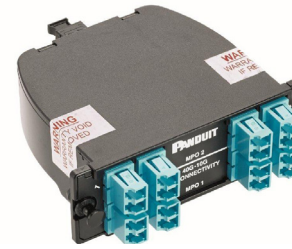


technical information

The Opticom Base-16 MPO to LC Cassettes facilitates the breakout of an APC MPO-16 to 8 duplex LC connectors. This allows for the breakout of 8 lane parallel optic applications (i.e., 400G-SR8, 800GBASE-DR8, and 800G-SR8). For example, a single MPO connector running 800GBASE-DR8 is broken out into 8 lanes of 100GBASE-DR on duplex LCs. These ultra-high bandwidth applications are used for high-speed switch to switch links, and to support artificial intelligence (AI) and machine learning (ML) applications. All cassettes are factory terminated and tested to deliver verified optical performance and reliability for quick deployment and improved network integrity.



applications

Allows system designers to tailor configuration and reach to application requirements; to minimize waste, optimize cable management, speed deployment, and improve flexibility and manageability for lower installation costs.

construction

Fiber count:	16
Fiber types:	Multimode: OM4 50/125 μ m OM4+ 50/125 μ m OM5 50/125 μ m SingleMode: OS2 9/125 μ m
Front connectivity:	8 x LC Duplex connectors Multimode with PC Polish Singlemode with UPC Polish
Rear MTP* connectivity:	1 x MPO-16 APC, Male (pinned) Connector
Split sleeve material (SC or LC adapters):	Zirconia ceramic

standards

Connectivity meets or exceeds TIA/EIA-568-C.3 performance requirements. Supports IEEE 802.3 and ANSI T11.2 channel and link specifications. Compliant with ROHS 2002/95/EC.

environmental properties

Operating temperature:	Room Temperature	0°C to +70°C (32°F to 158°F)
Storage and shipping temperature:		-40°C to +75°C (-40°F to 167°F)

performance properties

Insertion loss (Link loss):	Standard Loss - SM (per channel): 1.2dB max. Optimized Loss - MM (per channel): 0.5dB max.
Return loss:	Per channel: >55dB Singlemode >30dB Multimode
Connector durability:	Durability: 500 mating cycles

*MTP is a registered trademark of US Conec Ltd.

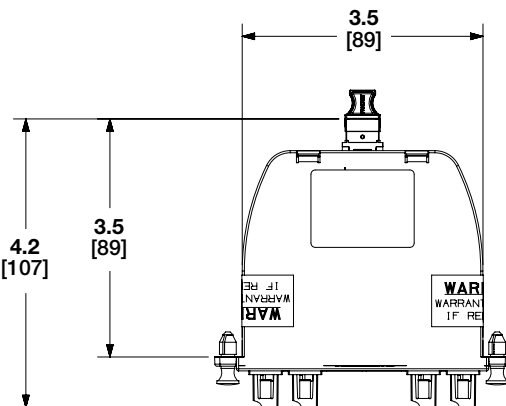
Base 16 Opticom MPO to LC Cassettes

part number configurator

FC3ZO-16M-10U2 - Opticom MPO-16 Male APC to LC Cassette, OM4 Optimized IL, Universal Pair Flipped

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	C	3	Z	O	-	1	6	M	-	1	0	U	2	
	1 – Fiber Product F = Fiber	2 – Product C = Cassette	3 – Generation 3 = 8-to-1 Breakout	4 – Fiber Type 9 = OS2 Singlemode 9/125µm S = OM4+ 50/125 µm W = OM5 50/125 µm Z = OM4 50/125µm	5 – Fiber Performance N = Standard - SM O = Optimized	6 – Dash	7 and 8 – Numbers of Fibers 16 = 16-Fiber total	9 – Rear Adapter Type M = MPO-16 Male Pinned Adapter - (APC)	10 – Dash	11 and 12 – Front Adapter Type 10 = Duplex LC Adapter	13 and 14 – Polarity U = Universal U2 = Universal (pair flipped)				

QuickNet™ MTP* Fiber Optic Cassettes



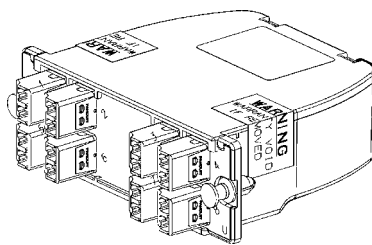
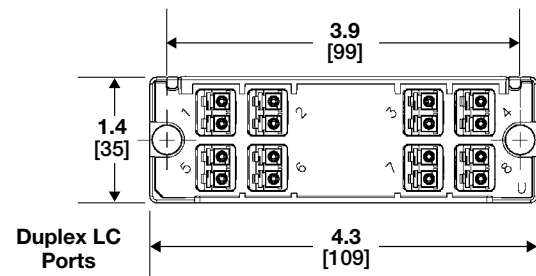
8 to 1 Breakout Cassette Fiber pin-out																
Method U																
LC Port Number	1		2		3		4		5		6		7		8	
	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A
MPO* Fiber Position	1	16	2	15	3	14	4	13	5	12	6	11	7	10	8	9

*Key Up/Key Down Adapter (Black Color) - Requires Method B MPO Connectivity

Opticom Method U2 16f Cassette																
Method U2																
LC Port Number	1		2		3		4		5		6		7		8	
	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A
MPO* Fiber Position	16	1	15	2	14	3	13	4	12	5	11	6	10	7	9	8

*Key Up/Key Down Adapter (Black Color) - Requires Method B MPO Connectivity

**Please see Panduit.com for the Base 16 Application guide for help choosing the correct polarity



*MTP is a registered trademark of US Conec Ltd.

Dimensions are in inches. [Dimensions in brackets are metric].

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