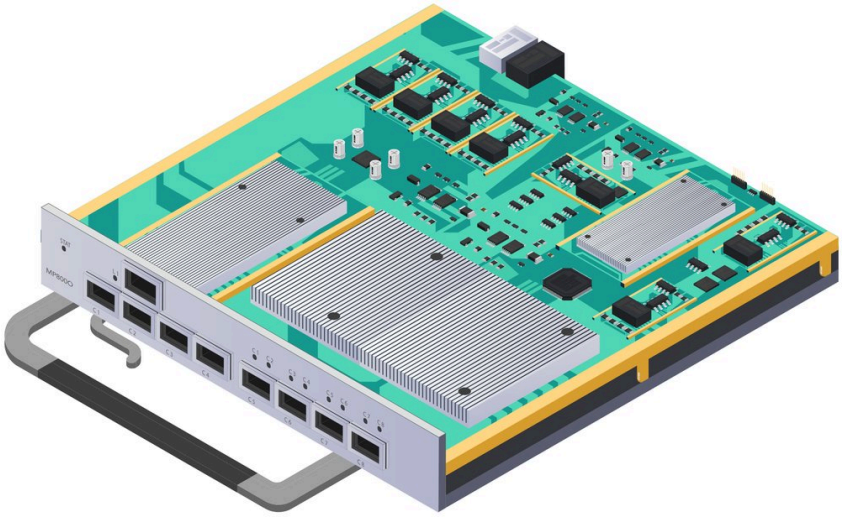
nex·gen

OTN SYSTEMS DCI PLATFORMS

800G Coherent Muxponder, 8×100G to 800G (OSFP) for DCI Chassis

This 800G coherent muxponder service card multiplexes up to eight 100GbE/400GbE client signals onto a single 800G coherent line wavelength over a pluggable OSFP DCO, with full C-band tunability and flex-grid for metro and long-haul DCI transport. The two-slot card fits the OTN DCI platform range.



HIGHLIGHTS

Up to 8 clients onto one 800G line

Two flexible QSFP-DD/QSFP28-compatible ports plus six fixed QSFP28 ports carry a mix of 100GbE and 400GbE clients onto a single 800G coherent line wavelength.

Coherent metro/long-haul reach

A pluggable 800G OSFP DCO delivers full C-band tunability (191.25–196.1 THz) with flex-grid and adjustable launch power.

Flexible client mix

Client ports support 400GbE and 100GbE service types, with inner line-side loopback and inner/outer client-side loopback for fast turn-up and testing.

Deep performance visibility

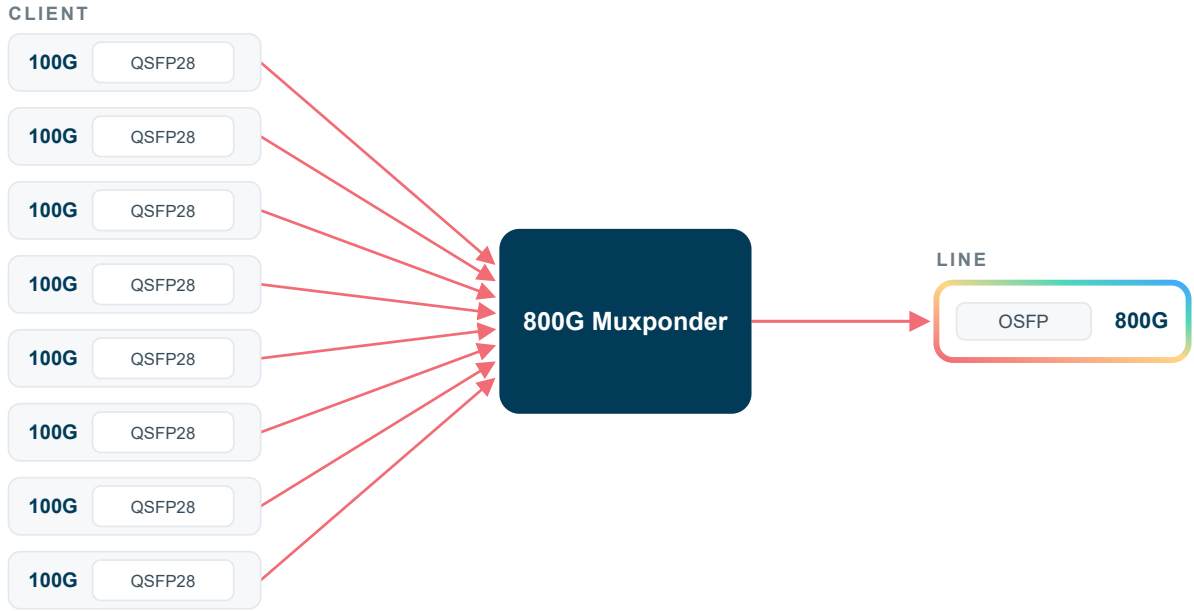
Monitors line- and client-side performance and alarms, Ethernet RMON, optical-module temperature/current/voltage/power, and telemetry.

