SPECIFICATIONS

MTP* Front Access Fiber Optic Cassettes shall consist of pre-terminated and tested MPO and LC adapters for quick and easy deployment in server rack applications, where access to the rear of the cassette may be challenging. These 4-to-1 conversion cassettes are designed to breakout an 8-fiber MPO into four (4) discrete channels using duplex LC connectors. The cassettes comply with all multimode and singlemode requirements and are wired Universal for 4-to-1 breakouts. MTP Fiber Optic Cassettes are available with a standard channel insertion loss of 0.75dB max and an optimized loss of 0.5dB max. Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme..

CONSTRUCTION

Fiber count:	8 and 16	
Fiber types:	Multimode: OM4 50/125µm	Singlemode: OS1/OS2 9/125µm
Front connectivity:	LC Duplex: Multimode with PC Polish Singlemode with UPC Polish	MTP adapter(s) with Male ferrules (pins): Multimode with PC Polish Singlemode with APC Polish
Split sleeve material (SC or LC adapters):	Zirconia ceramic	
Rear MTP connectivity:	Not applicable	

*MTP is a registered trademark of US Conec Ltd.

ENVIRONMENTAL PROPERTIES

Operatingtemperature:	0°C to 70°C (32°F to 158°F)
Storage and shippingtemperature:	-40°C to 75°C (-40°F to 167°F)

PERFORMANCE PROPERTIES

Insertion loss(Link loss):	Ultra Low Loss (Multimode only) (per channel): 0.35dB max. Optimized Loss (per channel): 0.5dB max. Standard Loss (per channel): 0.75dB max.
Return loss:	Per channel: >26dB (OM4) 55dB (OS2)

STANDARDS

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

APPLICATIONS

Application areas include server cabinets, or other areas of the data center when access to the rear of the cassette (MPO connector) may be challenged.

ORDERING INFORMATION

Part Number	Form Factor	Fiber Type	LC Connectivity	MPO Connectivity	Fiber Count	Insertion Loss (dB Max)	Polarity
FHCF9N-08-10U2	HD Flex®	OS2	4 LC Duplex	1 MPO	8	0.75	Universal (U2) 4-1 Breakout (uses B connectivity)
FHCF9O-08-10U2						0.5	
FHCFSA-08-10U2		OM4+				0.35	
FHCFZA-08-10U2		OM4					
FHCFZO-08-10U2						0.5	
FCF3ZO-16-10U2	OptiCom®	OM4	8 LC Duplex	2 MPO	16	0.5	
FCF39N-16-10U2		OS2				0.75	
FQF3ZO-08-10U2	QuickNet® SFQ	OM4	4 LC Duplex	1 MPO	8	0.5	
FQF39N-08-10U2		OS2				0.75	

Front Access 4-to-1 Breakout Cassette

SFQ Method U2 8f Cassette							
1		**2**		3		4	
LC Port Number: A	B	A	B	A	B	A	B
MPO* Fiber Position: 1	12	2	11	3	10	4	9

Opticom Method U2 16f Cassette															
MPO #1								MPO #2							
1		**2**		3		4		**1**		**2**		3		4	
LC Port Number: A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MPO* Fiber Position: 12	1	11	2	10	3	9	4	12	1	11	2	10	3	9	4

HD Flex Method U2 8f Cassette							
1		**2**		3		4	
LC Port Number: A	B	A	B	A	B	A	B
MPO* Fiber Position: 12	1	11	2	10	3	9	4

ENGINEERING DRAWINGS
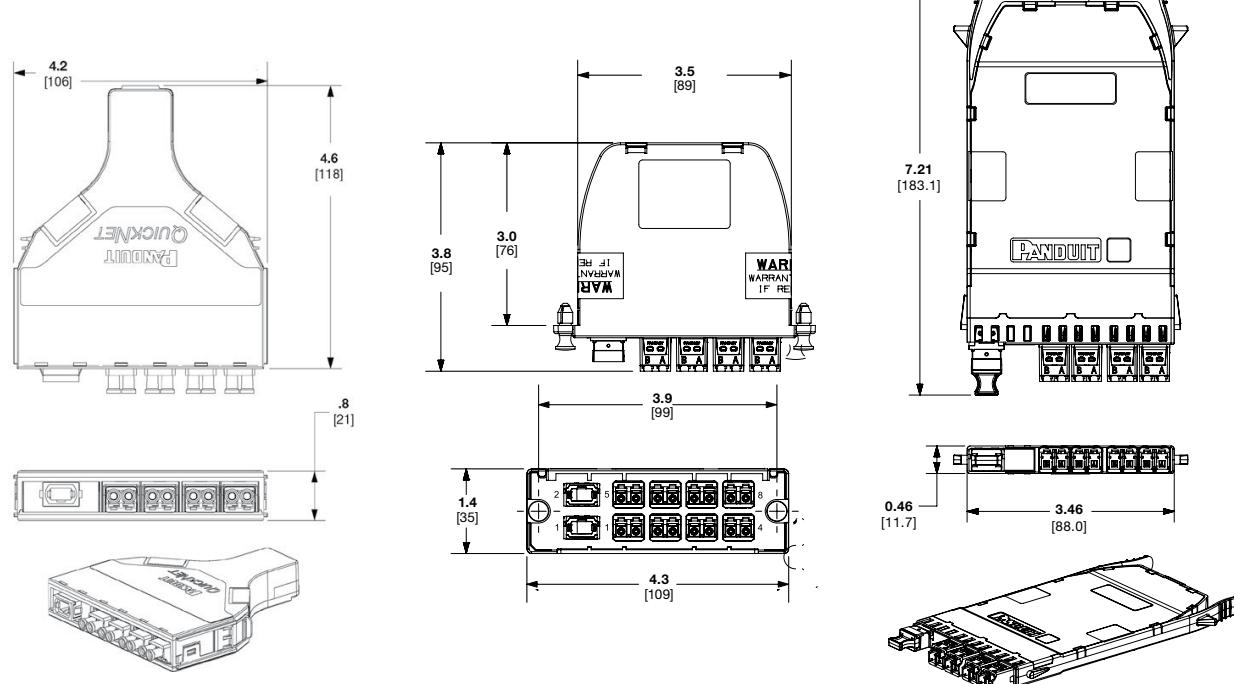
Dimensions are in inches. [Dimensions in brackets are in millimeters].

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

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Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300