XenOpt
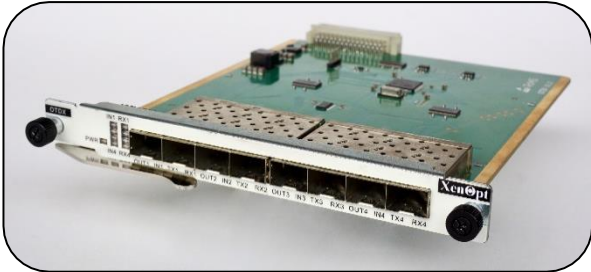
X86-OTDX

XenOpt X8600 OTDX 10G Transponder

Features

- 4 channel bidirectional transponder card
- With data rate from 1.25 Gbit/s to 11.3 Gbit/s
- Provides 3R regeneration of signals that pass the transponder
- Provides Loopback testing mode
- Converts wide band optical signals to standard DWDM/CWDM wavelengths
- Supports wide range of services like: 1GbE, 10GbE, STM-16/64, FC 1G/2G/4G/8G/10G, FICON, FICON Express, ESCON, CPRI: 1.23/2.46/6, 14/9.83 Gbit/s, OTN: OTU2, OTU2V
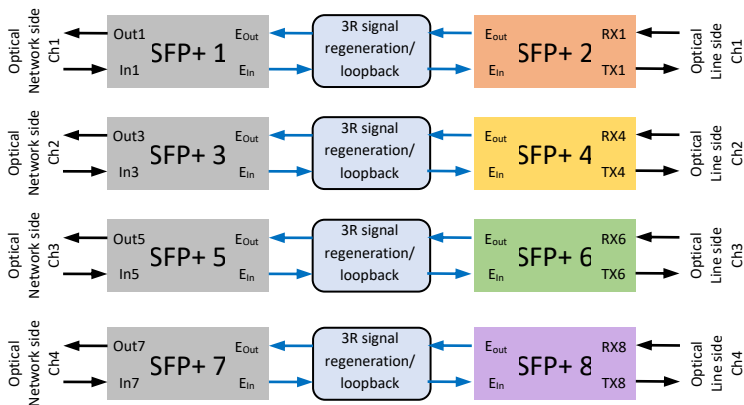
Application

- Conversion and regeneration of signals for 1 to 10 Gb services in WDM transport systems

Description

X86-OTDX is a 4-channel transponder card. All ports have SFP+ interface on line and network side that allow insertion of SFP and SFP+ standard pluggable devices that supports transmission speed from 1.25 Gbit/s to 11.3 Gbit/s. Transponder provides 3R signal regeneration (reamplification, reshaping, retiming). Module can provide loopback function on all 8 ports. Error threshold levels can be user defined. Loopback function can be used for diagnostics and to create up to 8 channel unidirectional transceiver for special applications like Video distribution.

Functional diagram

Technical Specifications

Parameter	Technical Indicators
Product model	**X86-OTDX**
Function	● Quad transponder with rates from 1.25 Gbit/s to 11.3 Gbit/s ● It supports unidirectional transmission of 8-channel services with any rate from 1.25 Gbit/s to 11.3 Gbit/s
Service type	● GE, 10GE, STM-16/64, ● FC 1G/2G/4G/8G/10G, FICON, FICON Express, ESCON ● CPRI: 1.23/2.46/6, 14/9.83 Gbit/s,OTN:OTU2, OTU2V
Size	Occupies 1 slot of X8600 series chassis
WDM technology	All ports can be used with SFP and SFP+ pluggables of following types: (wideband) LX, SX, any of 18 CWDM wavelengths with reach of up to 120km or any of DWDM C or L Band with 100 GHz or 50 GHz spacing with reach of up to 80km
Signal regeneration	Support 3R function: Re-amplifying, Re-timing, Re-shaping
Network management functions	● Supports real time monitoring of port status, including: transmitting optical power, receiving optical power, temperature, voltage and current for each transceiver module ● Supports selecting operating rate of each port ● Supports port loopback and port shutdown
Interface	8x SFP/ SFP+ ports
Typical power consumption	20 W (depending on pluggables used)
MTBF	> 100000 hours

Ordering information

Part number	Product Description
X86-OTDX	XenOpt X8600 OTDX Quad 10G Transponder

Notes

[1] For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice.

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