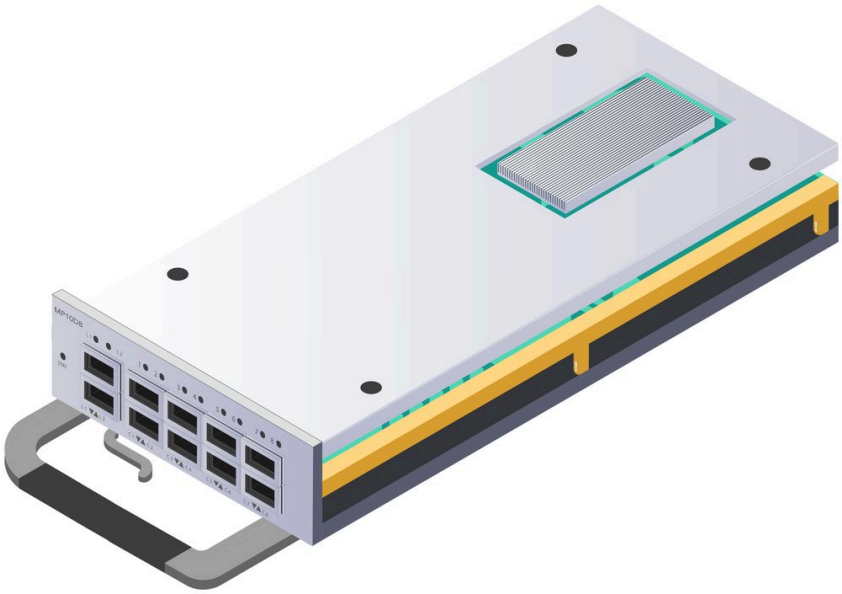
nex·gen

OTN SYSTEMS DCI PLATFORMS

10G Muxponder, 8×2.5G to 2×10G (SFP+) for DCI Chassis

This enhanced 8-channel, arbitrary-rate service aggregation and wavelength conversion card converts Any service (125 Mbit/s to 10.51 Gbit/s) to OTU2(e), across three working modes: a single 10G client to a single OTU2/OTU2e line, eight 2.5G clients to two independent OTU2 lines for full capacity, or four 2.5G clients to one OTU2 line with intra-board 1+1 protection. The single-slot card fits the OTN DCI platform range.



HIGHLIGHTS

Three working modes

Runs as 1×10G to 1×OTU2/OTU2e, as 8×2.5G to 2×OTU2 for maximum capacity, or as 4×2.5G to 1×OTU2 with intra-board 1+1 protection.

Broad low-rate service support

Carries FE, GbE, 10GbE, STM-1/4/16/64, Fibre Channel up to 1200, and OTU1/OTU2/OTU2e.

Truly any-rate clients

Eight SFP/SFP+ client ports each accept any service from 125 Mbit/s to 10.51 Gbit/s, independent of protocol.

Deep performance visibility

Monitors line- and client-side performance and alarms, Ethernet RMON, optical-module health, ODU-layer delay measurement, and telemetry.

Compact, low-power footprint

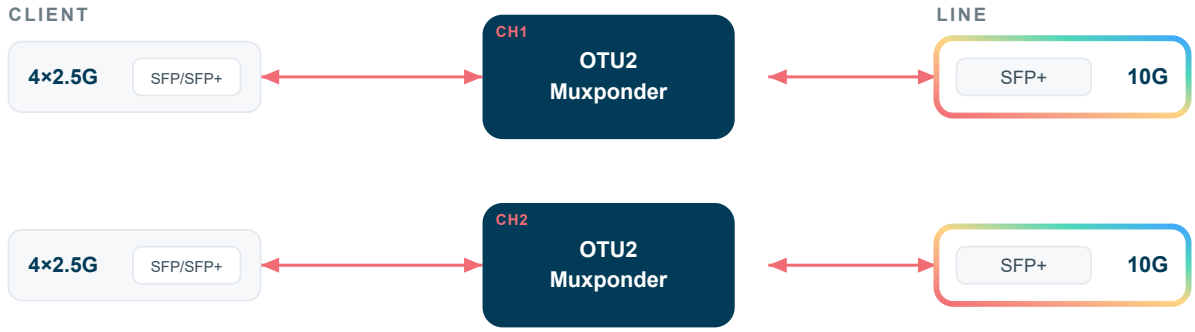
A single-slot card compatible with both DCI chassis, drawing under 35 W with the optical modules fitted.

