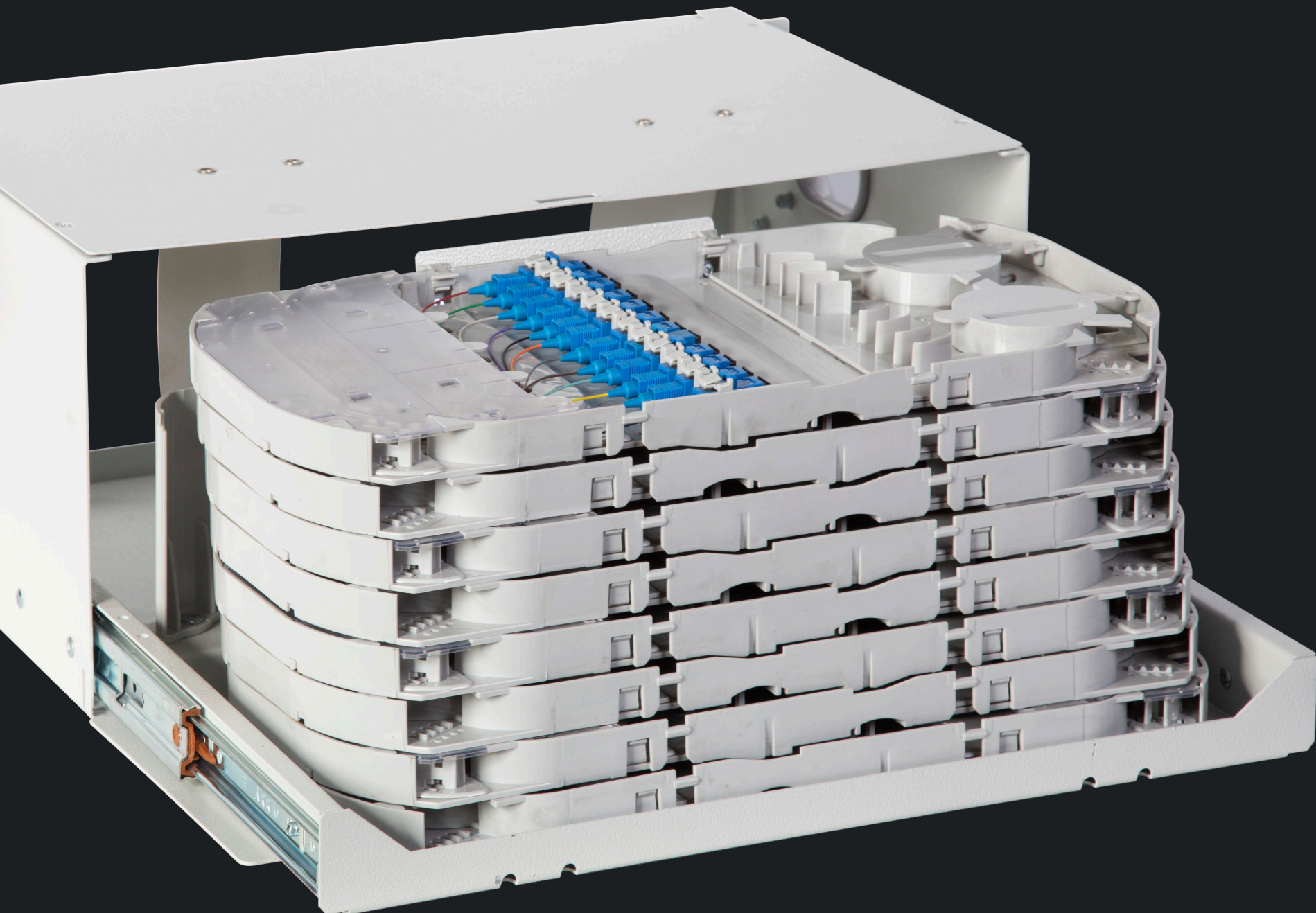**FROG ENGINEERING**

OFEB FIBER OPTIC
TERMINATION PANELS

OFEB Fiber Optic Termination Panels are multifunctional units belonging to the physical fber management system, developed to protect and organize the mess cable system and that eases the transfer thanks to the telescopic rails. **Front and rear mounting brackets for added flexibility**

