

3U 144 PORTS SC SX/LC DX PIVOT PATCH PANEL – PIV03



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NEXCONEC[®] 3U Pivot Patch Panel is a cutting-edge, super high density pivot panel designed to accept 24 SC Simplex/LC Duplex adapters in each of six ½ RU trays in the 3U space (**Up to 288FO in LC**). This innovative panel effectively organizes incoming fibers, pigtails, and splices. Each tray is designed with the convenience of 120° individual pivoting, ensuring hassle-free access during installation or rework, without any disruption to existing cables or fibers.

The remarkable design of the panel incorporates a detachable see-through lid and transparent hinged drop-down doors in each ½ RU trays for effortless accessibility, streamlining labeling and maintenance procedures. Incorporated ventilation pathways within the panel guarantee uninterrupted airflow, ensuring superior cooling for the active equipment with unparalleled efficiency.

The pivot panel can be pre-loaded completely with the required adapters and pigtails.

FEATURES

- ✓ 3U overall with six ½ RU individual trays
- ✓ Up to 288FO in LC on 3U
- ✓ 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/SC 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	Each tray supports up to 4 tubes of 5mm
Slot Type	SC Simplex/ LC Duplex Footprint
Number of Ports	144 Ports [6x (24 each ½ RU tray)]
Fiber Capacity	144FO in SC, 288FO in LC
Splicing	12x Splice Holder for 40/60mm Heat Shrink Splice Protectors <i>* Also Available in Ribbon Splice and Mechanical ANT Splice Protectors</i>
Accessories	Included in package: 8x Cage Nuts & Screws, 3x Side Cable Manager
Height Unit	3U
Dimensions (W x D x H in MM)	421.5 x 265.1 x 132.1 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	4 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

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

ORDER INFORMATION

Part Number	Product Description
PIV03R	3U 144 Ports SC Simplex/LC Duplex Pivot Patch Panel (Right Side Bracket)
PIV03L	3U 144 Ports SC Simplex/LC Duplex Pivot Patch Panel (Left Side Bracket)

* Add 'G' at the end of the Part Number for Telecom panels in Grey color. (Example: PIV03R**G** or PIV03L**G**)

CUSTOM PANEL KIT CONFIGURATOR

Panel Type	1	2	3	4
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Panel Type	1	Adapter Type	2	Adapter Count	3	Pigtails Type	4	Pigtails Loading Type		
PIV03R	LL	LC DX Blue	-	None	-	No Pigtails	-	Tight Buffer	-	FOTAG EIA/TIA 598 (1 Blue/ 2 Orange etc.)
PIV03L	LN	LC DX Green	144	144 Adapters	S1A1	SC/UPC SMF OS2	E	Easystrip	FT	France Telecom (1 Red, 2 Blue, etc.)
	SL	SC SX Blue			S2A1	SC/APC SMF OS2			PK	Included in pack, Uninstalled
	SN	SC SX Green			L1A1	LC/UPC SMF OS2				
					L2A1	LC/APC SMF OS2				

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

TECHNICAL DRAWING

