

#### Features

- 4 channel bidirectional transponder card
- Supports data rate from 100 Mbit/s to 28 Gbit/s per channel
- Provides 2R regeneration of signals that pass the transponder
- Converts wide band optical signals to standard DWDM/CWDM wavelengths
- Supports wide range of services like: 1GbE, 10GbE, 25GbE, FC 16G, FC32G, CPRI: 24.33 Gbit/s, all video SFPs (e.g., 3G-SDI, 12G-SDI)

#### Applications

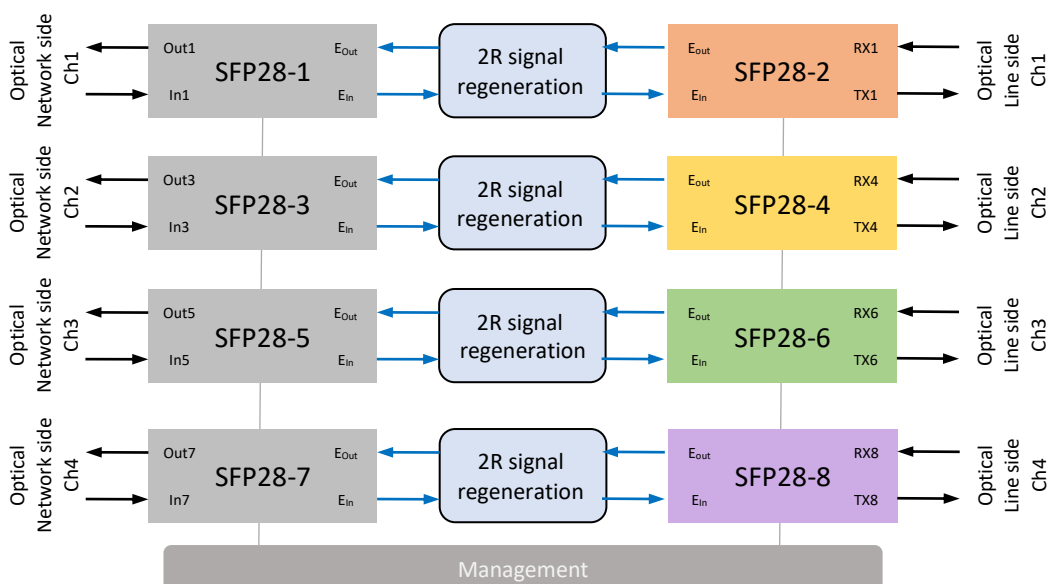
- Conversion and regeneration of signals for 1 to 25 Gb services in WDM transport systems

#### Description

X86-OTDE is a 4-channel transponder card. All ports have SFP28 interface on line and network side that allow insertion of any SFP, SFP+ or SFP28 standard pluggable devices that supports transmission speed from 100 Mbit/s to 28 Gbit/s. Transponder supports also high power devices – total power consumption of all pluggable devices can be up to 20W. Transponder provides 2R signal regeneration (reamplification, reshaping).

X86-OTDE is high density and highly cost effective solution for 1Gb to 25Gb signal conversion and amplification where clock regeneration is not required. It supports wide variety of signal speeds and formats like Ethernet, Storage and CPRI.

#### Functional Structure



## Technical Specifications

Parameter	Technical Indicators
Product model	X86-OTDE
Function	<ul style="list-style-type: none"> <li>Quad transponder with channel clock rates from 100 Mbit/s to 28 Gbit/s</li> </ul>
Service type <sup>1</sup>	<ul style="list-style-type: none"> <li>1GbE, 10GbE, 25GE</li> <li>FC1, FC2, FC4, FC8, FC16, FC32</li> <li>CPRI: Rate 1 (614Kb/s) to Rate 10 (24.33 Gbit/s)</li> <li>All video SFPs</li> </ul>
Size	Occupies 1 slot of X8600 series chassis
WDM technology <sup>1</sup>	All ports can be used with SFP, SFP+ or SFP28 pluggables of following types: (wideband) LX, SX, any of 18 CWDM wavelengths with reach of up to 120 km or any of DWDM C or L Band with 100 GHz or 50 GHz spacing with reach of up to 80 km
Signal regeneration	Support 2R function: Re-amplifying, Re-shaping
Network management functions	<ul style="list-style-type: none"> <li>Supports real time monitoring of port status, including: transmitting optical power, receiving optical power, temperature, voltage and current for each transceiver module</li> </ul>
Interface	8x SFP28 ports
Typical power consumption	20 W
MTBF	> 100000 hours

Note1: determined by the type of inserted pluggable device

## Ordering information

Part number	Product Description
X86-OTDE	XenOpt X8600 OTDE Quad 25G Transponder

### Notes

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

### Important Notice

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