OFEB 2U

OFEB 3U

OFEB 4U

In accordance with ITU-T L.51 recommendations for the installation of optical elements in passive nodes.
Compliant with ITU-T L.202 (old L.50) describing general ODFs requirements in a central office.
Grounding in accordance with recommendation ITU-T K.11
All plastic elements in compliance with UL94 (LSZH = V-0)
OFEB family available in 1RU, 2RU, 3RU and 4RU

FROG ENGINEERING

1U OFEB FIBER OPTIC TERMINATION PANELS

TECHNICAL FEATURES

- Modular structure designed for 19'' and 21'' ETSI optical distribution panels
- Telescopic rail system
- Outstanding cable management with maximum fiber optic termination availability
- 2 x12 Port splice cassette.
- Compatible adapters (SC/LC) 12/24/48 Ports
- Minimum cable movement
- Fiber optic tray with 12/24/48 ports capacity
- Access to the panel on the sides
- Nonflammable splice cassettes
- SC, FC, ST, MTRJ, ...etc. modules

TECHNICAL DETAILS

- Capacity: 1U 12/24/48 ports
- Maximum Capacity: 48 ports
- Dimensions: (19") W=482mm D=280mm H=1U(44.5mm)
- Material: Carbon Steel
- Weight: 4.6kg (loaded)
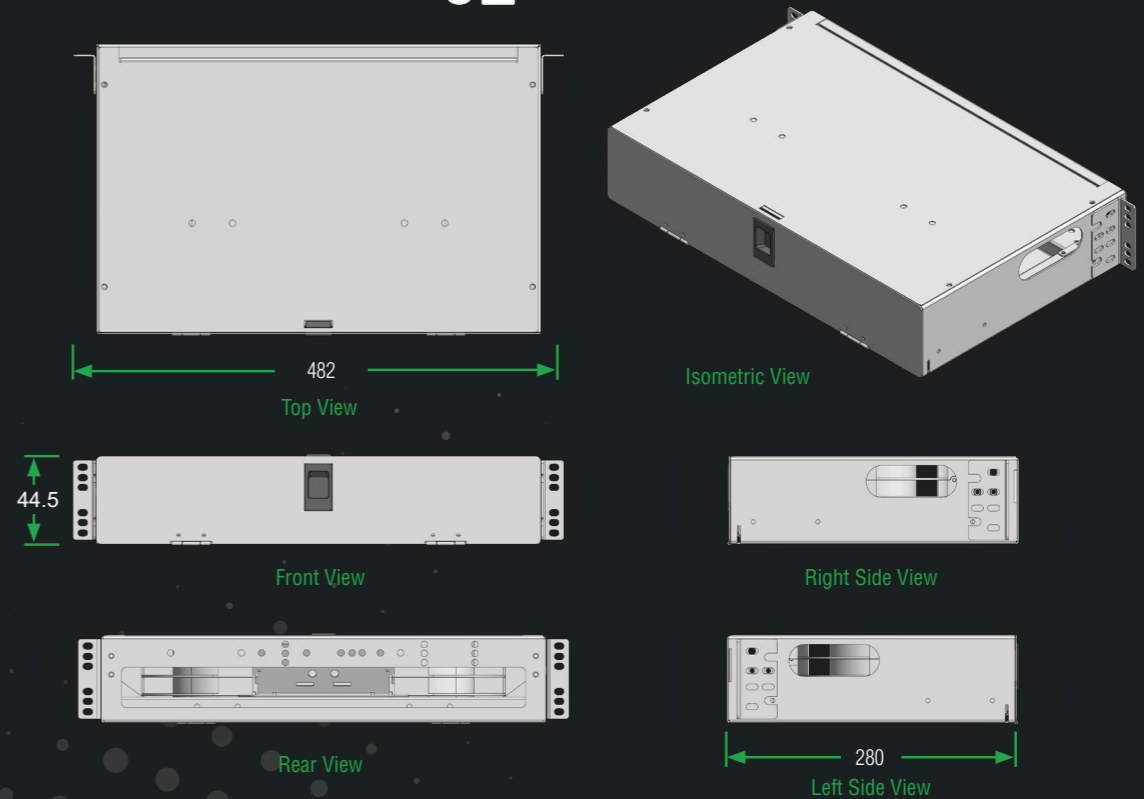- Color: RAL 7035 Light Grey or RAL 9005 Black

