FS

100G OTN Muxponder

Up to 100G Rate, SFP+ to CFP, Pluggable Module

Description

100G multirate muxponder provides a high transport capacity of 100G over a single wavelength, and it can multiplex 10x 10G signals to a single 100G uplink for metro, long haul, and DWDM applications. The device adopts the advanced technology and ASIC chip, which is fully compliant with ITU-T standard, such as G.709, G.798, etc.

The 100G OTN Muxponder is suitable for Metro Access and Metro Aggregation optical transport network. It can support an extended number of services for DWDM transport applications. Due to its high flexibility and density, it is an ideal device for access and metro wavelength division multiplexing (WDM) networks.

Features

- Support 10x 10G multi-protocol clients
- Up to 100G uplink aggregation
- Highly integrated in M6500 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

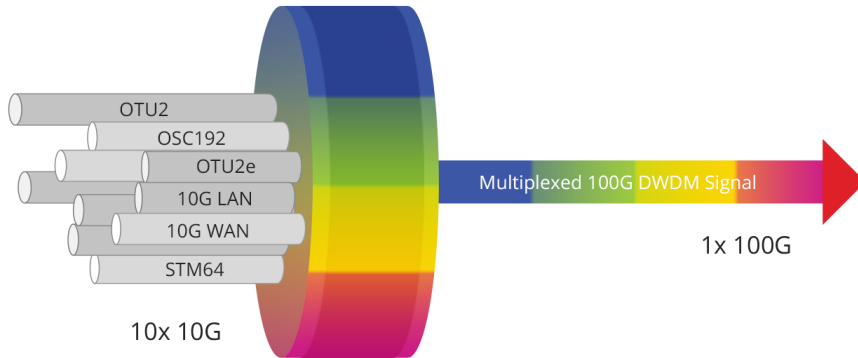| Parameter	Description
Line Interface Type	1x 100G CFP Port
Line Interface Protocol	Coherent CFP
Line Modulation	PM-QPSK
Transmit Rate	111.8~125.75Gbps
Power Consumption	Max. 130W
OSNR Sensitivity	13.5dB
Wavelength Range of Input Signal	1528~1568nm
Channel Spacing	50GHz&100Ghz
Dispersion Tolerance	40000ps/nm
FEC Support	• 100G OTU4: G.709 Regular FEC • 100G coherent OCh: Soft-Decision FEC

Client Interface

Parameter	Description
Client Interface Type	10x 10G SFP+ Ports
Client Interface Protocols	10GE LAN/WAN, STM-64/OC-192, OTU2, OTU2e
FEC Support	• Regular FEC (G.709) • I.4 Super FEC (G.975.1) • I.7 Super FEC (G.975.1)

Compliance

Parameter	Description
Quality Certification	CE

Functional Diagram

The muxponder provides efficient multi-protocol muxponding of 10G services onto a 100G OTU4 uplink for metro, long haul, and DWDM applications.

Matching Chassis

M6500-MXP10 100G muxponder pluggable module occupies one slot in M6500 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	M6500 Managed Chassis Unloaded, Supports up to 2x 100G Transponder/Muxponder

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

United Kingdom •

Russia •

Germany •

United States •

China •

Singapore •

Australia •

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