

ECS 1U 48-96 PORTS SC SX/LC DX PIVOT PATCH PANEL



Pivot Patch Panel is an innovative and high density design to accept 24 SC Simplex/LC Duplex adapters in each of two ½ RU trays within 1U space (**Up to 96FO in LC**). Each tray effectively manages the incoming fibers, pigtails and splices. Each tray offers individual pivoting up to 120° to ensure easy access during installation or rework without any interference with the existing cable or fibers.

The remarkable panel design includes a detachable see-through lid and a transparent hinged drop-down door to ensure easy access, simplifies labelling and maintenance routines. Ventilation tracts within the panel enable constant airflow, facilitating optimal cooling for the active equipment with utmost efficiency.

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

FEATURES

- ✓ 1U overall with ½ RU individual trays
- ✓ Up to 96FO in LC on 1U
- ✓ 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	48 Ports [2x (24 each ½ RU tray)]
Fiber Capacity	48FO in SC, 96FO in LC
Splicing	4x 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: 4x Cage Nuts & Screws, 1x Side Cable Manager
Height Unit	1U
Dimensions (W x D x H in MM)	421.5 x 265.1 x 43.5 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 (UPC/APC)
SM – Premium	≤ 0.15 dB	≤ 0.12 dB	> 55/65 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	$^{\circ}\text{C}$	-20 ~ +60

ORDER INFORMATION

Typ				Fiberantal	Fibertyp		Kontakt typ		Adapter typ	
P	S	Splice	-	48	A1	SM A1	LCU	LC/UPC	ID	Inbyggd dammlucka
				96	O4V	OM4 (E.V)	LCA	LC/APC	SD	Std. dammskydd
				144	O4Q	OM4 (Aqua)	SCU	SC/UPC		
				288	O5	OM5	SCA	SC/APC		

TECHNICAL DRAWING