INSTALLATION AREAS

LAN-WAN projects, FTTX installations and Data Centers

SET CONTENTS

- 1U 21'' ETSI converter side lugs 2 pcs
- M6 screw and nut set (4 pcs) 1 set
- Tray support wedge 1 pcs
- Bend control 1 pcs
- U-Link Connector Adapter SC (Holder) 24/48 pcs
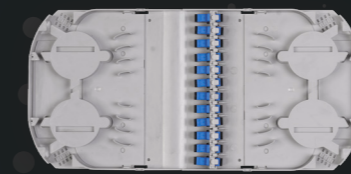- Splice cassette 2 pcs

Technical Drawing

482
Top View

44.5
Front View

Isometric View

Right Side View

Rear View

280
Left Side View
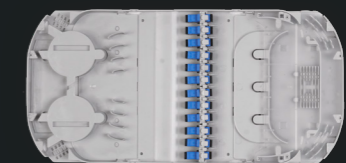
Port Options

2 X Patch & Patch
12 Sc Adapter Holder

2 X Splice & Patch
12 Sc Adapter Holder

Given port numbers are based on the connector numbers.

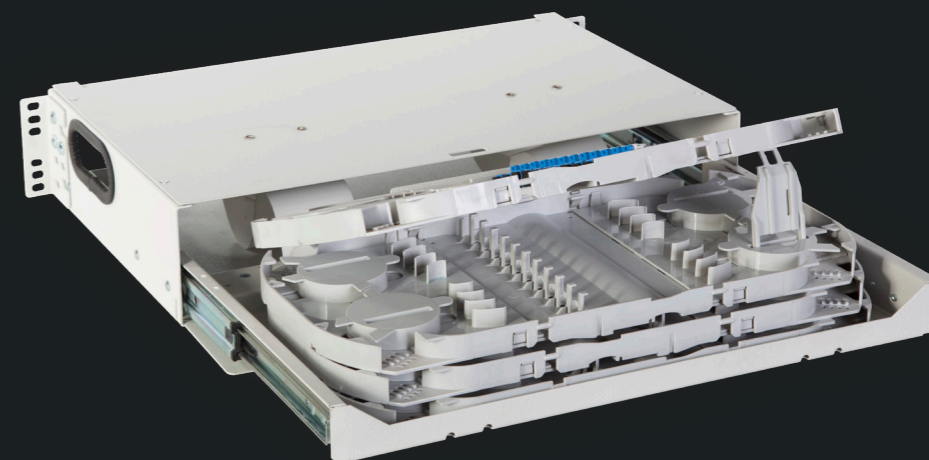| Product Code	2U OFEB FIBER OPTIC TERMINATION PANELS					Logistics		
	(U)	Port	Width W	Depth D	Height H	Net Weight (kg)	Width	Depth	Height
FE.OFEB2U24.SCS.02_PS	1U	24	482 mm	280 mm	44.5 mm	4.6 kg	510 mm	300 mm	65 mm
FE.OFEB2U24.SCS.02_PP	1U	24	482 mm	280 mm	44.5 mm	4.6 kg	510 mm	300 mm	65 mm

XX= Color Code, 02 specifies RAL 7035 Light Grey / 01 Black RAL 9005 Black. The color codes are specified by the customer on the order.

PS at the end of the code represents Splice & Patch cassette while PP represent Patch & Patch cassette.

