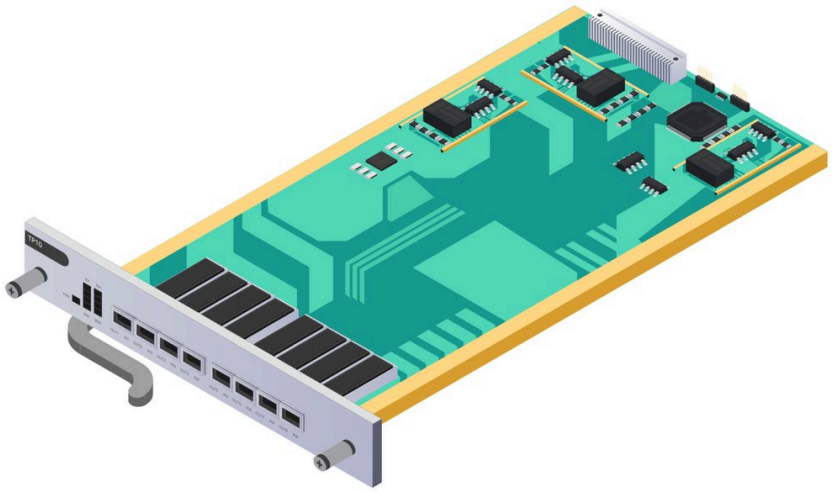
nex·gen

OTN SYSTEMS WDM PLATFORMS

100M-11.3G Multi-Service Transponder (4-Channel) for WDM Chassis

On this multi-service transponder, four independent channels each convert a 100 Mbps to 11.3 Gbps client service, Ethernet, SDH/STM, Fibre Channel, OTU1/OTU2/OTU2e or CPRI, onto a matching 10G WDM line wavelength, and perform the reverse conversion back to the client. The same eight SFP+ ports can also be configured for line-to-line relay regeneration using CDR-equipped WDM optical modules, refreshing signals without a client-side hop. The single-slot card fits across the OTN WDM chassis range.



HIGHLIGHTS

Broad multi-rate support

Four independent channels each carry virtually any service from 100 Mbps up to 11.3 Gbps, Ethernet, SDH/STM, Fibre Channel, OTU1/OTU2/OTU2e or CPRI.

Two operating modes, one card

Runs as a wavelength converter between client and WDM line, or, using the same SFP+ slots, as a line-to-line relay/regenerator.

CDR-equipped line optics

Line-side WDM optical modules include integrated CDR, supporting clean signal relay alongside wavelength conversion.

Full WDM wavelength coverage

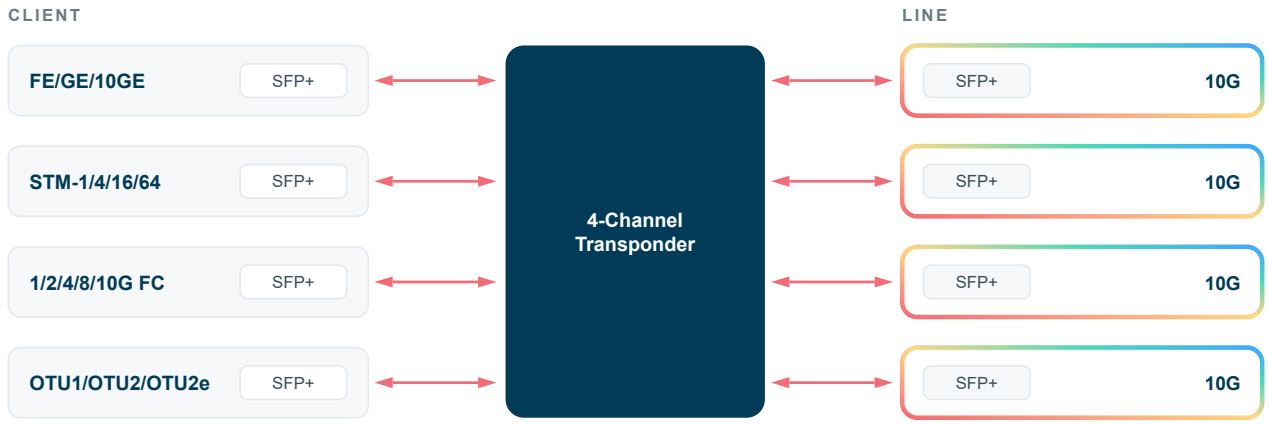
Line-side ports support CWDM 18-wave or DWDM 96-wave @50GHz grids.

