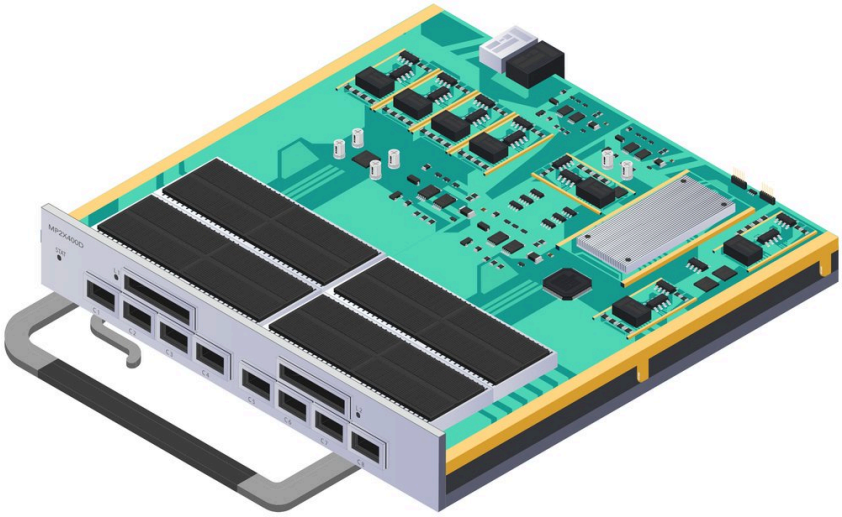
nex·gen

OTN SYSTEMS DCI PLATFORMS

2×400G Coherent Muxponder, 2×4×100G to 2×400G (CFP2) for DCI Chassis

This 2×400G coherent muxponder service card multiplexes eight 100GbE or OTU4 clients, four per channel, onto two independent 400G coherent line wavelengths over pluggable CFP2 DCOs, with programmable 100G–400G line rate and full C-band tunability for metro and long-haul DCI transport. The two-slot card fits the OTN DCI platform range.



HIGHLIGHTS

Two independent 4×100G to 400G engines

Two self-contained muxponder channels, each aggregating four 100GbE or OTU4 clients onto its own 400G coherent line wavelength, for up to 800 Gbit/s total.

Programmable coherent lines

Two pluggable CFP2 DCOs deliver programmable 100G–400G operation with C-band tunability (190.69375–196.65625 THz), flex-grid and adjustable launch power.

