



Product Overview

The Excel range of pivoting patch panels has been designed to fit within fiber optic access networks. These panels can be mounted within 19" 21" or 23" profiles within cabinets or street furniture, with options for left/right-hand pivot points.

Available in 1U, 2U, 3U, and 4U with options for a front hinged door on all sizes. This offers extra protection for exiting patch cords and increases the available areas for labeling.

The panels come standard with 48 adapter positions, allowing 96 fibers when using LC connectors and 48 fibers with SC simplex connectors per 1U.

The front adapter plate can also be changed to offer lower fiber counts upon request. Each panel is equipped with integrated fiber management to protect the fiber, with dedicated channels for the fiber to be routed to each splice tray, each splice tray holding 24 splices per tray. Furthermore, this panel can be adapted to house crimp style splice protectors.

The fiber management trays can also be replaced to house ribbon fiber or 1:8, 1:16, and 1:32 splitters.

Note: When using the LC style of pivot panel it is advised to use Uni-boot duplex or pull tab simplex patch cords.

Product Specifications

Feature	Values
With pigtails	yes
Fibre type	Single mode
Fibre class	OS2
APC-type	yes
Type of connector external	SC simplex/LC duplex
Type of connector interior	SC simplex/LC duplex

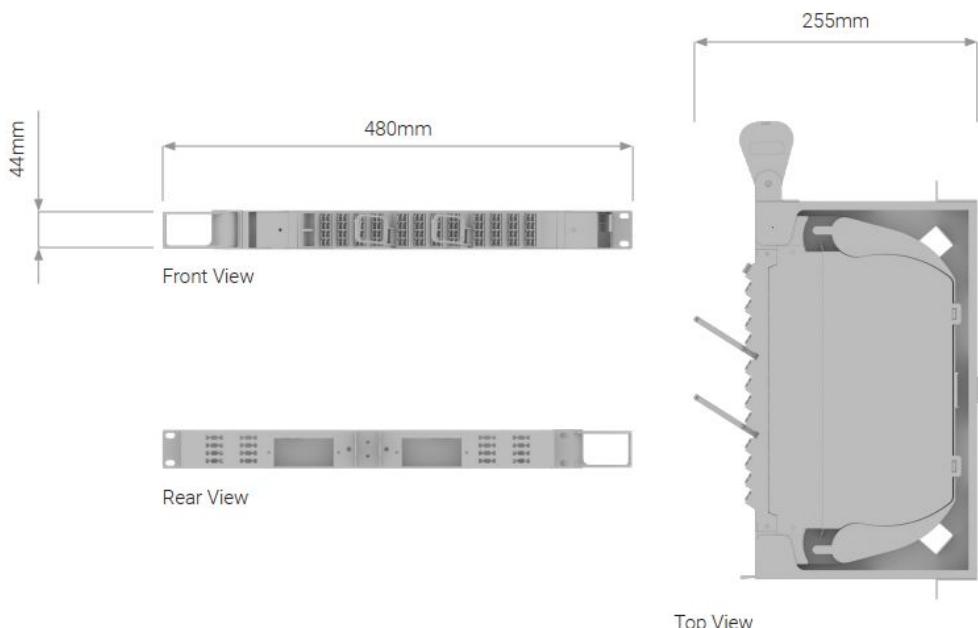
Encasa 48F 1U Pivot Panel with 48 SCA +48 Pigtails Right Hand Pivot

Item Code: 997-002

excel
without compromise.

Colour	Grey
RAL-number	7035
Mounting method	482.6 mm (19 inch) mounting
Number of rack units (RU)	1

Product drawing



Additional specifications

Features	Values
Maximum number of fibres	48 SC or 96 LC
Maximum number of splices	96
Adaptor type	SC simplex or LC duplex
Maximum number of adaptor positions	48
IP rating	No
UV stable	No
Material	ABS + PC and cold rolled steel
UL-94-V0	Yes
Colour (Other colours available subject to MOQ)	Light grey (RAL 7035) or black (RAL 9005)

Dimensions (mm)

44 mm H x 480 mm W x 255 mm D

Splitter Options

Features	Values
1:8 plc splitter	Maximum of 6
1:16 plc splitter	Maximum of 6
1:32 plc splitter	Maximum of 3

LC and SC APC Adaptor Specification

Features	Values
Insertion loss	< 0.2 dB
Durability (500 mating)	< 0.2 dB max increase
Operating temperature	-40°C to 80°C
Retention force	200 - 600 g
Alignment sleeve material	Ceramic
Flammability rated	UL-94-V0
Polish type	APC

Splitter Specification

Features	Values
	1x4 1x8 1x16
Operating wavelength	1260 to 1650
Fibre type	G.657.A2
Temperature stability (dB) at -40°C to 85°C	≤ 0.4 ≤ 0.5 ≤ 0.5
Storage temperature	-40°C to 85°C
Return loss	≥ 55 dB

Standards

Applicable standard	Detail
RoHS-II/-III (2011/65/EU & 2015/863): 2023	Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III).
WFD: 2023	Compliant to Waste Framework Directive

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SCIP: 2023

Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)

POPs (EU) No 2019/1021

EU Regulation for the restriction of Persistent Organic Pollutants.

Part Number Table

Part Number	Description
997-001	Encasa 24F 1U Pivot Panel with 24 SCA +24 Pigtails Right Hand Pivot
997-002	Encasa 48F 1U Pivot Panel with 48 SCA +48 Pigtails Right Hand Pivot
997-003	Encasa 96F 1U Pivot Panel with 96 LCA +96 Pigtails Right Hand Pivot

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

Contact us at sales@excel-networking.com

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