Compact and power-efficient

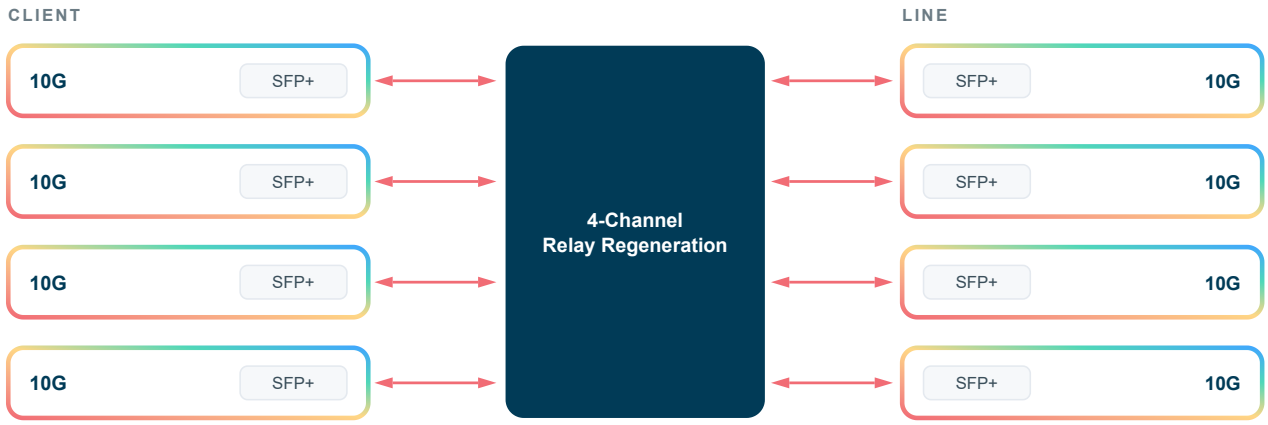
Occupies a single slot across the full OTN WDM chassis range, drawing just 16 W with optical modules fitted.

FUNCTIONAL STRUCTURE

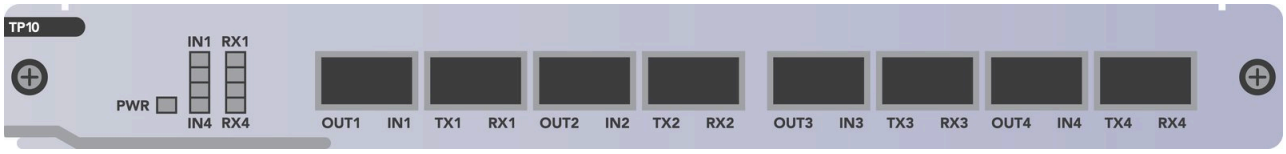
Line mode (wavelength conversion)



Relay mode (line-to-line regeneration)



FRONT PANEL



FORMAT

CARD FOR WDM CHASSIS 1 SLOT

SPECIFICATIONS

CLIENT SIDE	
Interfaces	4 × SFP+, pluggable
Supported Services	FE, GE, 10GE · 1/2/4/8/10G FC · STM-1/4/16/64 · OTU1/OTU2/OTU2e · CPRI-1~8
Rate Range	100 Mbps to 11.3 Gbps per channel
LINE SIDE	
Interfaces	4 × SFP+, pluggable (WDM optical modules with CDR)
Wavelength Grid	CWDM 18-wave or DWDM 96-wave @ 50 GHz
OPERATING MODES	
Line Mode (Wavelength Conversion)	Converts each client service to a matching 10G WDM line wavelength, and back
Relay Mode (Regeneration)	Regenerates line signals end-to-end via CDR-equipped modules, without client-side conversion
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	16 W (with optical module)

ORDERING INFORMATION

NAME	100M-11.3G Multi-Service Transponder (4-Channel) for WDM Chassis
DESCRIPTION	Multi-service transponder, 1 slot. Four independent 100M-11.3G channels (Ethernet, STM, Fibre Channel, OTU1/OTU2/OTU2e, CPRI) convert to matching 10G WDM line wavelengths, or relay-regenerate line-to-line via CDR-equipped modules; 8x SFP+ ports total.
PART NUMBER	**WDM-TP-4x10G-4x10G-1S**

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