectors	ST-ST	Simplex, Duplex
	SC-SC	Simplex, Duplex
	SC-APC	Simplex
	APC-SC	Simplex, Duplex
	LC-LC	Simplex, Duplex, Quad
	MTRJ-MTRJ	Duplex
	FC-APC	Simplex, Duplex
Mounting Style	Standard EIA 19"/23" rack mount	
Environmental	Indoor type hi-density design	
Construction	Powder coated welded steel	
	Hi-Density adaptor plate and top are removable for easy access to the fiber	
	Includes fiber management spools, self sealing cable grommets, fiber cable mounting hardware, 19"/23" rack adapter ears and rack mounting hardware.	
Dimensions	H 1.75in. x W 17in. x D 8in. (44.5mm x 430mm x 220mm) - Not including rack mount ears and front tray H 1.75in. x W 19in. x D 11in. (44.5mm x 482mm x 294mm) - Including rack mount ears and jumper tray	
	Note: 1U = 1.75 inches	

Technical Support

Normal technical support: (Mon - Fri 9am - 6pm GST)	(744) 586-7830 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

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

Specifications subject to change without notice.

XTND Connect Ltd | Tel:+44 744 586 7830 | Email: sales@xtndconnect.com | www.xtndconnect.com
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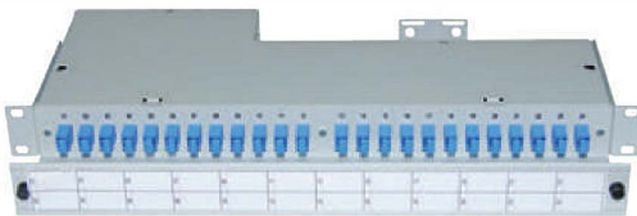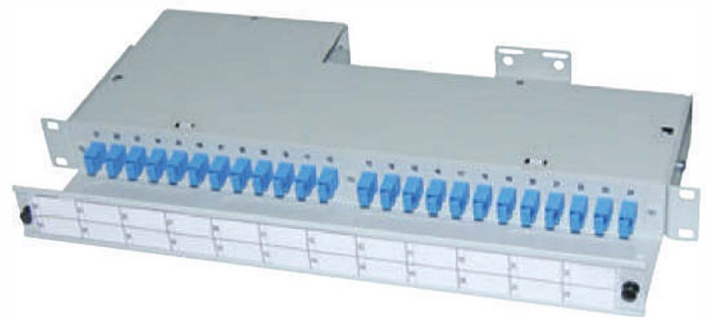
Page 5

FIBER PATCH PANELS

1U/2U 19" & ETSI FIBER OPTIC
PATCH PANEL WITH TELESCOPIC RAILS
XTND-FPP-100

Overview

Provides professional cable management and fiber termination with smooth telescopic pull-out rail system.

Highlights

- 1U and 2U versions (12,24, 36 and 48 port capacity)
- Smooth and convenient mechanical sliding system
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Easy to maintain and extend
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control of 35 mm
- Capacity of up to 48 ports
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible
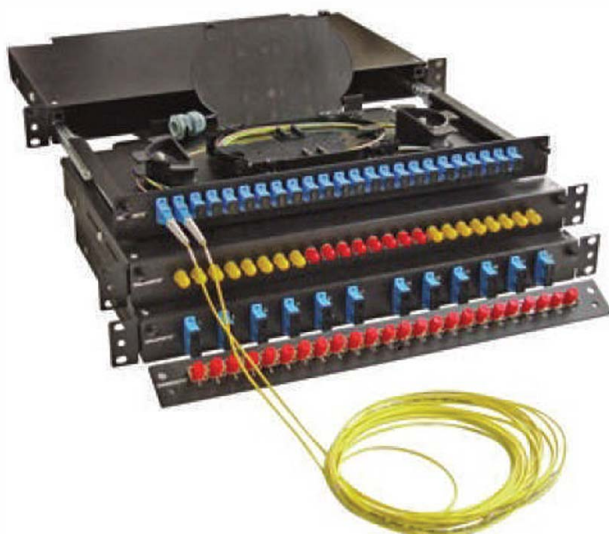

Technical Details

Dimensions	(19") 465 mm (W) x 238 mm (D) x 1U (H)
Material	Mild Steel
Color	Powder coat RAL7035 or RAL9005
Weight	4 kg
Maximum Port Capacity	48 Ports

Applications

FTTX applications, Data center and LAN & WAN projects.

Various Adapter Types

1U/2U 19" & ETSI ANGLED
PATCH PANELS WITH TELESCOPIC RAILS
XTND-FPP-200

Overview

Ensures professional cable management and limits the risk of health problems due to laser contact to eyes. Side facing fiber position for high laser safety.