Eight hot-swappable client ports

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

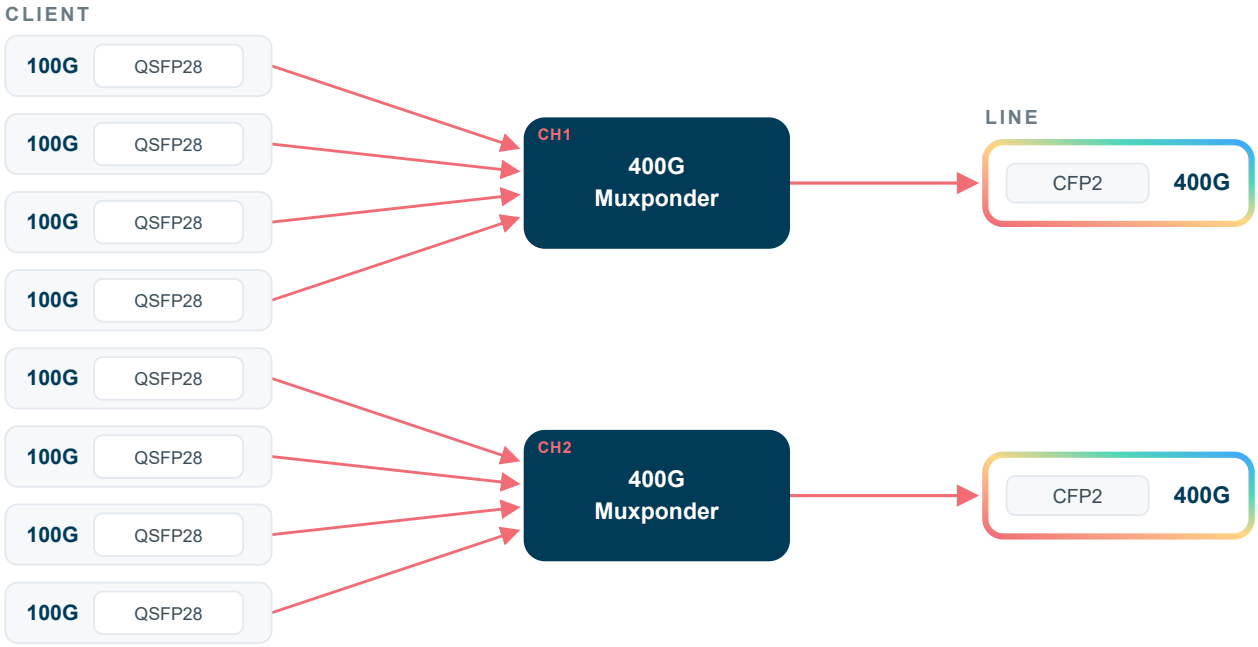
Deep performance visibility

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

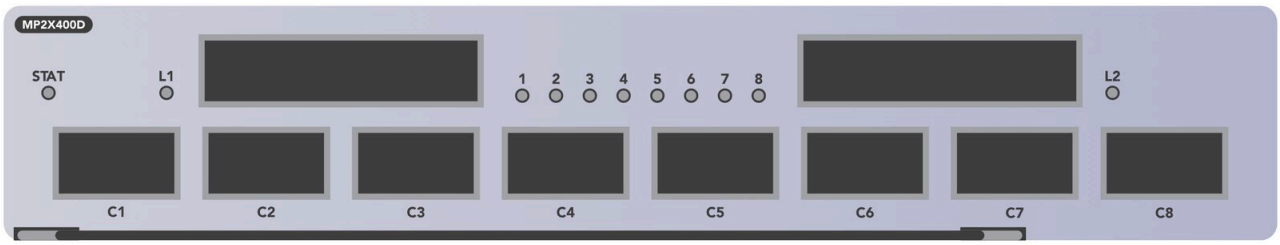
High-density two-slot card

Delivers up to 800 Gbit/s of muxponder capacity from two chassis slots, drawing under 124 W with both optical modules fitted.

FUNCTIONAL STRUCTURE



FRONT PANEL



FORMAT

CARD FOR DCI CHASSIS 2 SLOTS

SPECIFICATIONS

Line Side	
Interface	2 × CFP2 DCO, pluggable (1 per channel)
Line Rate (Programmable)	100G–400G per channel
Tunable Range	190.69375–196.65625 THz (C-band, flex-grid optional)
Output Power (Adjustable)	Adjustable, range depends on optical module
Single-Fibre Bidirectional	Optional

Client Side	
Interfaces	8 × QSFP28, hot-swappable (4 per channel)
Client Capacity	8 × 100G (4 × 100G per 400G line channel)
Supported Services	100GbE, 100GbE FlexE (unaware), OTU4 (optional), 100GbE/OTU4 hybrid (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)
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	2 (compatible with the OTN DCI platform range)
Maximum Power Consumption	< 124 W (typical)

ORDERING INFORMATION

NAME	2×400G Coherent Muxponder, 2×4×100G to 2×400G (CFP2) for DCI Chassis
DESCRIPTION	2x400G coherent muxponder card, 2 slots. Two independent muxponder channels, each multiplexing four 100GE/OTU4 clients onto its own 400G coherent line (CFP2 DCO), programmable 100G-400G per channel with C-band tunability and flex-grid; 8x QSFP28 clients (4 per channel); supports 100GbE, 100GbE FlexE and OTU4 services.
PART NUMBER	**DCI-MP-CFP2-2x400G-8x100G-2S**

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