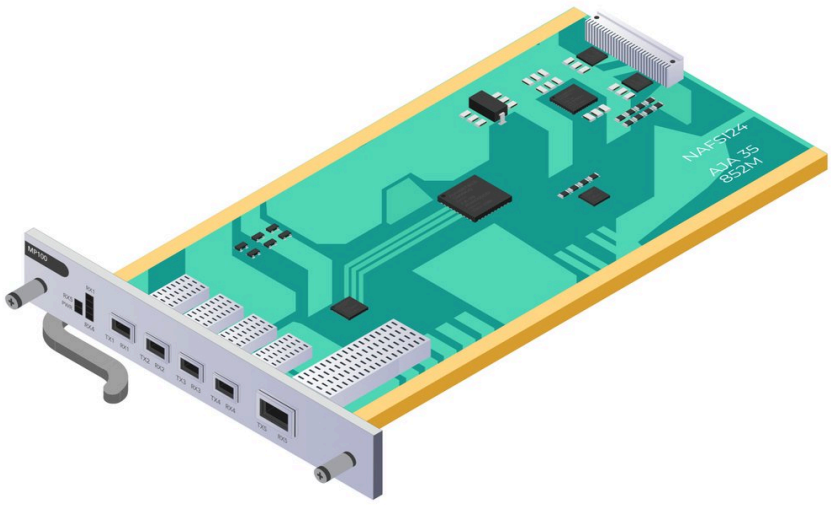
nex·gen

OTN SYSTEMS WDM PLATFORMS

40G/100G to 4×10G/25G WDM Muxponder for WDM Chassis

This WDM muxponder maps a single flexible 40G or 100G client port onto four independent 10G or 25G DWDM/CWDM line wavelengths, and performs the reverse aggregation back to the client. It suits intra-city and short-haul WDM links where 40G/100G traffic needs to travel over an existing 10G/25G-grid wavelength infrastructure. The single-slot card fits across the OTN WDM chassis range.



HIGHLIGHTS

Flexible 40G/100G aggregation

Maps a single 40G or 100G client port onto four 10G/25G DWDM/CWDM line wavelengths, and reverses the process just as easily.

Broad service support

Carries 40GE and OTU3 for 40G service, or 100GE, 100GE RS-FEC and OTU4 for 100G service, from a single flexible client port.

Dual-rate line optics

Line ports accept 10G SFP+ or 25G SFP28 WDM modules with integrated CDR, spanning CWDM 18-wave or DWDM 96-wave @50GHz grids.

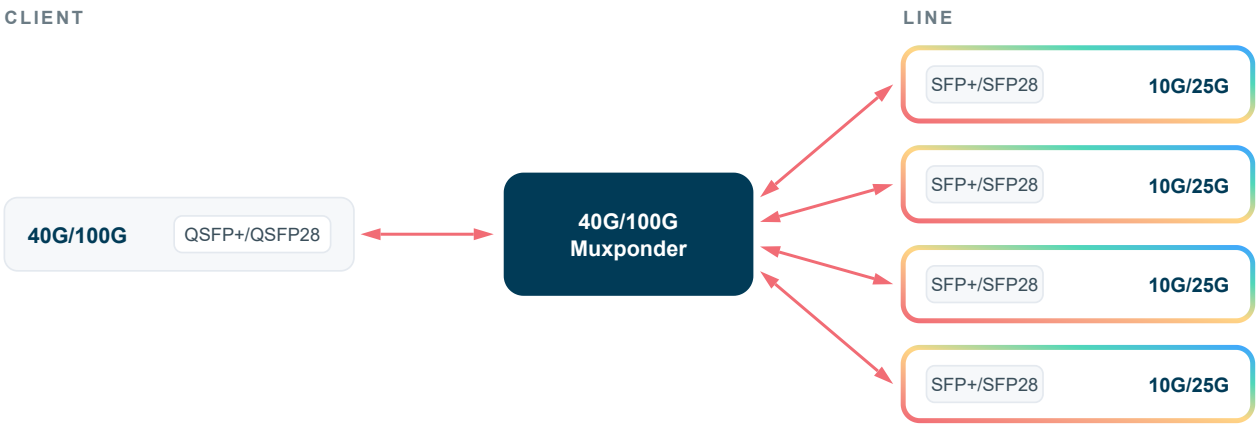
Built-in optical safety

Automatic laser shutdown and restart (ALS) protects the link on loss of input signal, with no manual intervention needed.

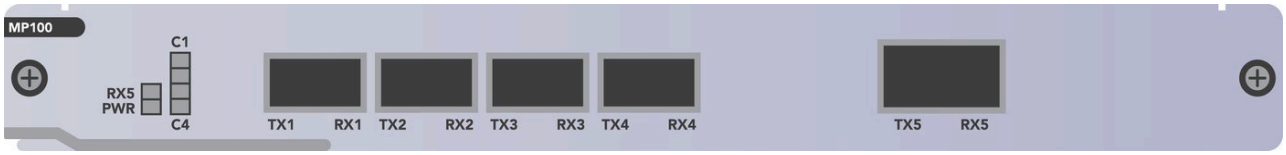
Compact and power-efficient

Occupies a single slot across the full OTN WDM chassis range, drawing just 13 W with optical modules fitted.

FUNCTIONAL STRUCTURE



FRONT PANEL



FORMAT

CARD FOR WDM CHASSIS 1 SLOT

SPECIFICATIONS

CLIENT SIDE	
Interface	1 × QSFP+/QSFP28, pluggable
Supported Rates	40G, 100G
LINE SIDE	
Interfaces	4 × SFP+/SFP28, pluggable
Optical Modules	10G SFP+ or 25G SFP28 WDM, with integrated CDR
Wavelength Grid	CWDM 18-wave or DWDM 96-wave @ 50 GHz
SUPPORTED SERVICE TYPES	
40G Service	40GE, OTU3
100G Service	100GE, 100GE RS-FEC, OTU4
OAM & MONITORING	
ALS	Automatic laser shutdown / restart on loss of input signal
Performance Monitoring	Optical-module temperature, current, voltage, optical power
MECHANICAL & POWER	
Slots Occupied	1 (compatible with all OTN WDM chassis)
Maximum Power Consumption	13 W (with optical module)

ORDERING INFORMATION

NAME	40G/100G to 4×10G/25G WDM Muxponder for WDM Chassis
DESCRIPTION	WDM muxponder, 1 slot. Maps one flexible 40G/100G client (1×QSFP+/QSFP28) onto four 10G/25G DWDM/CWDM line wavelengths (4×SFP+/SFP28) and back; supports 40GE/OTU3 and 100GE/100GE RS-FEC/OTU4.
PART NUMBER	**WDM-MP-100G-4x25G-1S**