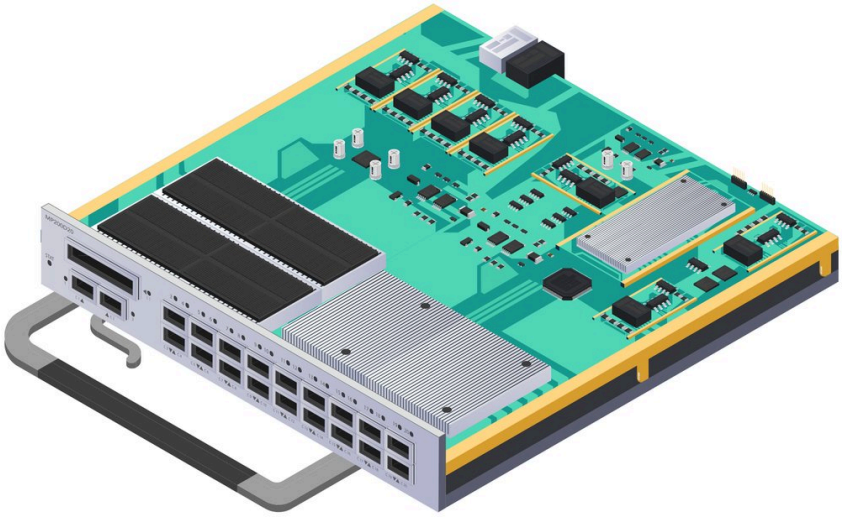
nex·gen

OTN SYSTEMS DCI PLATFORMS

200G Coherent Muxponder, 20×10G to 200G (CFP2) for DCI Chassis

This 200G coherent muxponder service card multiplexes up to twenty 10G-class client services onto a single 200G coherent line wavelength over a pluggable CFP2 DCO, with 100G/200G programmable 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

20×10G to 200G aggregation

Twenty hot-swappable SFP+ client ports multiplex 10G-class services onto a single 200G coherent line wavelength.

Long-haul coherent reach

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

Broad 10G-class service support

Carries 10GbE, 25GbE, STM-64, 10GbE_WAN and Fibre Channel up to 3200, plus OTU2 and OTU2e.

Deep performance visibility

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

High client-port density

Twenty hot-swappable client ports on a two-slot card, drawing under 90 W with the optical module fitted.

FUNCTIONAL STRUCTURE

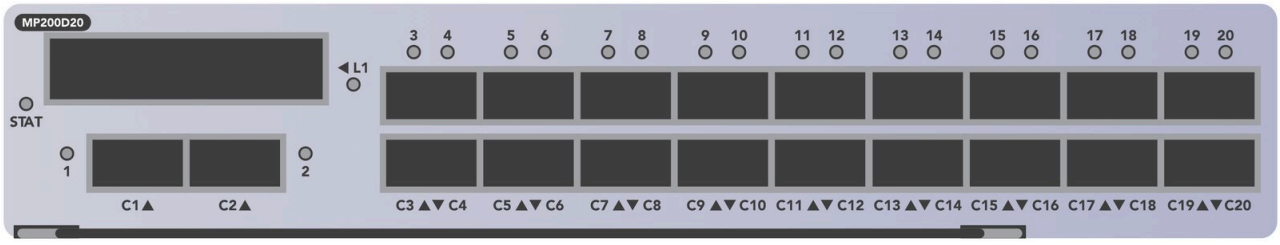
MODE 1 200G line mode (CFP2 programmed to 200G, all twenty SFP+ client ports populated)



MODE 2 100G line mode (CFP2 programmed to 100G, only ten SFP+ client ports populated)



FRONT PANEL



FORMAT

CARD FOR DCI CHASSIS 2 SLOTS

SPECIFICATIONS

Line Side	
Interface	1 × CFP2 DCO (200G/400G-rated module), pluggable
Line Rate (Programmable)	100G/200G
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	20 × SFP+, hot-swappable
Client Capacity	20 × 10G-class
Supported Services	10GbE, 25GbE, STM-64, 10GbE_WAN, Fibre Channel 800/1600/3200, OTU2, OTU2e

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
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	< 90 W (typical)

ORDERING INFORMATION

NAME	200G Coherent Muxponder, 20×10G to 200G (CFP2) for DCI Chassis
DESCRIPTION	200G coherent muxponder card, 2 slots. Multiplexes up to twenty 10G-class client services (20x SFP+ ports) onto a single 200G coherent line (CFP2 DCO), 100G/200G programmable with C-band tunability and optional flex-grid; supports 10GbE, 25GbE, STM-64, Fibre Channel and OTU2/OTU2e services.
PART NUMBER	**DCI-MP-CFP2-200G-20x10G-2S**

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