Highlights

- 1U and 2U versions (12, 24, 36, and 48 port capacity)
- Confirms 19" or ETSI
- Professional and advanced cable management with 45 degree adaptor interface
- Laser safety: Angled adaptor interface protects your eyes from undesired contact with laser beam coming from the adaptors.
- Quick-stud system ensures easy closing /opening of the front cover
- Easy access with telescopic rail pull-out system
- Special protection tubes and bend radien for protecting the incoming fiber from bending and guiding the fibers to the special designed splice cassettes in a professional way
- Special splice cassettes of 12 or 24 port capacity with professional cable storage and protection
- 100% Compatible to Bellcore GR-326 standards
- Confirms to every type of connectors (ST, SC, FC, LC, MTRJ, E2000, etc.)

1U Version

2U Version

Technical Details

Dimensions	1U: 465 mm (W) x 238 mm (D) x 44.45 mm (H) 2U: 465 mm (W) x 238 mm (D) x 88,15 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035 or RAL9005
Weight	6 kg (2U), 4 kg (1U)

Applications

FTTX applications, Data center and LAN & WAN projects.

XTND-FPP-200-AAA-BB-CCC-DD-E

FIBER CAPACITY	CONNECTOR TYPE	CONNECTOR FEATURE		CONTENT KNOWLEDGE		COLOUR	
AAA	BB	CCC		DD		E	
04	ST/UPC	01	Single mode Simplex G652D	SS	Pigtail x Adapter ✓ Casette ✓	00	Light Grey/Ral 7035	7
08	SC/UPC	02	Single mode Simplex G657A2	SS7	Pigtail ✓ Adapter ✓ Casette ✓	01	Black/Ral 9005	9
12	SC/APC	03	Single mode Simplex G655	SS5	Pigtail x Adapter x Casette ✓	02		
24	FC/UPC	04	Single mode Duplex G652D	SD	Pigtail x Adapter x Casette x	03		
36	LC/UPC	05	Single mode Duplex G657A2	SD7	Pigtail x Adapter ✓ Casette x	04		
48	LC/APC	06	Single mode Duplex G655	SD5	Pigtail ✓ Adapter x Casette x	05		
72	E2000/UPC	07	Multi Mode Simplex OM1 62,5/125	MS1				
96	FC/APC	08	Multi Mode Simplex OM2 50/125	MS				
	E2000/APC	09	Multi Mode Simplex OM3 50/125	MS3				
	ST/APC	10	Multi Mode Simplex OM4 50/125	MS4				
			Multi Mode Simplex OM5 50/125	MS5				
			Multi Mode Duplex OM1 62.5/125	MD1				
			Multi Mode Duplex OM2 50/125	MD				
			Multi Mode Duplex OM3 50/125	MD3				
			Multi Mode Duplex OM4 50/125	MD4				
			Multi Mode Duplex OM5 50/125	MD5				

SAMPLE CODING
XTND-FPP-200-24-03-SS-01-7

✓ Included   x Not Included

MODULAR FIBER PATCH PANEL
XTND-FPP-250

Overview

The XTND-FPP-250 Fiber panel provides an extremely simple solution for blending an infrastructure with horizontal cabling and fiber channels, thanks to its manageability, flexibility and scalability. Fiber patch panel cutout fiber adapter plates (SC simplex SC duplex LC simlex LC duplex LC quad ST,FC,ST 12 ports and 24 ports) can be used for in-field fiber optic installations and can be used with up to 4 RJ45 Keystonejack Plates.

