

3U MTP[®]/MPO (BASE-12) - LC/SC PIVOT PATCH PANEL – PIVM13xx



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NEXCONEC[®] 3U MTP[®]/MPO (Base-12) to LC/SC breakout pivot patch panel offers an expandable deployment for implementations in 40G/100G networks, in the meantime providing greater protection to the installed patch cords in main, horizontal and equipment area of data center. Each tray can populate up to **288FO in LC/144FO in SC** and 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.

FEATURES

- ✓ 3U overall with ½ RU individual trays
- ✓ Up to 288FO in LC/144FO in SC on 1U Space
- ✓ Standard 19" or 21" Rack mounting type
- ✓ High durability & light weight PC & PC+Fiber Glass 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
- ✓ Available in standard SM and MM options
- ✓ Simple and easy installation with integrated fiber routing
- ✓ Right or Left Hinged Swing-out

APPLICATIONS

- ✓ Indoor Applications
- ✓ Datacenter & Enterprise network
- ✓ 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 Left or Right
Side Cable Management	Each tray supports up to 6 MPO Trunks of 3mm
Front Adapter Type	LC Duplex/SC Simplex Footprint
Number of LC/SC Adapters	144 Ports [6x (24 each ½ RU tray)]
Inside Adapter Type	MTP®/MPO Base-12 Male (Pinned)
Number of MTP®/MPO Adapters	24 Ports [6x (4 each ½ RU tray)] for LC Configuration 12 Ports [6x (2 each ½ RU tray)] for SC Configuration
Fiber Capacity	288FO in LC/144FO in SC
Fiber Mapping	Polarity A/C and Polarity Universal B
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

MPO-LC/SC FANOUT SPECIFICATIONS

Parameters	Units	SM MPO	SM LC/SC	MM MPO	MM LC/SC
Avg/Max IL – Standard	dB	≤ 0.25/0.75	≤ 0.20/0.30	≤ 0.60	≤ 0.18/0.30
Return Loss (PC/APC)	dB	≥ 60	≥ 60/65	NA	NA
Avg/Max IL– Premium	dB	≤ 0.10/0.35	≤ 0.12/0.15	≤ 0.10/0.35	≤ 0.12/0.15
Return Loss (PC/APC)	dB	≥ 60	≥ 60/65	NA	NA

ORDER INFORMATION

Part Number	Product Description
PIVM13R	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC Duplex SM OS2 (Polarity A/C) Right Bracket
PIVM13UR	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC Duplex SM OS2 (Polarity Universal B) Right Bracket
PIVM13L	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC Duplex SM OS2 (Polarity A/C) Left Bracket
PIVM13UL	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC Duplex SM OS2 (Polarity Universal B) Left Bracket
PIVM14R	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC/APC Duplex SM OS2 (Polarity A/C) Right Bracket
PIVM14UR	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC/APC Duplex SM OS2 (Polarity Universal B) Right Bracket
PIVM14L	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC/APC Duplex SM OS2 (Polarity A/C) Left Bracket
PIVM14UL	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC/APC Duplex SM OS2 (Polarity Universal B) Left Bracket

PIVM15R	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC Duplex MM OM3/OM4 (Polarity A/C) Right Bracket
PIVM15UR	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC Duplex MM OM3/OM4 (Polarity Universal B) Right Bracket
PIVM15L	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC Duplex MM OM3/OM4 (Polarity A/C) Left Bracket
PIVM15UL	3U 288FO Pivot Patch Panel, 24x MPO(Male) Elite (Base-12) - LC Duplex MM OM3/OM4 (Polarity Universal B) Left Bracket
PIVM16R	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC Simplex SM OS2 (Polarity A/C) Right Bracket
PIVM16UR	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC Simplex SM OS2 (Polarity Universal B) Right Bracket
PIVM16L	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC Simplex SM OS2 (Polarity A/C) Left Bracket
PIVM16UL	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC Simplex SM OS2 (Polarity Universal B) Left Bracket
PIVM17R	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC/APC Simplex SM OS2 (Polarity A/C) Right Bracket
PIVM17UR	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC/APC Simplex SM OS2 (Polarity Universal B) Right Bracket
PIVM17L	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC/APC Simplex SM OS2 (Polarity A/C) Left Bracket
PIVM17UL	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC/APC Simplex SM OS2 (Polarity Universal B) Left Bracket
PIVM18R	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC Simplex MM OM3/OM4 (Polarity A/C) Right Bracket
PIVM18UR	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC Simplex MM OM3/OM4 (Polarity Universal B) Right Bracket
PIVM18L	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC Simplex MM OM3/OM4 (Polarity A/C) Left Bracket
PIVM18UL	3U 144FO Pivot Patch Panel, 12x MPO(Male) Elite (Base-12) - SC Simplex MM OM3/OM4 (Polarity Universal B) Left Bracket

* Add 'G' at the end of the Part Number for Telecom panels in Grey color. (Example: PIVM13R**G**, PIVM13UR**G**)

TECHNICAL DRAWING

