

1U 48 PORTS SC SX/LC DX BREAKOUT PIVOT PATCH PANEL – RP01xxx



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The NEXCONEC[®] 1U Breakout Pivot Patch Panel is a cutting-edge, high-density solution designed to accommodate 48 SC Simplex or LC Duplex adapters within a compact 1U space, supporting up to **96 fibers in LC** configuration. Engineered for efficiency, the panel tray ensures seamless organization of incoming fibers, pre-terminated cables, and pigtails.

Featuring a 120° pivoting tray, the panel allows effortless access for installation and maintenance without disrupting existing cables or fibers. Its innovative design includes a detachable transparent lid and a hinged drop-down door, enhancing visibility, simplifying labeling, and streamlining maintenance tasks. Integrated ventilation tracts promote continuous airflow, ensuring effective cooling for active equipment.

The pivot panel can be fully pre-loaded with the necessary adapters and pigtails, delivering a ready-to-use fiber management solution.

FEATURES

- ✓ Up to 48FO in SC or 96FO in LC within 1U Space
- ✓ Accepts loose tube, distribution and pre-terminated cables
- ✓ Standard 19" or 21" Rack mounting type
- ✓ High durability & light weight PC & PC+ABS material
- ✓ Transparent lid for easier maintenance and verification
- ✓ Enhanced labelling on the front door providing patch cords protection and better identification
- ✓ Available in shuttered dust proof LC adapters
- ✓ Simple and easy installation with integrated fiber routing
- ✓ Right or Left Hinged Swing-out

APPLICATIONS

- ✓ Datacenter storage area & Central office, POP
- ✓ Fiber to the home (FTTH)
- ✓ Ethernet, Fiber Channel, ATM, LAN, MAN and WAN
- ✓ Data communication and Telecommunication networks

PANEL SPECIFICATIONS

Parameters	Value
Mounting Type	Rack 19" or 21"
Opening Type	Right or Left Hinge Swing-out - 120° degrees
Access Type	Front and Side access
Front Cable Management	Front manager with Hinged transparent drop-down door
Cable Entry Direction	Side Cable Entry
Side Cable Management	Supports up to 8 tubes of 5mm
Slot Type	SC Simplex/ LC Duplex Footprint
Number of Ports	48 Ports
Fiber Capacity	48FO in SC, 96FO in LC
Splicing Kit <i>(Splice Kit Need to Order Separately)</i>	Supplied Separately, ref# KIT-SPROP1 <i>(4x Splice Holders, Foam insert, 100x Splice protectors 40mm, 1x metal comb holder, 5mm conduit slots)</i>
Accessories	Included in package: 4x Cage Nuts & Screws, 1x Side Cable Manager
Height Unit	1U
Dimensions (W x D x H in MM)	421.5 x 270.06 x 42.5 mm
Material	PC & PC + Fiber Glass (20%)
Housing Color	Black or Grey (RAL 7035)
Compliance	RoHS, REACH SvHC
Application	Indoor IP20
Lockable	No
Net Weight	2 Kg

PIGTAIL SPECIFICATIONS (SINGLE FERRULE CONNECTOR)

Parameters	IL – Max	IL – Typical	RL (PC/APC)
SM – Standard	≤ 0.30 dB	≤ 0.20 dB	> 55/65 dB
SM – Premium	≤ 0.15 dB	≤ 0.12 dB	> 55/65 dB
MM – Standard	≤ 0.30 dB	≤ 0.18 dB	> 28 dB
MM – Premium	≤ 0.15 dB	≤ 0.08 dB	> 28 dB

Note: Above Specifications are for Splicing Options.

PIGTAIL BUFFER CHARACTERISTICS

Parameters	Unit	Value (Simplex)
Nominal Buffer Diameter	μm	900 +50/-50
Crush Resistance	N/100mm	500
Maximum Tensile Load	N	6
Minimum Bending Radius	mm	15
Operating Temperature	°C	-20 ~ +60

Note: Above Specifications are for Splicing Options.

ORDER INFORMATION

Part Number	Product Description
RP01R	1U 48 Ports SC Simplex/LC Duplex Breakout Pivot Patch Panel (Right Side Bracket)
RP01L	1U 48 Ports SC Simplex/LC Duplex Breakout Pivot Patch Panel (Left Side Bracket)

*Ask sales for other products and configuration not shown. sales@nexconec.com

TECHNICAL DRAWING