CAN-FPP-250	
XTND-FPP-250-1U-9-EM	MODULAR FIBER OPTIC 3 EYE PATCHPANEL 1U RAL9005
XTND-FPP-250-FP-9-SCDX08-1-8	8 Core SC Duplex for Panel Blank 1-8 (4x DUST COVER) RAL9005
XTND-FPP-250-FP-9-SCDX08-9-I6	8 Core SC Duplex for Panel blank 9-16 (4x DUST COVER) RAL9005
XTND-FPP-250-FP-9-SCDX08-I7-24	8 Core SC Duplex for Panel Blank 17-24 (4x DUST COVER) RAL9005
XTND-FPP-250-FP-9-SCDX16-1-16	For Panel 16 Core SC Duplex Faceplate blank 1-16 (8x DUST COVER) RAL9005
XTND-FPP-250-FP-9-SCDX16-17-32	For Panel 16 Core SC Duplex Faceplate blank 17-32 (8x DUST COVER) RAL9005
XTND-FPP-250-FP-9-SCDX16-33-48	For Panel 16 Core SC Duplex Faceplate blank 33-48 (8x DUST COVER) RAL9005
XTND-FPP-250-fP-9-LCDX08-I-8	8 Core LC Duplex for Panel Blank 1-8 (4x DUST COVER) RAL9005
XTND-FPP-250-FP-9-LCDX08-9-I6	8 Core LC Duplex for Panel blank 9-16 (4x DUST COVER) RAL9005
XTND-FPP-250-FP-9-LCDX08-17-24	8 Core LC Duplex for Panel Blank 17-24 (4x DUST COVER) RAL9005
XTND-FPP-250-FP-9-LCDX16-1-16	For Panel 16 Core LC Duplex Faceplate blank 1-16 (8x DUST COVER) RAL9005
XTND-FPP-250-FP-9-LCDX16-17-32	For Panel 16 Core LC Duplex Faceplate blank 17-32 (8x DUST COVER) RAL9005
XTND-FPP-250-FP-9-LCDXI6-33-48	For Panel 16 Core LC Duplex Faceplate blank 33-48 (8x DUST COVER) RAL9005

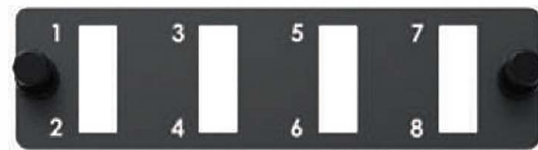# 1U EMPTY SUB RACK

XTND-FPP-250-1U-EM

PLUG & PLAY ADAPTER PANELS

XTND-FPP-250-FP-9-SCDX16-1-16
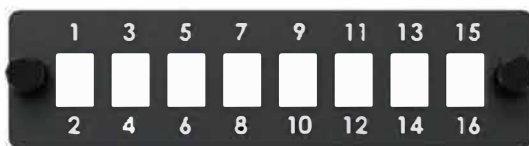XTND-FPP-250-FP-9-SCDX16-17-32
XTND-FPP-250-FP-9-SCDX16-33-48

XTND-FPP-250-FP-9-SCDX08-1-8
XTND-FPP-250-FP-9-SCDX08-9-16
XTND-FPP-250-FP-9-SCDX08-17-24

XTND-FPP-250-FP-9-LCDX16-1-16
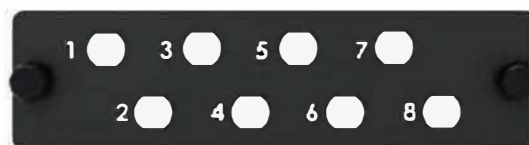XTND-FPP-250-FP-9-LCDX16-17-32
XTND-FPP-250-FP-9-LCDX16-33-48

XTND-FPP-250-FP-9-SCSX08-1-8
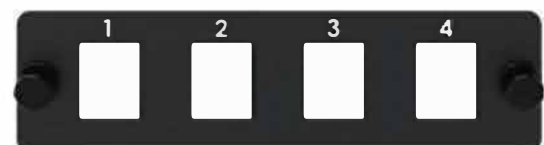XTND-FPP-250-FP-9-SCSX08-9-1   6
XTND-FPP-250-FP-9-SCSX08-17-24

XTND-FPP-250-FP-9-FCSX08-1-8
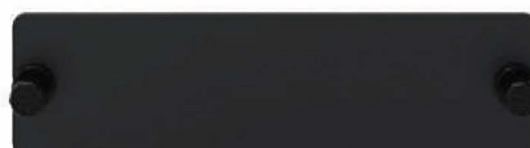XTND-FPP-250-FP-9-FCSX08-9-16
XTND-FPP-250-FP-9-FCSX08-17-24

XTND-FPP-250-FP-9-KJSX08-1-4
XTND-FPP-250-FP-9-KJSX08-5-8
XTND-FPP-250-FP-9-KJSX08-9-12

XTND-FPP-250-FP-9-EM

1U/2U 19" & ETSI FIBER OPTIC
PATCH PANEL WITH MECHANICAL SLIDING MECHANISM
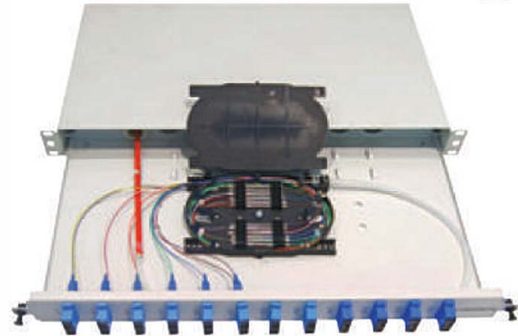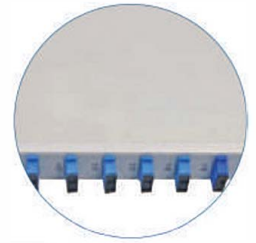### XTND-FPP-600

Overview

Provides professional cable management and ease of fiber termination with a cost effective mechanical pull-out mechanism.