Fits the DCI platform range

A two-slot card compatible with both DCI chassis, drawing under 120 W with all optical modules fitted.

FUNCTIONAL STRUCTURE

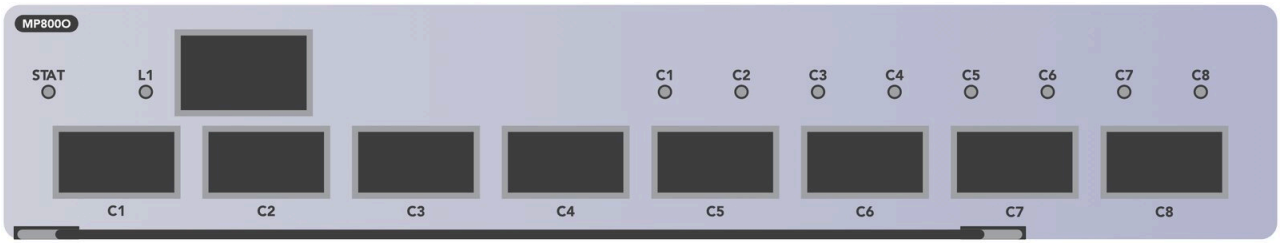
MODE 1 8×100G client mode (all eight client ports populated with QSFP28 modules)



MODE 2 2×400G client mode (the two flexible ports populated with 400G QSFP-DD modules instead, six client ports left unused)



FRONT PANEL



FORMAT

CARD FOR DCI CHASSIS 2 SLOTS

SPECIFICATIONS

Line Side	
Interface	1 × OSFP DCO, pluggable
Line Rate	400G / 800G
Tunable Range	191.25–196.1 THz (C-band, flex-grid)
Output Power (Adjustable)	Adjustable, range depends on optical module

Client Side	
Interfaces	2 × QSFP-DD/QSFP28-compatible + 6 × QSFP28, pluggable
Client Capacity	Up to 8 × 100G-equivalent, within the 800G line cap
Supported Services	400GbE, 100GbE

OAM & Monitoring	
Loopback	Inner loop on line-side; inner and outer loop on client-side
LLDP	Receive mode only
ALS	Client-side support (optional)
Alarm Delay Insertion	Local Fault alarm delay insertion with configurable delay time
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	< 120 W (typical)

ORDERING INFORMATION

NAME	800G Coherent Muxponder, 8×100G to 800G (OSFP) for DCI Chassis
DESCRIPTION	800G coherent muxponder card, 2 slots. Multiplexes up to eight 100GbE/400GbE clients (2x QSFP-DD/QSFP28-compatible + 6x QSFP28 fixed) onto a single 800G coherent line (OSFP DCO) with full C-band tunability and flex-grid; supports 400GbE and 100GbE services.
PART NUMBER	**DCI-MP-OSFP-800G-8x100G-2S**

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nexgen.eu · customer.service@nexgen.eu