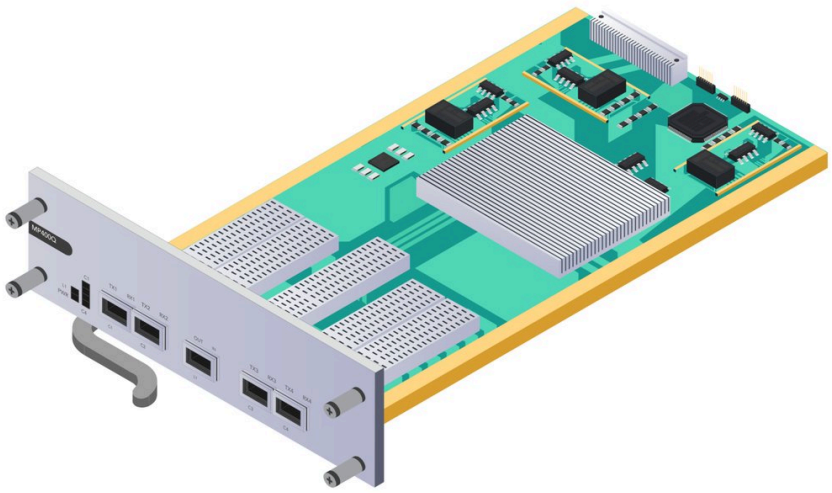
nex·gen

OTN SYSTEMS WDM PLATFORMS

400G Coherent Muxponder, 4×100G to 400G (QSFP-DD) for WDM Chassis

This 400G coherent muxponder service card multiplexes four 100GE clients onto a single 400G coherent line wavelength over a pluggable QSFP-DD DCO, with programmable 100G/200G/400G line rate and full C-band tunability for long-haul DWDM transport. The two-slot card fits across the OTN WDM chassis range.



HIGHLIGHTS

4×100G to 400G aggregation

Multiplexes four 100GE clients onto one 400G coherent line wavelength, quadrupling the capacity carried per DWDM channel.

Programmable coherent line

A pluggable QSFP-DD DCO delivers programmable 100G/200G/400G operation with C-band tunability (191.35–196.1 THz) and adjustable launch power for long-haul reach.

Flexible client access

Four pluggable QSFP28 client ports carry 100GE and 100GE RS-FEC, with line- and client-side loopback for fast turn-up and testing.

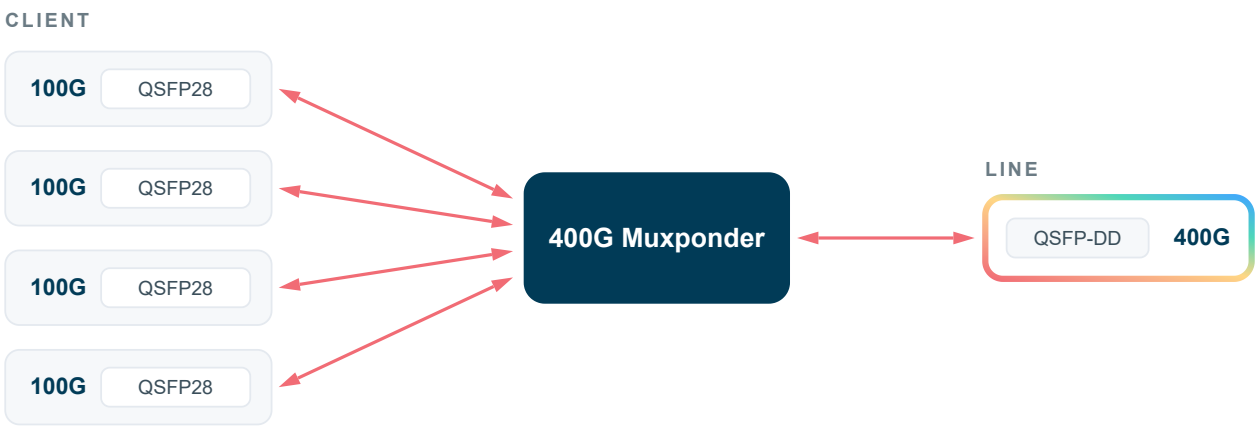
Deep performance visibility

Monitors OSNR, pre-FEC and uncorrectable BER, optical-module health and Ethernet-layer performance, with ALS and delayed alarm insertion.

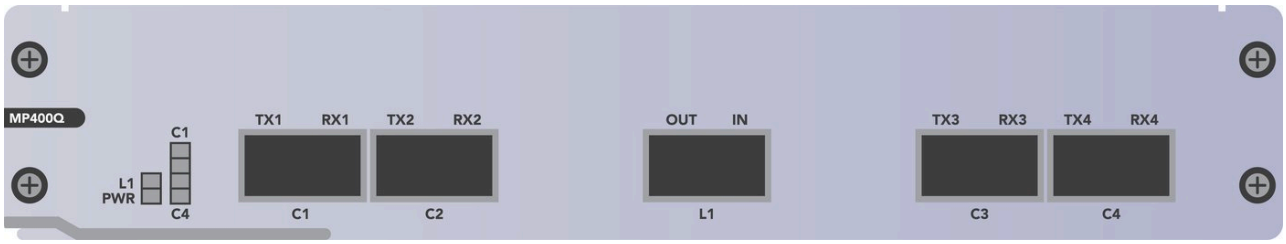
Fits your existing chassis

A two-slot card compatible across the OTN WDM chassis range, drawing just 60 W with the optical module fitted.

FUNCTIONAL STRUCTURE



FRONT PANEL



FORMAT

CARD FOR WDM CHASSIS 2 SLOTS

SPECIFICATIONS

LINE SIDE	
Interface	1 × QSFP-DD DCO, pluggable
Line Rate (Programmable)	100G / 200G / 400G
Tunable Range	191.35–196.1 THz (C-band)
Output Power (Adjustable)	Adjustable, range depends on optical module
CLIENT SIDE	
Interfaces	4 × QSFP28, pluggable
Client Capacity	4 × 100G
Supported Services	100GE, 100GE RS-FEC
OAM & MONITORING	
Loopback	Line-side and client-side
LLDP	100GE, 100GE RS-FEC
ALS	Automatic laser shutdown / restart on client input
Alarm Delayed Insertion	Supported, with configurable delay time
Performance Monitoring	OSNR, pre-FEC & uncorrectable BER, optical-module temperature/current/voltage/power, Ethernet-layer PM
MECHANICAL & POWER	
Slots Occupied	2 (compatible with all OTN WDM chassis)
Maximum Power Consumption	60 W (with optical module)

ORDERING INFORMATION

NAME	400G Coherent Muxponder, 4×100G to 400G (QSFP-DD) for WDM Chassis
DESCRIPTION	400G coherent muxponder card, 2 slots. Multiplexes 4×100GE onto a single 400G coherent line (QSFP-DD DCO), programmable 100G/200G/400G with C-band tunability; 4×QSFP28 clients.
PART NUMBER	**WDM-MP-QDD-400G-4x100G-2S**

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