DENALI® MPO Fanout Cassettes

DENALI MPO Fanout Cassettes are a pre-terminated plug-and-play solution designed to support incremental growth or a full-scale deployment in data center and enterprise applications. These cassettes are offered in a range of MPO-LC fanout configurations and are compatible with all standard DENALI housings. They can be independently installed from the front or rear onto a sliding tray system which allows access to individual connections while minimizing disruption to other fiber connections.



Features

- **High Density**
  - Available in Base-8, Base-12, Base-16, and Base-24
  - Up to 12 LC ports per cassette
- **Seamless Integration**
  - Polarity F – polarity is managed in the cassette meaning same cassette orientation can be used at both ends of the link
  - Cassettes can be installed from the front or rear of the housing
- **Shuttered LC Adapters**
- **Low-Loss MT Ferrules**

Benefits

- **Maximize Fiber Density**
  - Modular cassettes allow you to scale density as and when needed
- **Network Speeds from 10G to 400G and beyond**
  - Cassettes can be used throughout multiple active equipment upgrades in order to futureproof your network
  - Facilitates upgrade path to parallel optic transmission
  - Armed for future growth
- **Fast, One-Person Installation**
  - Faster patching with shuttered adapter
  - Factory terminated and tested for immediate plug-and-play deployment

Applications

- Hyperscale
- AI/ML
- Colocation
- Campus
- Central Office
- Office Backbone

Optical Performance Data

Parameter	Single-mode Fiber (OS2)	Single-mode Fiber (OS2)	Multimode Fiber (OM3/4)
	LC/UPC - MPO	LC/APC - MPO	LC/PC - MPO
Max IL (dB)	0.55	0.60	0.45
Typical IL (dB)	0.35	0.35	0.30
Reflectance (dB)	-55	-60	-20
Dimensions (L x W) (mm)	132.5 x 94	132.5 x 94	132.5 x 94
Color	Blue - Black	Green - Black	Aqua - Black

Ordering Information

DC	FC	1	MUD	12	ALC	SM	MF
DC = DENALI Cassette	**Cassette Type**	**Rear Adapter Count**	**Rear Adapter**	**Front Fiber Count**	**Front Adapter**	**Fiber Type**	**Polarity**
	FC = Fanout Cassette	1	MUD = MPO KEY UP KEY DOWN	8	ALC = LC APC	SM	MF = METHOD F
		2	MUU = MPO KEY UP KEY UP	12	ULC = LC UPC	OM3	MA = METHOD A
		3		16	PLC = LC PC	OM4	
		4		24	MUD = MPO KEY UP KEY DOWN	OM5	
		5		48	MUU = MPO KEY UP KEY UP		
		6			USN = SN SM UPC		
					PSN = SN MM		

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Sales & Support

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Ordering Information

Category	Description	AFL No.
BASE-8	DENALI FANOUT CASSETTE, 8 FIBER, LC/UPC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-8ULC-SM-MF
	DENALI FANOUT CASSETTE, 8 FIBER, LC/APC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-8ALC-SM-MF
	DENALI FANOUT CASSETTE, 8 FIBER, LC/PC, OM3, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-8PLC-OM3-MF
	DENALI FANOUT CASSETTE, 8 FIBER, LC/PC, OM4, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-8PLC-OM4-MF
BASE-12	DENALI FANOUT CASSETTE, 12 FIBER, LC/UPC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-12ULC-SM-MF
	DENALI FANOUT CASSETTE, 12 FIBER, LC/APC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-12ALC-SM-MF
	DENALI FANOUT CASSETTE, 12 FIBER, LC/PC, OM3, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-12PLC-OM3-MF
	DENALI FANOUT CASSETTE, 12 FIBER, LC/PC, OM4, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-12PLC-OM4-MF
	DENALI FANOUT CASSETTE, 24 FIBER, SN/UPC, SM, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-24USN-SM-MF
	DENALI FANOUT CASSETTE, 24 FIBER, SN/PC, OM4, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-24PSN-OM4-MF
	DENALI FANOUT CASSETTE,FRONT 8 FIBER, LC/UPC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-XXXX-8ULC-SM-MF-R
BASE-16	DENALI FANOUT CASSETTE, 16 FIBER, LC/UPC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-16ULC-SM-MF
	DENALI FANOUT CASSETTE, 16 FIBER, LC/APC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-16ALC-SM-MF
	DENALI FANOUT CASSETTE, 16 FIBER, LC/PC, OM3, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-16PLC-OM3-MF
	DENALI FANOUT CASSETTE, 16 FIBER, LC/PC, OM4, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-16PLC-OM4-MF
	DENALI FANOUT CASSETTE, 16 FIBER, LC/UPC, SM, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-16ULC-SM-MF
	DENALI FANOUT CASSETTE, 16 FIBER, LC/APC, SM, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-16ALC-SM-MF
	DENALI FANOUT CASSETTE, 16 FIBER, LC/PC, OM3, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-16PLC-OM3-MF
	DENALI FANOUT CASSETTE, 16 FIBER, LC/PC, OM4, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-16PLC-OM4-MF
	DENALI FANOUT CASSETTE, 16 FIBER, SN/UPC, SM, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-16USN-SM-MF
	DENALI FANOUT CASSETTE, 16 FIBER, SN/PC, OM4, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-16PSN-OM4-MF
	DENALI FANOUT CASSETTE, 16 FIBER, SN/UPC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-16USN-SM-MF
	DENALI FANOUT CASSETTE, 16 FIBER, SN/PC, OM4, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-16PSN-OM4-MF
BASE-24	DENALI FANOUT CASSETTE, 24 FIBER, LC/UPC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-24ULC-SM-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/APC, SM, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-24ALC-SM-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/PC, OM3, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-24PLC-OM3-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/PC, OM4, 1 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-1MUD-24PLC-OM4-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/UPC, SM, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-24ULC-SM-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/APC, SM, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-24ALC-SM-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/PC, OM3, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-24PLC-OM3-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/PC, OM4, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-24PLC-OM4-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/UPC, SM, 3 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-3MUD-24ULC-SM-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/APC, SM, 3 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-3MUD-24ALC-SM-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/PC, OM3, 3 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-3MUD-24PLC-OM3-MF
	DENALI FANOUT CASSETTE, 24 FIBER, LC/PC, OM4, 3 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-3MUD-24PLC-OM4-MF
	DENALI FANOUT CASSETTE, 48 FIBER, SN/UPC, SM, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-48USN-SM-MF
	DENALI FANOUT CASSETTE, 48 FIBER, SN/PC, OM4, 2 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-2MUD-48PSN-OM4-MF
	DENALI FANOUT CASSETTE, 48 FIBER, SN/UPC, SM, 4 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-4MUD-48USN-SM-MF
	DENALI FANOUT CASSETTE, 48 FIBER, SN/PC, OM4, 4 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-4MUD-48PSN-OM4-MF
	DENALI FANOUT CASSETTE, 48 FIBER, SN/UPC, SM, 3 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-3MUD-48USN-SM-MF
	DENALI FANOUT CASSETTE, 48 FIBER, SN/PC, OM4, 3 PORT, PINNED MPO, OPPOSED KEY, METHOD F	DC-FC-3MUD-48PSN-OM4-MF

Qualifications

Governing Body	Standard Code
RoHS	Compliant
REACH	Compliant

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