

# X86-OTMF - 400G Muxponder



## APPLICATIONS

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

## DESCRIPTION

The **OTMD 400G Muxponder** is designed for multiplexing 4x 100Gb client signals into a single 400Gb DWDM line-side signal. It features a pluggable QSFP-DD DCO on the line side and four QSFP28 pluggable sockets on the client side, supporting 100GbE or OTU4 services.

The line-side DCO DWDM optical transceiver employs coherent detection with DP-8QAM or DP-16QAM modulation, providing high resistance to chromatic and polarization mode dispersion, achieving up to 800 km transmission without electrical regeneration. The line-side modules support wavelength tunability across the 191.35~196.1 THz range.

## FEATURES

- **Line-Side Signal:** Occupies a single WDM channel
- **Multiplexing/Demultiplexing:** Converts 4x 100Gb signals to 1x 400Gb and vice versa
- **Modulation:** Supports DP-8QAM and DP-16QAM
- **Client Interface:** 4 QSFP28 pluggable sockets, supporting 100GbE or OTU4
- **Line Interface:** 1 QSFP-DD pluggable socket, configurable for 100G/200G/400G
- **Reach:** Up to 800 km without regeneration
- **Wavelength Tunability:** Covers C-band DWDM channels
- **Low Power Consumption:** Less than 60W

## FUNCTIONAL DIAGRAM



## PRODUCT SPECIFICATION

Parameter	Note
Interface form factor:	<ul style="list-style-type: none"> <li>Client side: 4x QSFP28 pluggable socket, supporting optical transceivers</li> <li>Line side: 1x CFP2 pluggable socket, compatible with DCO CFP2 transceivers</li> </ul>
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"> <li>100GbE</li> <li>OTU4</li> </ul>
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"> <li>Real time monitoring of the port status, including: TX and RX optical power, temperature, error conditions.</li> <li>Support port multiple loopback test modes and port shutdown</li> </ul>
Power consumption	60 W max, including optical transceivers
MTBF	>100000 hours

## ORDERING INFORMATION

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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### PARTNER INFORMATION

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