DENALI® Patch Cassettes

DENALI Patch Cassettes enable high-density, high-performance fiber interconnects for data center and enterprise environments. Designed for seamless integration with MPO Trunk Assemblies, Patch Cords, and Fanouts, these Cassettes simplify network scaling while maximizing rack space.

DENALI Patch Cassettes are fully compatible with all DENALI Housings. Front and rear adapter access supports efficient cross-connection, while the compact footprint enhances fiber management in high-density deployments.

Globally available in a variety of configurations, DENALI Patch Cassettes streamline installation, reduce infrastructure complexity, and deliver consistent network performance.



Features

- **High-Density Connectivity**
  - Up to 12 LC ports (24 fibers) per cassette
  - Base-8, Base-12, Base-16, and Base-24 configurations
- **Designed for Seamless Integration**
  - Front or rear cassette loading for flexible installation
  - Shuttered LC Adapters to improve laser safety and reduce dirt/ contamination ingress

Benefits

- **Scalable by Design**
  - Enables speeds from 10G to 800G and beyond
  - Modular form factor supports incremental or full-scale growth
  - Future-ready for equipment upgrades and parallel optic architectures
- **Optimized for Plug-and-Play Simplicity**
  - Faster patching with shuttered adapters (LC only) and optimized finger access
- **Consistent Performance at Global Scale**
  - Maintains low-loss, high-density performance across global deployments
  - Compatible with DENALI sliding tray system for efficient cable management

Applications

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

Optical Performance

Connector Mating	Insertion Loss Average	Insertion Loss Max	Return Loss
LC Premium Low Loss (MM)	0.08 dB	0.15 dB	N/A
LC Premium Low Loss (SM)	0.12 dB	0.15 dB	≤ -60 dB

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Specifications are subject to change without notice.

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Sales & Support

DENALI® Patch Cassettes

Ordering Information

DC – **PC** – **4** – **ALC** – **SM**

DC	Cassette Type	Front Adapter/Port Count	Adapter Type	Fiber Type
DC = DENALI Cassette	PC = Patch Cassette	4	ALC = LC APC	SM
		6	ULC = LC UPC	OM3
		8	PLC = LC PC	OM4
		12	MUD = MPO KEY UP KEY DOWN	OM5
		16	MUU = MPO KEY UP KEY UP	ALL
		24	USN = SN SM UPC	
		48	PSN = SN MM	

Category	Description	AFL No.
BASE-8	DENALI PATCH CASSETTE, 8 FIBER, LC/UPC, SM	DC-PC-8ULC-SM
	DENALI PATCH CASSETTE, 8 FIBER, LC/APC, SM	DC-PC-8ALC-SM
	DENALI PATCH CASSETTE, 8 FIBER, LC/PC, OM3	DC-PC-8PLC-OM3
	DENALI PATCH CASSETTE, 8 FIBER, LC/PC, OM4	DC-PC-8PLC-OM4
	DENALI PATCH CASSETTE, 4 PORT, MPO, OPPOSED KEY	DC-PC-4MUD-ALL
BASE-12	DENALI PATCH CASSETTE, 12 FIBER, LC/UPC, SM	DC-PC-12ULC-SM
	DENALI PATCH CASSETTE, 12 FIBER, LC/APC, SM	DC-PC-12ALC-SM
	DENALI PATCH CASSETTE, 12 FIBER, LC/PC, OM3	DC-PC-12PLC-OM3
	DENALI PATCH CASSETTE, 12 FIBER, LC/PC, OM4	DC-PC-12PLC-OM4
	DENALI PATCH CASSETTE, 6 PORT, MPO, OPPOSED KEY	DC-PC-6MUD-ALL
	DENALI PATCH CASSETTE, 4 PORT, MPO, OPPOSED KEY,BLANK	DC-PC-4MUD-ALL-MT
BASE-16	DENALI PATCH CASSETTE, 16 FIBER, LC/UPC, SM	DC-PC-16ULC-SM
	DENALI PATCH CASSETTE, 16 FIBER, LC/APC, SM	DC-PC-16ALC-SM
	DENALI PATCH CASSETTE, 16 FIBER, LC/PC, OM3	DC-PC-16PLC-OM3
	DENALI PATCH CASSETTE, 16 FIBER, LC/PC, OM4	DC-PC-16PLC-OM4
	DENALI PATCH CASSETTE, 8 PORT, MPO, OPPOSED KEY	DC-PC-8MUD-ALL
BASE-24	DENALI PATCH CASSETTE, 24 FIBER, LC/UPC, SM	DC-PC-24ULC-SM
	DENALI PATCH CASSETTE, 24 FIBER, LC/APC, SM	DC-PC-24ALC-SM
	DENALI PATCH CASSETTE, 24 FIBER, LC/PC, OM3	DC-PC-24PLC-OM3
	DENALI PATCH CASSETTE, 24 FIBER, LC/PC, OM4	DC-PC-24PLC-OM4
	DENALI PATCH CASSETTE, 12 PORT, MPO, OPPOSED KEY	DC-PC-12MUD-ALL

Qualifications

Governing Body	Standard Code
RoHS	Compliant
REACH	Compliant

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