Highlights

- 1U and 2U versions (12, 24, 36, 48, 72 and 96 port capacity)
- Smooth and convenient mechanical sliding system
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min. movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35 mm
- Capacity of up to 48 ports
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. ore possible.

Applications

FTTX applications, Data center and LAN & WAN projects.

Technical Details

Dimensions	(19") 482 mm (W) x 254 mm (D) x 1U (H)
Material	Mild Steel
Color	Powder coat RAL7035 or RAL9005
Weight	2 kg
Maximum Port Capacity	96 Ports

XTND-FPP-600-AAA-BB-CCC-DD-E

FIBER CAPACITY	CONNECTOR TYPE		CONNECTOR FEATURE		CONTENT KNOWLEDGE		COLOUR	
AAA	BB		CCC		DD		E	
04	ST/UPC	01	Single mode Simplex G652D	SS	Pigtail x Adapter ✓ Casette ✓	00	Light Grey/Ral 7035	7
08	SC/UPC	02	Single mode Simplex G657A2	SS7	Pigtail ✓ Adapter ✓ Casette ✓	01	Black/Ral 9005	9
12	SC/APC	03	Single mode Simplex G655	SS5	Pigtail x Adapter x Casette ✓	02		
24	FC/UPC	04	Single mode Duplex G652D	SD	Pigtail x Adapter x Casette x	03		
36	LC/UPC	05	Single mode Duplex G657A2	SD7	Pigtail x Adapter ✓ Casette x	04		
48	LC/APC	06	Single mode Duplex G655	SD5	Pigtail ✓ Adapter x Casette x	05		
72	E2000/UPC	07	Multi Mode Simplex OM1 62,5/125	MS1				
96	FC/APC	08	Multi Mode Simplex OM2 50/125	MS				
	E2000/APC	09	Multi Mode Simplex OM3 50/125	MS3				
	ST/APC	10	Multi Mode Simplex OM4 50/125	MS4				
			Multi Mode Simplex OM5 50/125	MS5				
			Multi Mode Duplex OM1 62,5/125	MD1				
			Multi Mode Duplex OM2 50/125	MD				
			Multi Mode Duplex OM3 50/125	MD3				
			Multi Mode Duplex OM4 50/125	MD4				
			Multi Mode Duplex OM5 50/125	MD5				

SAMPLE CODING
XTND-FPP-600-24-03-SS-01-7

✓ Included   x Not Included

1U/2U 19" & ETSI FIBER OPTIC
MODULAR PATCH PANEL WITH MECHANICAL SLIDING MECHANISM
XTND-FPP-6008

Overview

Provides professional cable management and ease of fiber termination with a cost effective mechanical pull-out mechanism.

Highlights

- 1U and 2U versions (12, 24, 36, 48, 72 and 96 port capacity)
- Smooth and convenient mechanical sliding system
- Manages small & large quantities of fiber with a high packing density
- Modular design
- Cable glands to secure the incoming fiber, allows min. movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35 mm
- Capacity of up to 48 ports
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible.

Applications

FTTX applications, Data center and LAN & WAN projects.

Technical Details

Dimensions	(19") 482 mm (W) x 254 mm (D) x 1U (H)
Material	Mild Steel
Color	Powder coat RAL7035 or RAL9005
Weight	2 kg
Maximum Port Capacity	96 Ports

