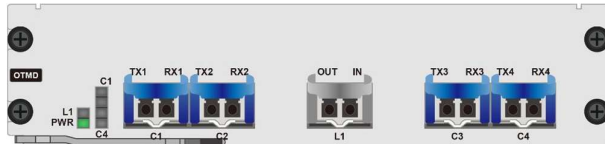


X86-OTMD - 400G Muxponder (QSFP-DD)



APPLICATIONS

- 4-channel 100GbE to 400Gb OTN Muxponder

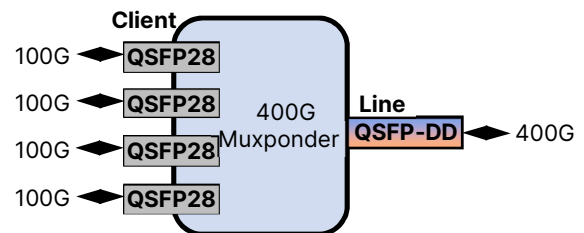
DESCRIPTION

X86-OTMD is 400Gb muxponder multiplexing 4x 100 Gb client signals to single 400 Gb DWDM line side signal. It has DCO QSFP-DD 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 are 100 Gb Ethernet formatted. Line side uses DCO QSFP-DD optical pluggable module 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 QSFP-DD modules that can be supplied with the muxponder are tunable to all 96 channels in C-Band.

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 QSFP-DD DCO 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

FUNCTIONAL DIAGRAM



PRODUCT SPECIFICATION

Parameter	Note
Interface form factor:	<ul style="list-style-type: none"> Client side: 4x QSFP28 pluggable socket, supporting optical transceivers Line side: 1x QSFP-DD pluggable socket, compatible with DCO QSFP-DD modules
Line mode	DWDM transceiver with Coherent DP-8QAM or DP-16QAM modulation
Relay mode	Supporting OEO 3R signal regeneration
Service on client side	<ul style="list-style-type: none"> 100GbE
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	<ul style="list-style-type: none"> 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 INFORMATION

Part number	Product Description
X86-OTMD	XenOpt X8600 OTMD 400G Muxponder (QSFP-DD)

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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Important notice

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