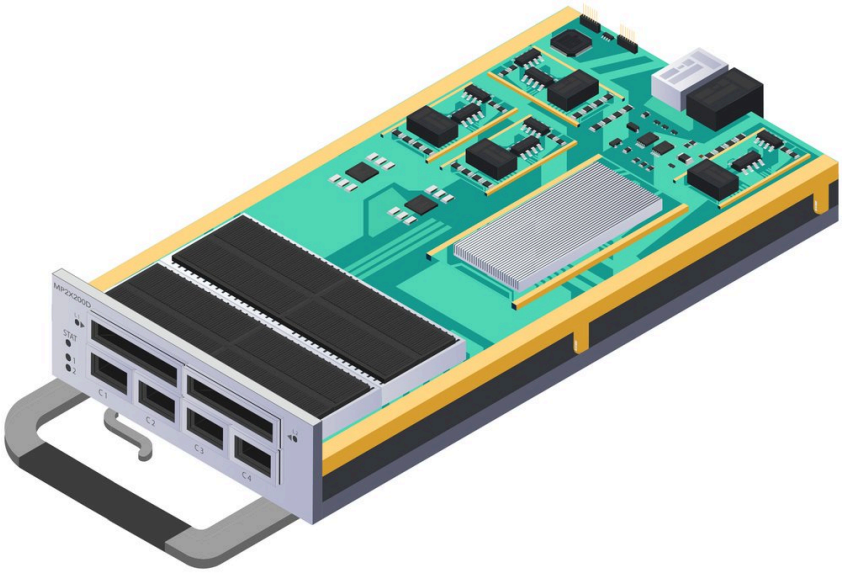
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OTN SYSTEMS DCI PLATFORMS

2×200G Coherent Muxponder, 2×2×100G to 2×200G (CFP2) for DCI Chassis

This 2×200G coherent muxponder service card multiplexes four 100GbE or OTU4 clients, two per channel, onto two independent 200G coherent line wavelengths over pluggable CFP2 DCOs, with 100G/200G programmable line rate and full C-band tunability for metro and long-haul DCI transport. The single-slot card fits the OTN DCI platform range.



HIGHLIGHTS

Two independent 2×100G to 200G engines

Two self-contained muxponder channels, each aggregating two 100GbE or OTU4 clients onto its own 200G coherent line wavelength, for up to 400 Gbit/s total.

Four hot-swappable client ports

Four pluggable QSFP28 client ports carry 100GbE, 100GbE FlexE and optional OTU4, including 100GbE/OTU4 hybrid transmission per channel.

Long-haul coherent reach

Two pluggable CFP2 DCOs deliver 100G/200G programmable operation with C-band tunability (190.7–196.65 THz), optional flex-grid and adjustable launch power.