XTND-FPP-600B-AAA-BB-CCC-DD-E

FIBER CAPACITY	CONNECTOR TYPE	CONNECTOR FEATURE		CONTENT KNOWLEDGE		COLOUR	
AAA	BB	CCC		DD		E	
04	ST/UPC 01	Single mode Simplex G652D	SS	Pigtail x Adapter ✓ Casette ✓	00	Light Grey/Ral 7035	7
08	SC/UPC 02	Single mode Simplex G657A2	SS7	Pigtail ✓ Adapter ✓ Casette ✓	01	Black/Ral 9005	9
12	SC/APC 03	Single mode Simplex G655	SS5	Pigtail x Adapter x Casette ✓	02		
24	FC/UPC 04	Single mode Duplex G652D	SD	Pigtail x Adapter x Casette x	03		
36	LC/UPC 05	Single mode Duplex G657A2	SD7	Pigtail x Adapter ✓ Casette x	04		
48	LC/APC 06	Single mode Duplex G655	SD5	Pigtail ✓ Adapter x Casette x	05		
72	E2000/UPC 07	Multi Mode Simplex OM1 62,5/125	MS1				
96	FC/APC 08	Multi Mode Simplex OM2 50/125	MS				
	E2000/APC 09	Multi Mode Simplex OM3 50/125	MS3				
	ST/APC 10	Multi Mode Simplex OM4 50/125	MS4				
		Multi Mode Simplex OM5 50/125	MS5				
		Multi Mode Duplex OM1 62,5/125	MD1				
		Multi Mode Duplex OM2 50/125	MD				
		Multi Mode Duplex OM3 50/125	MD3				
		Multi Mode Duplex OM4 50/125	MD4				
		Multi Mode Duplex OM5 50/125	MD5				

SAMPLE CODING
XTND-FPP-600B-24-03-SS-01-7

✓ Included   x Not Included

1U/2U 19" & ETSI FIXED

FIBER OPTIC PATCH PANEL
XTND-FPP-400

Overview

Ensures professional cable management and ease of fiber termination in a cost effective way.

Highlights

- 1U and 2U versions (12, 24, 36 and 48 port capacity)
- Cost effective non-pull out system for budgetary applications
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min. movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35 mm
- Capacity of up to 48 ports
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible.

Technical Details

Dimensions	(19") 482 mm (W) x 254 mm (D) x 1U (H)
Material	Mild Steel
Color	Powder coat RAL7035 or RAL9005
Weight	2 kg
Maximum Port Capacity	48 Ports

XTND-FPP-400-AAA-BB-CCC-DD-E

FIBER CAPACITY	CONNECTOR TYPE		CONNECTOR FEATURE		CONTENT KNOWLEDGE		COLOUR	
AAA	BB		CCC		DD		E	
04	ST/UPC	01	Single mode Simplex G652D	SS	Pigtail x Adapter ✓ Casette ✓	00	Light Grey/Ral 7035	7
08	SC/UPC	02	Single mode Simplex G657A2	SS7	Pigtail ✓ Adapter ✓ Casette ✓	01	Black/Ral 9005	9
12	SC/APC	03	Single mode Simplex G655	SS5	Pigtail x Adapter x Casette ✓	02		
24	FC/UPC	04	Single mode Duplex G652D	SD	Pigtail x Adapter x Casette x	03		
36	LC/UPC	05	Single mode Duplex G657A2	SD7	Pigtail x Adapter ✓ Casette x	04		
48	LC/APC	06	Single mode Duplex G655	SD5	Pigtail ✓ Adapter x Casette x	05		
72	E2000/UPC	07	Multi Mode Simplex OM1 62,5/125	MS1				
96	FC/APC	08	Multi Mode Simplex OM2 50/125	MS				
	E2000/APC	09	Multi Mode Simplex OM3 50/125	MS3				
	ST/APC	10	Multi Mode Simplex OM4 50/125	MS4				
			Multi Mode Simplex OM5 50/125	MS5				
			Multi Mode Duplex OM1 62,5/125	MD1				
			Multi Mode Duplex OM2 50/125	MD				
			Multi Mode Duplex OM3 50/125	MD3				
			Multi Mode Duplex OM4 50/125	MD4				
			Multi Mode Duplex OM5 50/125	MD5				

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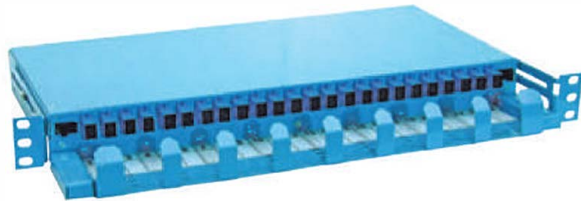**XTND**-FPP-400-24-03-SS-01-7

✓ Included   x Not Included

1U 19" & ETSI TELESCOPIC

FIBER OPTIC PATCH PANEL WITH CABLE MANAGER
XTND-FPP-700

Overview

Ensures professional cable management and ease of fiber termination with front cable manager for patchcords.

Technical Details

Dimensions	(19") 465 mm (W) x 280 mm (D) x 1U (H)
Material	Mild Steel
Color	Powder coat RAL7035 or RAL9005
Weight	2 kg
Maximum Port Capacity	48 Ports

Applications

FTTX applications, Data center and LAN & WAN projects.

Highlights

- 1U version (24 and 48 port capacity)
- Telescopic rail system with front cable management for patchcords
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min. movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35 mm
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible.