FUNCTIONAL STRUCTURE

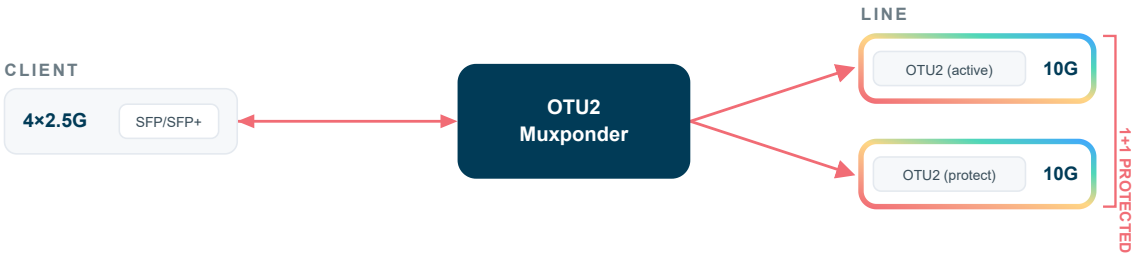
MODE 1 1×10G Any client mode (single client and single line port, remaining ports unused)



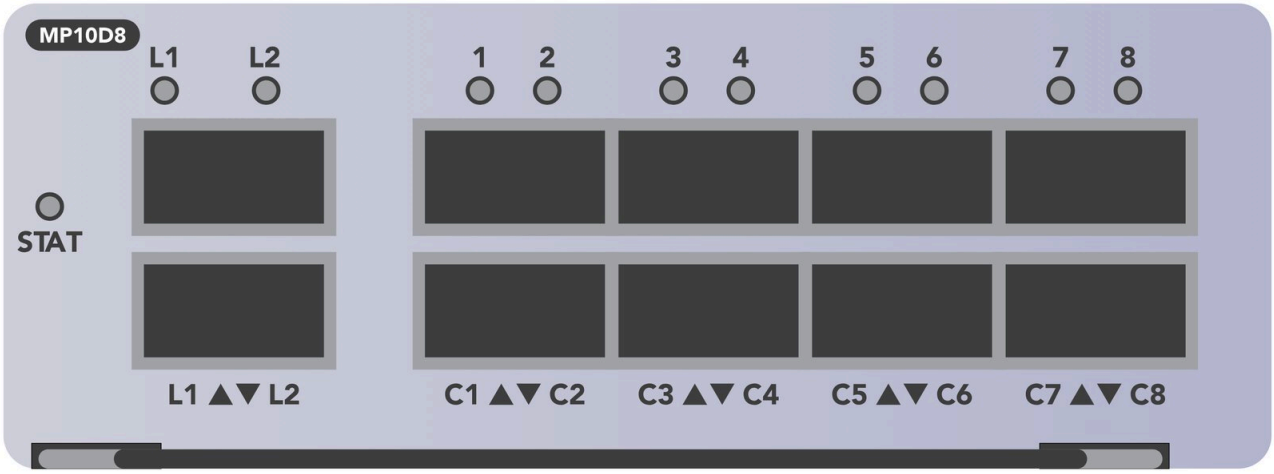
MODE 2 8×2.5G Any client mode (full capacity, two independent OTU2 line channels, no protection)



MODE 3 4×2.5G Any client mode, intra-board 1+1 protection (half the client ports vs. the full-capacity mode; the second line port carries a protected copy of the same OTU2 signal instead of independent capacity)



FRONT PANEL



FORMAT

CARD FOR DCI CHASSIS 1 SLOT

SPECIFICATIONS

Line Side	
Interfaces	2 × SFP+, hot-swappable
Line Rate	10G per port (OTU2/OTU2e)

Client Side	
Interfaces	8 × SFP/SFP+, hot-swappable
Supported Services	FE, GbE, 10GbE, STM-1, STM-4, STM-16, STM-64, Fibre Channel 100/200/800/1200, OTU1, OTU2, OTU2e
Working Mode	1×10G Any to 1×OTU2/OTU2e · 8×2.5G Any to 2×OTU2 · 4×2.5G Any to 1×OTU2 (intra-board 1+1 protection)

OAM & Monitoring	
Latency Measurement	Online delay measurement based on the ODU layer, line-side
Loopback	Inner and outer loopback, line-side and client-side
ALS	Client-side support, non-OTN service types
Intra-Board 1+1 Protection	Supported in 4×2.5G Any to 1×OTU2 working mode
Performance Monitoring	Line- and client-side performance and alarm monitoring, Ethernet RMON, optical-module temperature/current/voltage/power, telemetry

Mechanical & Power	
Slots Occupied	1 (compatible with the OTN DCI platform range)
Maximum Power Consumption	< 35 W (typical)

ORDERING INFORMATION

NAME	10G Muxponder, 8×2.5G to 2×10G (SFP+) for DCI Chassis
DESCRIPTION	10G muxponder card, 1 slot. Enhanced 8-channel arbitrary-rate service aggregation and wavelength conversion, converting Any service (125 Mbit/s - 10.51 Gbit/s) to OTU2(e); 8x SFP/SFP+ clients, 2x SFP+ line ports; supports FE, GbE, 10GbE, STM-1/4/16/64, Fibre Channel up to 1200, and OTU1/OTU2/OTU2e, across three working modes including intra-board 1+1 protection.
PART NUMBER	**DCI-MP-SFP-2x10G-8x2.5G-1S**

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