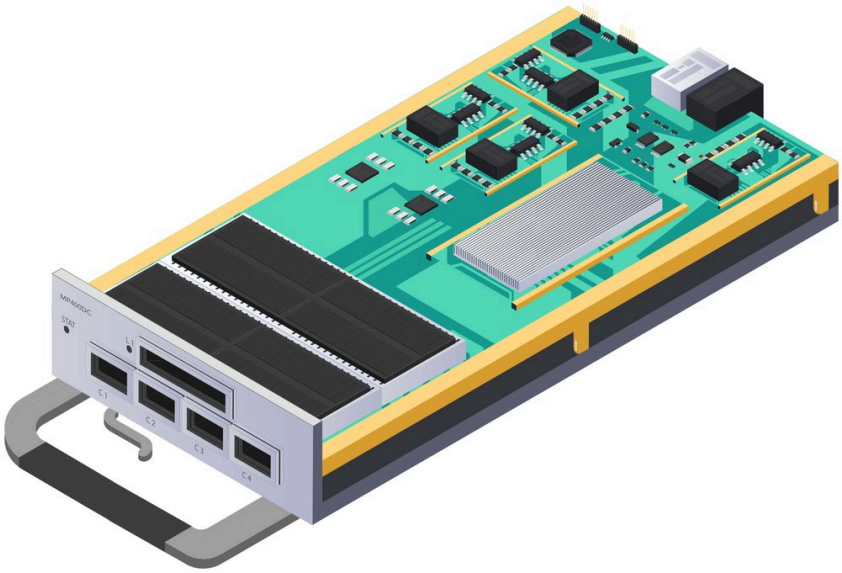
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OTN SYSTEMS DCI PLATFORMS

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

This 400G coherent muxponder service card multiplexes up to four 100GbE/OTU4 clients onto a single 400G coherent line wavelength over a pluggable CFP2 DCO, with programmable 100G–400G 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

4×100G to 400G aggregation

Four fixed QSFP28 ports multiplex up to four 100GbE/OTU4 clients onto a single 400G coherent line.

Programmable coherent line

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

Flexible, service-rich client access

Client ports carry 100GbE, 100GbE FlexE and optional OTU4, including 100GbE/OTU4 hybrid transmission, with optional single-fibre bidirectional line transmission.

Deep performance visibility

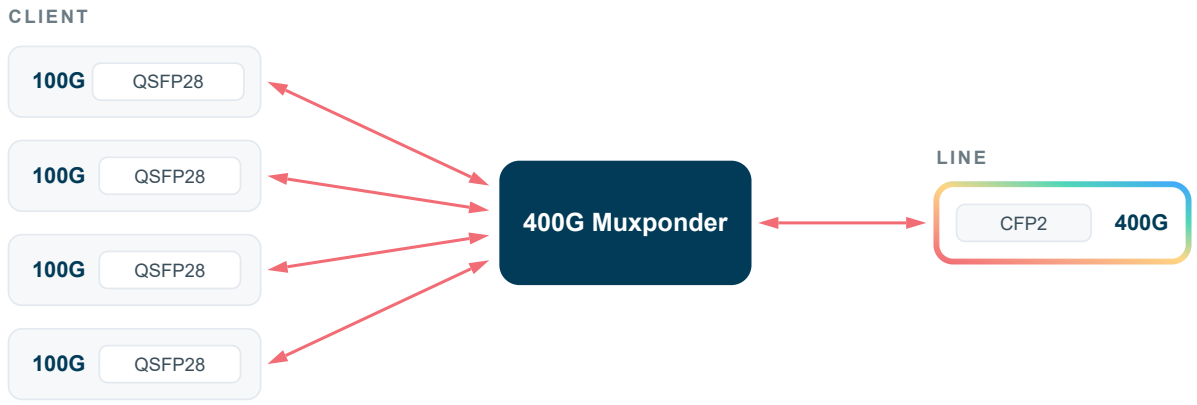
Monitors line- and client-side performance and alarms, Ethernet RMON, optical-module health, optional ODU-layer delay measurement, and telemetry.

Compact single-slot footprint

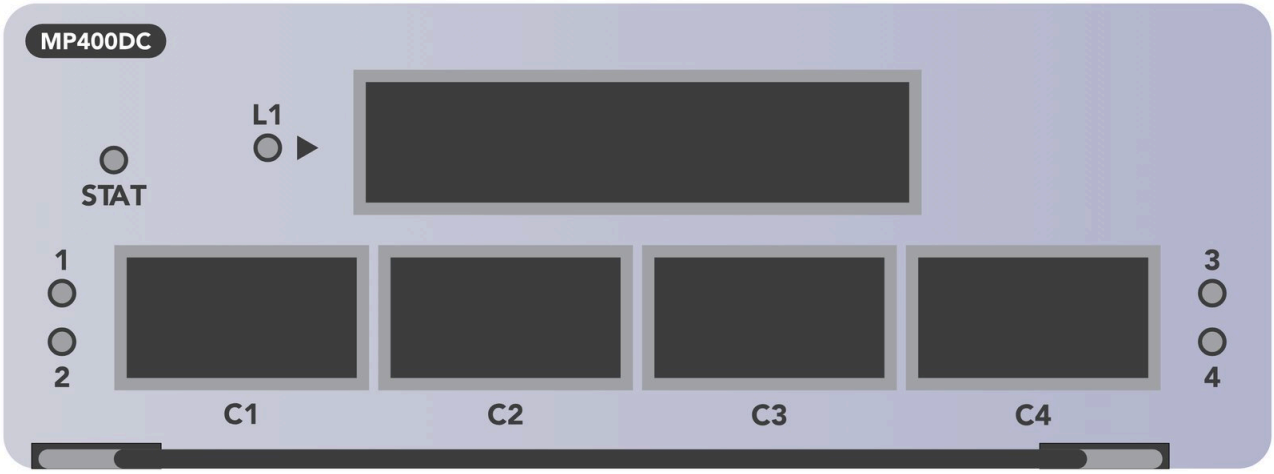
A single-slot card compatible with both DCI chassis, drawing under 71 W with the optical module fitted.

FUNCTIONAL STRUCTURE

MODE 1 4×100G to 400G aggregation, all four client ports populated with QSFP28 modules



FRONT PANEL



FORMAT

CARD FOR DCI CHASSIS 1 SLOT

SPECIFICATIONS

Line Side	
Interface	1 × CFP2 DCO, pluggable
Line Rate (Programmable)	100G–400G
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	4 × QSFP28, pluggable
Client Capacity	Up to 4 × 100G-equivalent, within the 400G line cap
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	1 (compatible with the OTN DCI platform range)
Maximum Power Consumption	< 71 W (typical)

ORDERING INFORMATION

NAME	400G Coherent Muxponder, 4×100G to 400G (CFP2) for DCI Chassis
DESCRIPTION	400G coherent muxponder card, 1 slot. Multiplexes four 100GE/OTU4 clients onto a single 400G coherent line (CFP2 DCO), programmable 100G-400G with C-band tunability and flex-grid; 4x QSFP28 clients; supports 100GbE, 100GbE FlexE and OTU4 services.
PART NUMBER	**DCI-MP-CFP2-400G-4x100G-1S**

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