2U OFEB FIBER OPTIC TERMINATION PANELS

TECHNICAL FEATURES

- Modular structure designed for 19'' and 21'' ETSI optical distribution panels
- Telescopic rail system
- Outstanding cable management with maximum fiber optic termination availability
- 4 x12 Port splice cassette.
- Compatible adapters (SC/LC) 48/96 Ports
- Minimum cable movement
- Fiber optic tray with 12 ports capacity
- Access to the panel on the sides
- Nonflammable splice cassettes
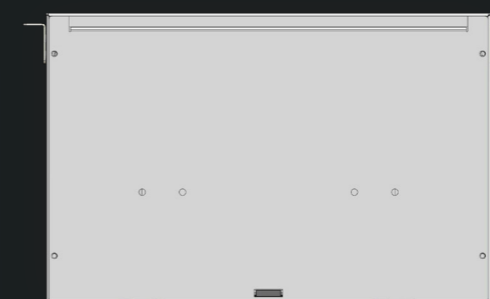- SC, FC, ST, MTRJ, ...etc. modules
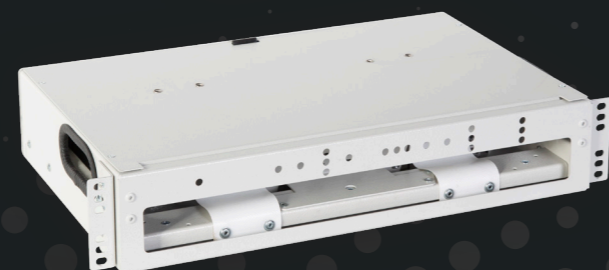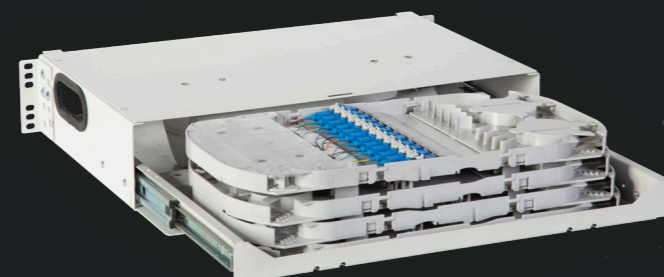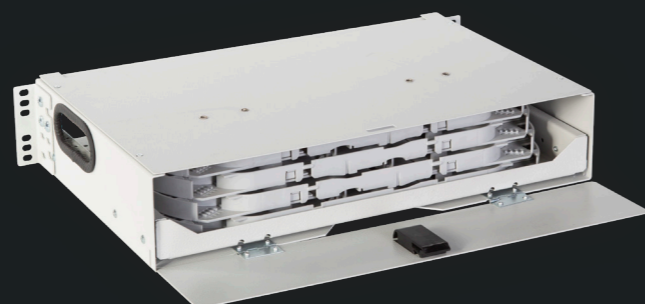
TECHNICAL DETAILS

- Capacity: 2U 48/96 ports
- Maximum Capacity: 96 ports
- Dimensions: (19") W=482mm D=280mm H=2U(88.9mm)
- Material: Carbon Steel
- Weight: 7.2kg (loaded)
- Color: RAL 7035 Light Grey or RAL 9005 Black

INSTALLATION AREAS

LAN-WAN projects, FTTX installations and Data Centers

SET CONTENTS

- 2U 21'' ETSI converter side lugs 2 pcs
- M6 screw and nut set (4 pcs) 1 set
- Tray support wedge 1 pcs
- Bend control 1 pcs
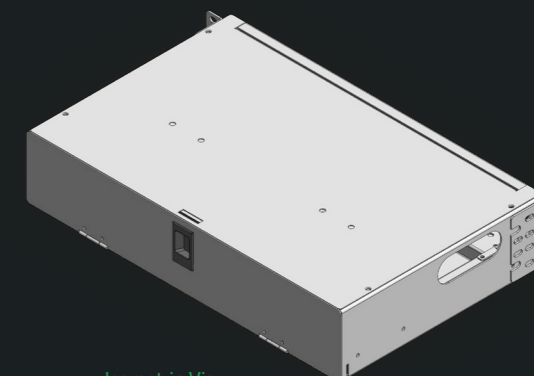- U-Link Connector Adapter SC (Holder) 48 pcs
- Splice cassette 4 pcs

Technical Drawing

482
Top View

88.9
Front View

Rear View

Isometric View

Right Side View

280
Left Side View
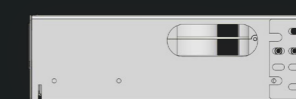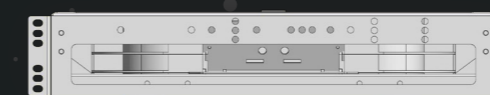
Port Options
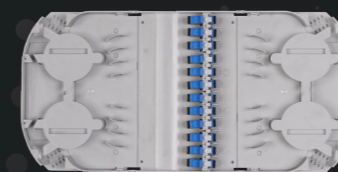
4 X **Patch & Patch**
12 Sc Adapter Holder
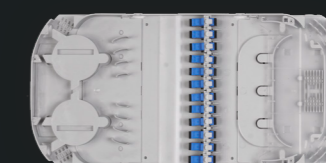
4 X **Splice & Patch**
12 Sc Adapter Holder

Given port numbers are based on the connector numbers.