XTND-FPP-700-AAA-BB-CCC-DD-E

FIBER CAPACITY	CONNECTOR TYPE		CONNECTOR FEATURE		CONTENT KNOWLEDGE			COLOUR	
AAA	BB		CCC		DD			E	
04	ST/UPC	01	Single mode Simplex G652D	SS	Pigtail x Adapter ✓ Casette ✓	00		Light Grey/Ral 7035	7
08	SC/UPC	02	Single mode Simplex G657A2	SS7	Pigtail ✓ Adapter ✓ Casette ✓	01		Black/Ral 9005	9
12	SC/APC	03	Single mode Simplex G655	SS5	Pigtail x Adapter x Casette ✓	02			
24	FC/UPC	04	Single mode Duplex G652D	SD	Pigtail x Adapter x Casette x	03			
36	LC/UPC	05	Single mode Duplex G657 A2	SD7	Pigtail x Adapter ✓ Casette x	04			
48	LC/APC	06	Single mode Duplex G655	SD5	Pigtail ✓ Adapter x Casette x	05			
72	E2000/UPC	07	Multi Mode Simplex OM1 62.5/125	MS1					
96	FC/APC	08	Multi Mode Simplex OM2 50/125	MS					
	E2000/APC	09	Multi Mode Simplex OM3 50/125	MS3					
	ST/APC	10	Multi Mode Simplex OM4 50/125	MS4					
			Multi Mode Simplex OM5 50/125	MS5					
			Multi Mode Duplex OM1 62.5/125	MD1					
			Multi Mode Duplex OM2 50/125	MD					
			Multi Mode Duplex OM3 50/125	MD3					
			Multi Mode Duplex OM4 50/125	MD4					
			Multi Mode Duplex OM5 50/125	MD5					

SAMPLE CODING
XTND-FPP-700-24-03-SS-01-7

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1U 9.5" & ETSI FIBER OPTIC
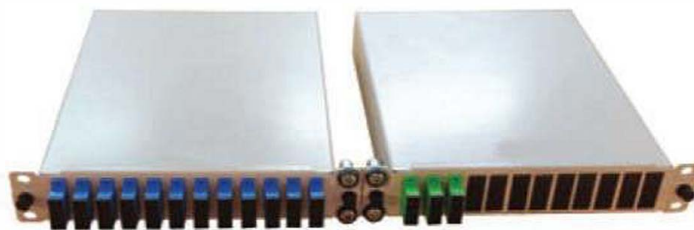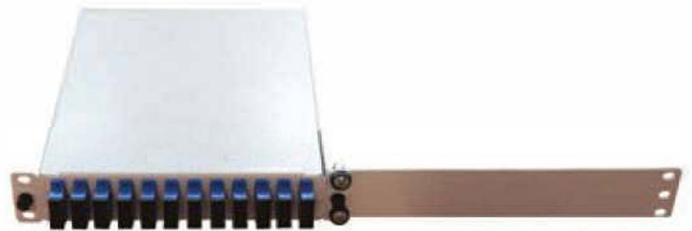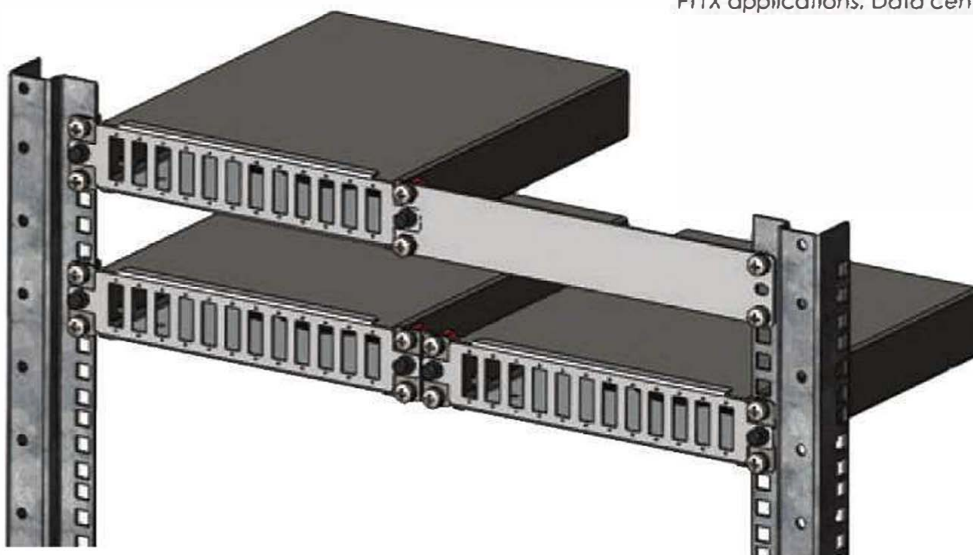## PATCH PANEL WITH BOLTING MECHANISM
XTND-FPP-650

Overview

Enables easy installation of different fiber modules in a rack via special bolted fixing mechanism. It consumes less space and provides the flexibility to use 2 different modules in a 1U space.

