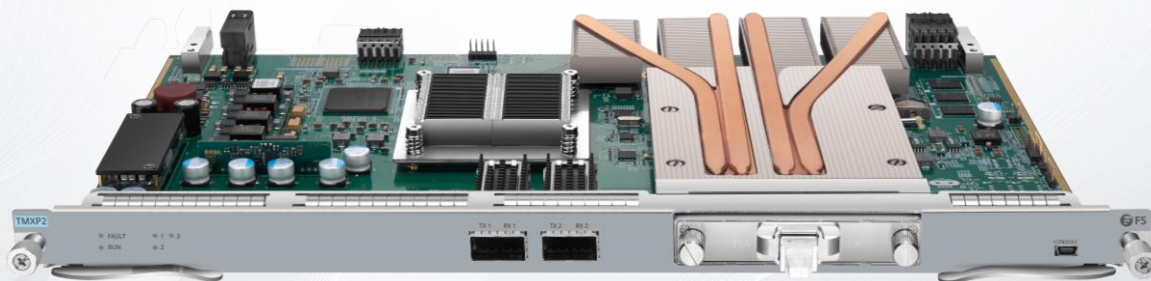


100G OTN Transponder/Muxponder with 100G Coherent CFP Transceiver

Up to 100G Rate, QSFP28/QSFP+ to CFP, Pluggable Module



Description

The 100G transponder/muxponder provides a high transport capacity of 100G over a single wavelength, it adopts the advanced technology and ASIC chip, and it is fully compliant with ITU-T standard, such as G.709, G.798, etc. The transponder/muxponder meets market demands for low power consumption and rack space savings, enabling to easily and cost-effectively roll-out service and increase capacity of enterprise DCI (data center interconnect) and metro networks.

The 100G transponder/muxponder supports a flexible mix of 40G/100G client interface protocols in various muxponder and transponder operation modes, combining different protocols and rates over a single 100G uplink.

Features

- Function as a 100G Muxponder to multiplex 2x40G clients into a single 100G CFP uplink
- Function as a 100G Transponder to convert 1x100G client into a single 100G CFP uplink
- Attached PM-QPSK modulation coherent CFP optic module provides superior optical performance
- Coherent detection removes the need for dispersion
- Highly integrated in FMX managed chassis

Applications

- Metro/Regional transport into/from OTN transport network
- 100G capacity addition to bolster existing OTN/DWDM infrastructure
- High capacity DCI for enterprise, campus and cloud computing networks

Technical Specifications

Line Interface

Parameter	Description
Line Interface Type	1x 100G CFP Port
Line Interface Protocol	Coherent CFP
Line Modulation	PM-QPSK
Transmit Rate	111.8~125.75Gbps
Power Consumption	Max. 125W
OSNR Sensitivity	13.5dB
Wavelength Range of Input Signal	1528~1568nm
Channel Spacing	50GHz&100Ghz
Dispersion Tolerance	40000ps/nm
FEC Support	100G coherent OCh: Soft-Decision FEC

Client Interface

Parameter	Description
Client Interface Type	1x 100G QSFP28 Port or 2x 40G QSFP+ Ports
Client Interface Protocols	100G, OTU4, 40GE, OTU3
FEC Support	100G OTU4: G.709 Regular FEC

Compliance

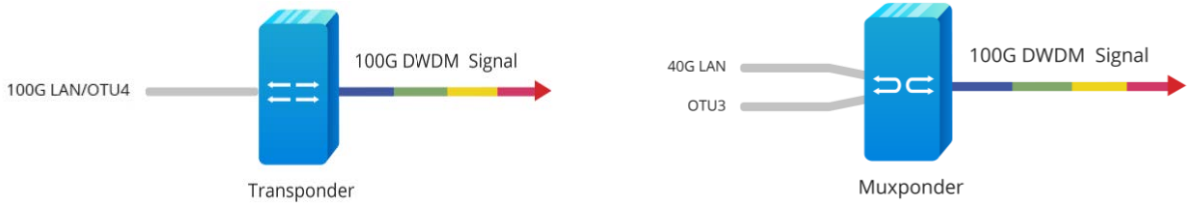
Parameter	Description
Quality Certification	CE

Functional Diagram

Configurable as either a muxponder or transponder, the device can convert 100G QSFP28 to 100G CFP, or multiple 2x 40G QSFP+ to 100G CFP for metro long haul DWDM applications.

1. 100G QSFP28 to 100G CFP

2. 2x 40G QSFP+ to 100G CFP



Matching Chassis

FMX-100G-TMPX2 100G transponder/muxponder pluggable module occupies one slot in FMX Managed Chassis.



Ordering Information

ID	Description
#96375	1x 100G QSFP28 or 2x 40G QSFP+ to 1x 100G CFP Transponder/Muxponder with 100G Coherent CFP Transceiver
#96372	1x 100G QSFP28 or 2x 40G QSFP+ to 1x 100G CFP Transponder/Muxponder
#96376	10x 10G SFP+ to 100G CFP 100G Multirate Muxponder with 100G Coherent CFP Transceiver
#96373	10x 10G SFP+ to 100G CFP 100G Multirate Muxponder
#96454	FMX Managed Chassis Unloaded, Supports up to 2x 100G Transponder/Muxponder

Note: Standard products are listed above. Customized specifications are available upon request.



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