HD CASSETTE TRANSITION 16FO (BASE-8) MPO-LC - MP4CAxxQ

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NEXCONEC® MPO Transition HD Cassettes are pre-terminated front-patching modules featuring MPO-LC fanouts, specifically designed for seamless interconnection between backbone networks and discrete connections in 40G/100G applications. These high-density MPO-LC cassettes are engineered to integrate effortlessly with all NEXCONEC® HD series panels. These cassettes deliver reliability, ease of deployment, and high performance for modern network environments.

The MPO and single ferrule connectors are available in Standard and Elite versions to cater customer's power budget requirements. For 40G to 10G transitions, each cassette accommodates 2x (Base-8) MPO-LC fanouts, with MPO and LC ports conveniently accessible from the front.

FEATURES

✓ Conform to IEC, EIA-TIA, and Telcordia performance requirements

✓ Available in shuttered dust proof LC and MPO adapters

✓ Available in standard Single mode and Multimode fiber options

✓ Suitable for 40G to 10G and 100G to 25G transition

✓ RoHS, REACH & SVHC compliant, Materials Conflict compliant

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APPLICATIONS

- ✓ Telecommunication networks
- ✓ Data centers, Co-location DC
- ✓ LAN or Campus Wide Network
- ✓ Broadband network
- ✓ Supports SFP, QSFP, CFP applications
- ✓ 100G to 25G/ 40G to 10G transition

SPECIFICATIONS

Footprint	HD MP4
Dimensions (WxDxH)	106 x 130 x 35.30 mm
Material	Cold Rolled Steel
Housing Color	Black
Application	HD Panels
Patching Type	Front Patching Module
Fiber Capacity	16FO
Adapters Ports	1x MPO Duplex, 4x LC Quad
Weight	0.25 Kg

PERFORMANCE

Parameters	Units	SM MPO	SM LC	MM MPO	MM LC
Avg/Max IL – Standard	dB	≤ 0.25/0.75	≤ 0.20/0.30	≤ 0.20/0.60	≤ 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

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ORDER INFORMATION

Product	Part Number	Product Description
	MP4CA05Q	HD Transition Module (40G-10G) 16FO SMF OS2 LC - 2xMPO(M) Elite Base-8 Front Patch
	MP4CA06Q	HD Transition Module (40G-10G) 16FO MM OM4 LC - 2xMPO(M) Elite Base-8 Front Patch

RELATED PRODUCTS AND ACCESSORIES

Product	Part Number	Product Description
	MP4PP01	1U 4 Slots HD Modular Fixed Frame
	MP4PP02	1U 4 Slots HD Modular Sliding Patch Panel Unloaded (No front Management)
	MP4PP03	1U 4 Slots HD Modular Sliding Patch Panel Unloaded (Including Front Management)
	MP4PP04	1U 4 Slots HD Modular Fixed Frame (Including Front Management)

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	HD3	3U 12 Slots HD Modular Fixed Frame (Including Front Management)
	MP4BK01	Zero RU HD Bracket, 1 Slot (Unloaded)

TECHNICAL DRAWING