Product Code	2U OFEB FIBER OPTIC TERMINATION PANELS					Logistics		
	(U)	Port	Width W	Depth D	Height H	Net Weight (kg)	Width	Depth	Height
FE.OFEB2U48.SCS.02_PS	2U	48	482 mm	280 mm	88.9 mm	7.2 kg	510 mm	300 mm	100 mm
FE.OFEB2U48.SCS.02_PP	2U	48	482 mm	280 mm	88.9 mm	7.2 kg	510 mm	300 mm	100 mm

XX= Color Code, 02 specifies RAL 7035 Light Grey / 01 Black RAL 9005 Black. The color codes are specified by the customer on the order.

PS at the end of the code represents Splice & Patch cassette while PP represent Patch & Patch cassette.

FROG ENGINEERING

3U OFEB FIBER OPTIC TERMINATION PANELS

Technical Drawing

482
Top View

133.35
Front View
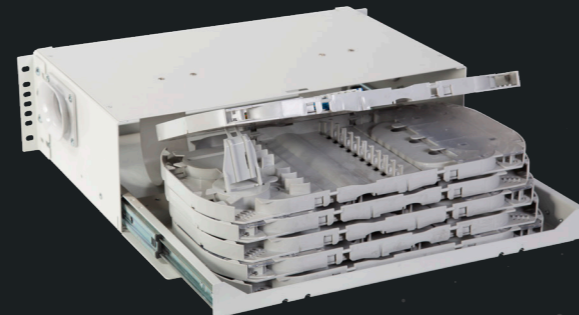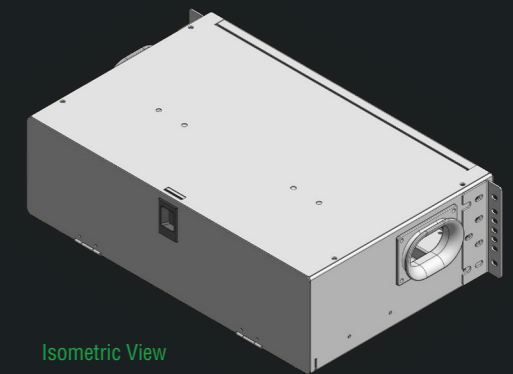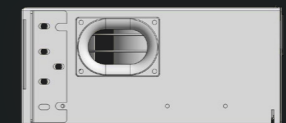
Isometric View

Right Side View

Rear View

280
Left Side View

TECHNICAL FEATURES

- Modular structure designed for 19'' and 21'' ETSI optical distribution panels
- Telescopic rail system
- Outstanding cable management with maximum fiber optic termination availability
- 6x12 Port splice cassette.
- Compatible adapters (SC/LC) 72 Ports
- Minimum cable movement
- Fiber optic tray with 12 ports capacity
- Access to the panel on the sides
- Nonflammable splice cassettes
- SC, FC, ST, MTRJ, ...etc. modules

TECHNICAL DETAILS

- Capaacity: 3U 72/144 ports
- Maximum Capacity: 144 ports
- Dimensions: (19") W=482mm D=280mm H=3U(133 mm)
- Material: Carbon Steel
- Weight: 9 kg (loaded)
- Color: RAL 7035 Light Grey or RAL 9005 Black

INSTALLATION AREAS

LAN-WAN projects, FTTX installations and Data Centers
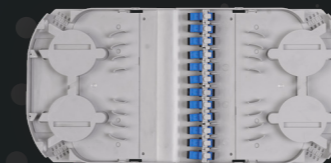
SET CONTENTS

- 2U 21'' ETSI converter side lugs 2 pcs
- M6 screw and nut set (4 pcs) 1 set
- Tray support wedge 1 pcs
- Bend control 2 pcs
- U-Link Connector Adapter SC (Holder) 48 pcs
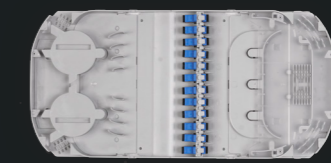- Splice cassette 6 pcs
- Radius PVC cable entry 2 pcs

Port Options

6 X Patch & Patch
12 Sc Adapter Holder

6 X Splice & Patch
12 Sc Adapter Holder

Given port numbers are based on the connector numbers.

| Product Code	2U OFEB FIBER OPTIC TERMINATION PANELS					Logistics		
	(U)	Port	Width W	Depth D	Height H	Net Weight (kg)	Width	Depth	Height
FE.OFEB3U72.SCS.02_PS	3U	72	482 mm	280 mm	133.35 mm	9.0 kg	510 mm	300 mm	150 mm
FE.OFEB3U72.SCS.02_PP	3U	72	482 mm	280 mm	133.35 mm	9.0 kg	510 mm	300 mm	150 mm

XX= Color Code, 02 specifies RAL 7035 Light Grey / 01 Black RAL 9005 Black. The color codes are specified by the customer on the order.