Highlights

- Mechanical bolting system
- 9" Modules with different adapter options
- 1U option (12,24, 36 and 48 port capacity)
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Easy to maintain and extend
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control of 35 mm
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible

Single module placement

Double module placement

Technical Details

Dimensions	(9.5") 241 mm (W) x 254 mm (D) x 1U (H)
Material	Mild Steel
Color	Powder coat RAL7035 or RAL9005
Weight	1 kg
Maximum Port Capacity	SC-24 ports, LC-48 ports

Applications

FTTX applications, Data center and LAN & WAN projects.

1U/2U 19" & ETSI SWING TYPE
FIBER OPTIC PATCH PANEL
XTND-PVT-50X

Overview

Ensures professional cable management and ease of fiber termination with front cable manager for patchcords.

Highlights

- 1U version 24 ports capacity (up to 30 ports)
- 2U version 48 ports capacity (up to 72 ports)
- Swing Out system with front cable management for patchcords
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min. movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35 mm
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible.

Technical Details

Dimensions	430 mm (W) x 280 mm (D) x 1U (H)
Material	Aluminum
Color	Powder coat RAL7035
Weight	1U: 2.1kg, 2U: 2.8kg
Compliance	GR-449-core of Telcordia Specification

Applications

Fiber Transmission Networks In Telco`s Central applications, Fiber exchange systems, Utility Networks.

Density Information

1U 24 ports Module	24 pieces SC/LC/FC/ST/E200/DIN/MU-PC/APC etc. simplex adapters and 24 pieces 1.5 m SC/LC/FC/ST/E200/DIN/MU-PC/APC simplex pigtail (confirms G652, G652D standards)
2U 48 ports Module	48 pieces SC/LC/FC/ST/E200/DIN/MU-PC/APC etc. simplex adapters and 48 pieces 1.5 m SC/LC/FC/ST/E200/DIN/MU-PC/APC simplex pigtail (confirms G652, G652D standards)

1U/2U ASSOS PIVOT TYPE ODF MODULE
XTND-ASO-100

Overview

Ultimate new design with the most advanced splice & patch system and cable management ever developed for high density applications on carrier & transmission side.

Highlights

- 1U option for different fiber capacities (2U option is available)
- Modular design for 19"/ETSI optical distribution frames
- Pivot (Swing) type sliding aluminum module system provides easy access
- Module provides max. fiber termination possibility with superior cable management
- Magnetic lock system ensures easy closing/opening of the unit up to 24 port capacity
- Ensures minimal cable movement
- 24 port capacity fiber trays are used inside
- Cable glands are used to protect and fix incoming and outgoing fibers
- Incoming cable protection tube inside
- Inflammable plastic cassettes are used inside
- SC, LC, FC, ST, MTRJ, E-2000 interfaces etc. available

Technical Details

Dimensions	485 mm (W) x 260 mm (D) x 1U (H)
Material	Aluminum
Color	Powder coat RAL7035
Weight	1U: 2.1kg, 2U: 2.8kg
Maximum Port Capacity	GR-449-core of Telcordia Specification

Applications

Fiber Transmission Networks in Telco's Central applications, Fiber exchange systems, Utility Networks.

Density Information

1U 24 ports Module	12 pieces SC/APC Duplex adapters and 24 pieces 1.5 m SC/APC simplex pigtail (confirms G652, G652D standards)
2U 48 ports Module	24 pieces SC/APC Duplex adapters and 48 pieces 1.5 m SC/APC simplex pigtail (confirms G652, G652D standards)

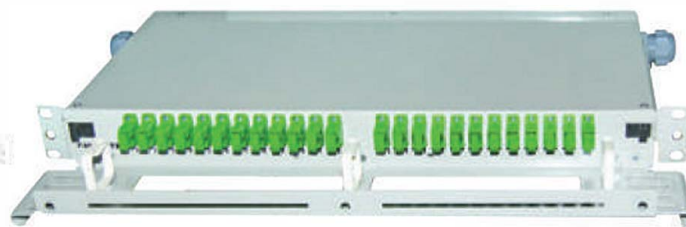# FIBER OPTIC PATCH PANEL
WITH FRONT CABLE GUIDE
XTND-FPP-50X

Overview

XTND-FPP-50X ensures professional cable management and splice & patch possibility for ribbon and non-ribbon fibers.