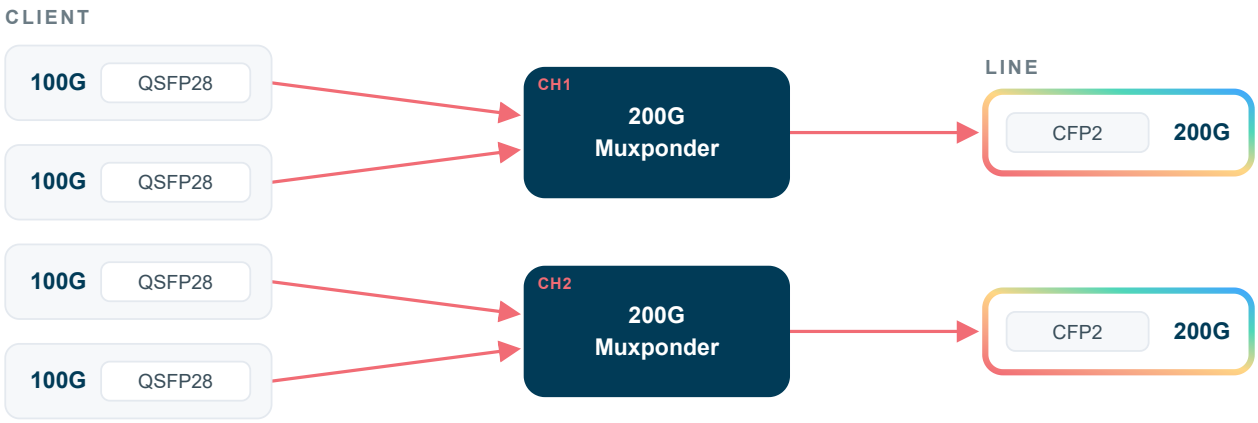
Deep performance visibility

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

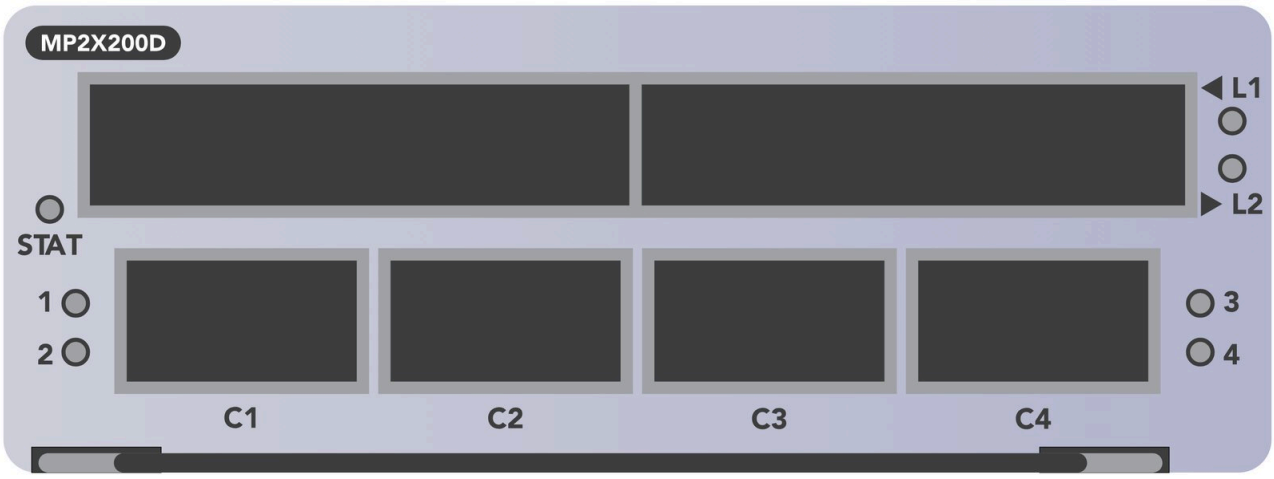
Compact single-slot footprint

Delivers up to 400 Gbit/s of muxponder capacity from a single chassis slot, drawing under 91 W with both optical modules fitted.

FUNCTIONAL STRUCTURE



FRONT PANEL



FORMAT

CARD FOR DCI CHASSIS 1 SLOT

SPECIFICATIONS

Line Side	
Interface	2 × CFP2 DCO, pluggable (1 per channel, 200G/400G-rated modules)
Line Rate (Programmable)	100G/200G per channel
Tunable Range	190.7–196.65 THz (C-band, flex-grid optional)
Output Power (Adjustable)	Adjustable, range depends on optical module
Single-Fibre Bidirectional	Optional

Client Side	
Interfaces	4 × QSFP28, hot-swappable (2 per channel)
Client Capacity	4 × 100G (2 × 100G per 200G line channel)
Supported Services	100GbE, 100GbE FlexE (unaware), OTU4 (optional)

OAM & Monitoring	
Latency Measurement	Online delay measurement based on the ODU layer, line-side (optional)
Loopback	Inner and outer loopback, line-side and client-side (optional)
LLDP	Receive mode only, Ethernet service types (optional)
ALS	Client-side support, Ethernet service types (optional)
Alarm Delay Insertion	Local Fault alarm delay insertion with configurable delay time (optional)
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	< 91 W (typical)

ORDERING INFORMATION

NAME	2×200G Coherent Muxponder, 2×2×100G to 2×200G (CFP2) for DCI Chassis
DESCRIPTION	2x200G coherent muxponder card, 1 slot. Two independent muxponder channels, each multiplexing two 100GE/OTU4 clients onto its own 200G coherent line (CFP2 DCO), 100G/200G programmable per channel with C-band tunability and optional flex-grid; 4x QSFP28 clients (2 per channel); supports 100GbE, 100GbE FlexE and OTU4 services.
PART NUMBER	**DCI-MP-CFP2-2x200G-4x100G-1S**

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