PS at the end of the code represents Splice & Patch cassette while PP represent Patch & Patch cassette.

4U OFEB FIBER OPTIC TERMINATION PANELS
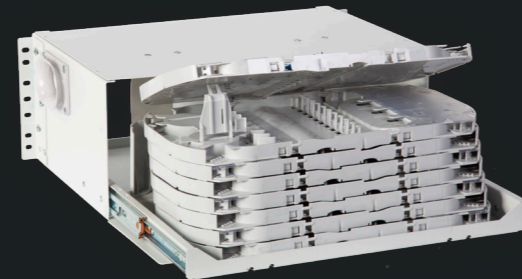
TECHNICAL FEATURES

- Modular structure designed for 19'' and 21'' ETSI optical distribution panels
- Telescopic rail system
- Outstanding cable management with maximum fiber optic termination availability
- 8x12 Port splice cassette.
- Compatible adapters (SC/LC) 96 Ports
- Minimum cable movement
- Fiber optic tray with 12 ports capacity
- Access to the panel on the sides
- Nonflammable splice cassettes
- SC, FC, ST, MTRJ, ...etc. modules

TECHNICAL DETAILS

- Capacity: 4U, 96/192 ports
- Maximum Capacity: 192 ports
- Dimensions: (19") W=482mm D=280mm H=3U(133 mm)
- Material: Carbon Steel
- Weight: 9 kg (loaded)
- Color: RAL 7035 Light Grey or RAL 9005 Black

INSTALLATION AREAS

LAN-WAN projects, FTTX installations and Data Centers

SET CONTENTS

- 2U 21'' ETSI converter side lugs 2 pcs
- M6 screw and nut set (4 pcs) 1 set
- Tray support wedge 1 pcs
- Bend control 2 pcs
- U-Link Connector Adapter SC (Holder) 96 pcs
- Splice cassette 8 pcs
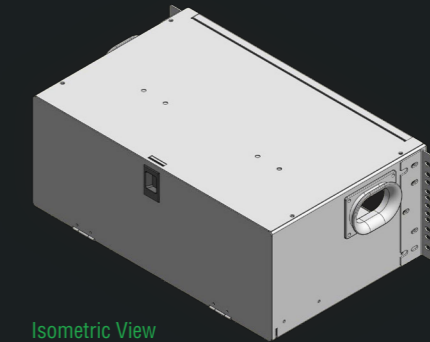- Radius PVC cable entry 2 pcs

Technical Drawing

482
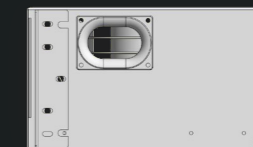Top View

Isometric View

88.9
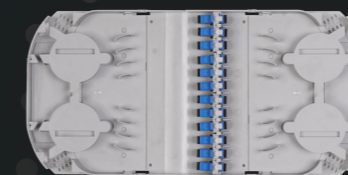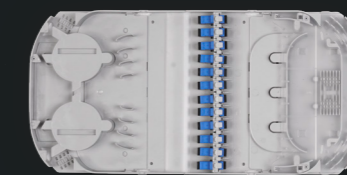Front View

Right Side View

Rear View

280
Left Side View

Port Options

8 X Patch & Patch
12 Sc Adapter Holder

8 X Splice & Patch
12 Sc Adapter Holder

Given port numbers are based on the connector numbers.

Product Code	2U OFEB FIBER OPTIC TERMINATION PANELS					Logistics		
	(U)	Port	Width W	Depth D	Height H	Net Weight (kg)	Width	Depth	Height
FE.OFEB4U96.SCS.02_PS	4U	96	482 mm	280 mm	177.8 mm	10.5 kg	510 mm	300 mm	200 mm
FE.OFEB4U96.SCS.02_PP	4U	96	482 mm	280 mm	177.8 mm	10.5 kg	510 mm	300 mm	200 mm

XX= Color Code, 02 specifies RAL 7035 Light Grey / 01 Black RAL 9005 Black. The color codes are specified by the customer on the order.

PS at the end of the code represents Splice & Patch cassette while PP represent Patch & Patch cassette.