Highlights

- 1U (36 port capacity)
- Confirms 19" or ETSI installations
- Professional and advanced coble management
- Front cable management and guides for patchcords
- Proper labelling on the front and cassettes
- Quick-stud system ensures easy closing/opening of the unit
- Easy access with slide-in pull-out system
- Cable entry from the rear and sides
- Special protection tubes and bend radien for protecting the incoming fiber from bending and guiding the fibers to the special designed splice cassettes in a professional way
- Special splice cassettes of 12 or 24 port capacity with professional cable storage and protection
- Suitable for ribbon and non-ribbon cables
- 100% Compatible to Bellcore GR-326 standards
- Conformity to every type of connectors (ST, SC, FC, LC, MTRJ, E2000, etc.)

Removable Panel

Technical Details

Dimensions	465 mm (W) x 272 mm (D) x 44,45 mm 1U
Material	Mild Steel, 1.5 mm
Color	Powder- Coated Median Grey NCS 2502B
Weight	4 kg (1U)

Applications

FTTX applications, Data center and LAN & WAN projects.

Adaptor Type	Fiber Capacity	Product Code
FC/APC Simplex	24	XTND-FPP-501
SC/APC Simplex	24	XTND-FPP-502
FC/APC Simplex High Density	44	XTND-FPP-503
SC/APC Simplex High Density	36	XTND-FPP-504
LC/APC Simplex	24	XTND-FPP-505

Inside view and cable management

XTND ®
CONNECT

XTND Connect Ltd.

TECHNICAL DATASHEET

Leader in fiber optic networking solutions.

Page 1

6~12 Ports DIN/ Wall Mount Panel

The mini wall mount fiber Termination Box is a compact indoor wall mount enclosure for interconnectivity and termination of optical fibers. Its' small size is ideal for use in tight closets, inside cabinets and enclosures.

This Panel can flexibly house with Interchangeable adapter panels for different applications. It is made of high quality steel which delivers superior durability to satisfy your wall mount cabling management need.

12 Fibers Box with LC Adapter Panel

12 Fibers Box with SC Adapter Panel
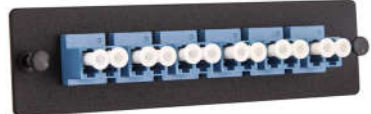

DIN rail mounting bracket

Features

- Options of 6, 8, 12 fiber capacity.
- Compact size, Ideal for small locations.
- Box holds one fiber adapter panel.
- Accepts FC, SC, ST or LC adapters.

- Small splice tray accommodates up to 12 fibers.
- 2 cable entry ports on the top of box.
- DIN rail mounting bracket optional.

Specifications:

Working Temperature	-25～+60°C	Storage Temperature	-40～+70°C
Humidity	93%(+30°C)	Air Pressure	70KPa～106KPa
Size (W×H×D) mm	133 x 172 x 32	Weight (kg)	0.7
Color	Black (Powder Coating)	Material	1.2mm Cold Rolled Steel
Capacity (Cores)	12(SC, LC), 6 or 8(FC, ST, SC)	Connect Models	Fusion splicing
Installation Models	Wall Mounted or DIN Rail Mounted	Cable Gland	PG13.5
Cable Diameter	Φ6-Φ12mm	Cable Input Ports	2

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Adapter Panel Modules

Adapter panel modules offer users the ability to add terminations incrementally. Simple captive push/pull fasteners make these plates easy to install and remove for service.

Part Number	Description	Drawing	
XTND-06ST	ST Adaptors with Plate, Fully Loaded-6 Ports		
XTND-08ST	ST Adaptors with Plate, Fully Loaded-8 Ports		
XTND-06FC	FC (D type) Adaptors with Plate, Fully Loaded-6 Ports		
XTND-08FC	FC (D type) Adaptors with Plate, Fully Loaded-8 Ports		
XTND-D12SC-CL	Duplex SC(6) Adaptor with Plate, Fully Loaded-12 ports		
XTND-12LC-CL	Duplex LC(6) Adaptor with Plate, Fully Loaded-12 ports		
XTND-00	Blank Adaptor Plate		

CONTACT US

If you are looking for reliable and efficient solutions in fiber optics, networking equipment, IT/telecom racks and cabinets, cable pulling equipment, structured cabling products and accessories, and media converters, contact XTND Solutions LTD today on *sales@xtndconnect.com*. Our team is ready to assist you in finding the right products to meet your specific requirements

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