

## 1U MTP<sup>®</sup>/MPO (BASE-12) - LC/SC PIVOT PATCH PANEL – PIVM01xx



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NEXCONEC<sup>®</sup> 1U MTP<sup>®</sup>/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 **96FO in LC/48FO 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

- ✓ 1U overall with ½ RU individual trays
- ✓ Up to 96FO in LC/48FO 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
<b>Mounting Type</b>	Rack 19" or 21"
<b>Opening Type</b>	Right or Left Hinge Swing-out - 120° degrees
<b>Access Type</b>	Front and Side access
<b>Front Cable Management</b>	Front manager with Hinged transparent drop-down door
<b>Cable Entry Direction</b>	Side Cable Entry Left or Right
<b>Side Cable Management</b>	Each tray supports up to 6 MPO Trunks of 3mm
<b>Front Adapter Type</b>	LC Duplex/SC Simplex Footprint
<b>Number of LC/SC Adapters</b>	48 Ports [2x (24 each ½ RU tray)]
<b>Inside Adapter Type</b>	MTP®/MPO Base-12 Male (Pinned)
<b>Number of MTP®/MPO Adapters</b>	8 Ports [2x (4 each ½ RU tray)] for LC Configuration 4 Ports [2x (2 each ½ RU tray)] for SC Configuration
<b>Fiber Capacity</b>	96FO in LC/48FO in SC
<b>Fiber Mapping</b>	Polarity A/C and Polarity Universal B
<b>Height Unit</b>	1U
<b>Dimensions (W x D x H in MM)</b>	421.5 x 265.1 x 43.5 mm
<b>Material</b>	PC & PC + Fiber Glass (20%)
<b>Housing Color</b>	Black or Grey (RAL 7035)
<b>Compliance</b>	RoHS, REACH SvHC
<b>Application</b>	Indoor IP20
<b>Lockable</b>	No
<b>Net Weight</b>	2.5 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
<b>PIVM01R</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC Duplex SM OS2 (Polarity A/C) Right Bracket
<b>PIVM01UR</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC Duplex SM OS2 (Polarity Universal B) Right Bracket
<b>PIVM01L</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC Duplex SM OS2 (Polarity A/C) Left Bracket
<b>PIVM01UL</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC Duplex SM OS2 (Polarity Universal B) Left Bracket
<b>PIVM02R</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC/APC Duplex SM OS2 (Polarity A/C) Right Bracket
<b>PIVM02UR</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC/APC Duplex SM OS2 (Polarity Universal B) Right Bracket
<b>PIVM02L</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC/APC Duplex SM OS2 (Polarity A/C) Left Bracket
<b>PIVM02UL</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC/APC Duplex SM OS2 (Polarity Universal B) Left Bracket

<b>PIVM03R</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC Duplex MM OM3/OM4 (Polarity A/C) Right Bracket
<b>PIVM03UR</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC Duplex MM OM3/OM4 (Polarity Universal B) Right Bracket
<b>PIVM03L</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC Duplex MM OM3/OM4 (Polarity A/C) Left Bracket
<b>PIVM03UL</b>	1U 96FO Pivot Patch Panel, 8x MPO(Male) Elite (Base-12) - LC Duplex MM OM3/OM4 (Polarity Universal B) Left Bracket
<b>PIVM04R</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC Simplex SM OS2 (Polarity A/C) Right Bracket
<b>PIVM04UR</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC Simplex SM OS2 (Polarity Universal B) Right Bracket
<b>PIVM04L</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC Simplex SM OS2 (Polarity A/C) Left Bracket
<b>PIVM04UL</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC Simplex SM OS2 (Polarity Universal B) Left Bracket
<b>PIVM05R</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC/APC Simplex SM OS2 (Polarity A/C) Right Bracket
<b>PIVM05UR</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC/APC Simplex SM OS2 (Polarity Universal B) Right Bracket
<b>PIVM05L</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC/APC Simplex SM OS2 (Polarity A/C) Left Bracket
<b>PIVM05UL</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC/APC Simplex SM OS2 (Polarity Universal B) Left Bracket
<b>PIVM06R</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC Simplex MM OM3/OM4 (Polarity A/C) Right Bracket
<b>PIVM06UR</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC Simplex MM OM3/OM4 (Polarity Universal B) Right Bracket
<b>PIVM06L</b>	1U 48FO Pivot Patch Panel, 4x MPO(Male) Elite (Base-12) - SC Simplex MM OM3/OM4 (Polarity A/C) Left Bracket
<b>PIVM06UL</b>	1U 48FO Pivot Patch Panel, 4x 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: PIVM01R**G**, PIVM01UR**G**)

TECHNICAL DRAWING

