XenOpt

X86-OTMF - 400G Muxponder

FEATURES

- Line side signal occupies Single WDM channel
- Performs 4x100Gb to 1x400Gb signal multiplexing and demultiplexing
- Uses Dual Polarization 16QAM or 8QAM line side modulation
- Accepts QSFP28 and CFP2 pluggable modules
- With reach of up to 800 km without requiring electrical regeneration.
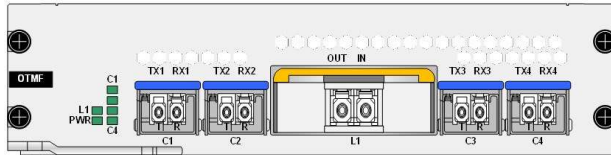- Can be tuned to any of 96 50GHz C-band DWDM channel
- Power consumption less than 60 W

APPLICATIONS
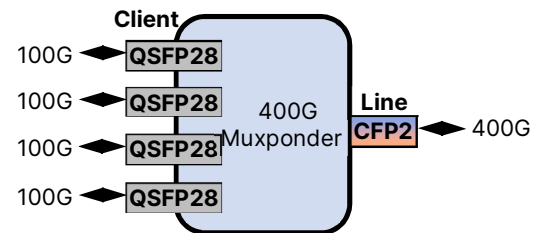
- 4-channel 100GbE or OTU4 to 400Gb OTN Muxponder

DESCRIPTION

X86-OTMF is 400Gb muxponder multiplexing 4x 100 Gb client signals to single 400 Gb DWDM line side signal. It has DCO DWDM CFP2 pluggable socket on line side and four QSFP28 pluggable sockets on client side that are compatible with 100 Gb optical pluggable modules. Signals on client side may be either 100 Gb Ethernet or OTU4 formatted. Line side uses digital coherent DWDM CFP2 optical pluggable transceiver that uses either DP-8QAM or DP-16QAM modulation and exhibits high immunity to chromatic and polarization mode dispersion, enabling a reach of up to 800 Km without the need of OEO regeneration. Line side CFP2 modules that can be supplied with the muxponder are tunable to all 96 channels in C-Band.

FUNCTIONAL DIAGRAM

PRODUCT SPECIFICATION

Parameter	Note
Interface form factor:	• Client side: 4x QSFP28 pluggable socket, supporting optical transceivers • Line side: 1x CFP2 pluggable socket, compatible with DCO CFP2 transceivers
Line mode	DWDM transceiver with Coherent DP-8QAM or DP-16QAM modulation
Relay mode	Supporting OEO 3R signal regeneration
Service on client side	• 100GbE • OTU4
WDM technology:	Tunable DWDM transceiver that can be tuned to any of 96 50GHz channel in C-band 96
FEC technology:	Supports SDFEC and G.709 FEC
Form factor:	Compatible with all Xenopt X8600 series chassis, occupies 2 slots
Network management functions	• Real time monitoring of the port status, including: TX and RX optical power, temperature, error conditions. • Support port multiple loopback test modes and port shutdown
Power consumption	60 W max, including optical transceivers
MTBF	>100000 hours

ORDERING INFRMATION

Part number	Product Description
X86-OTMF	XenOpt X8600 OTMF 400G Muxponder

Notes

For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice. XenOpt does not guarantee errorless or outdated information.

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