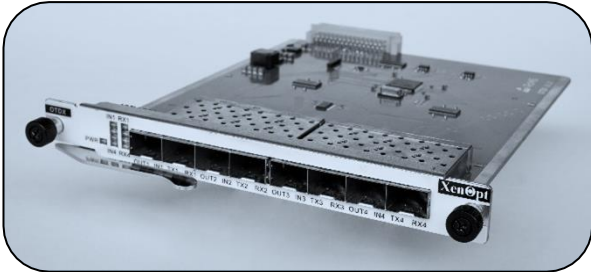




# X86-OTDX5

XenOpt X8600 OTDX5 10G Transponder



### Application

- Conversion and regeneration of signals for 42 M to 10 Gb services in WDM transport systems

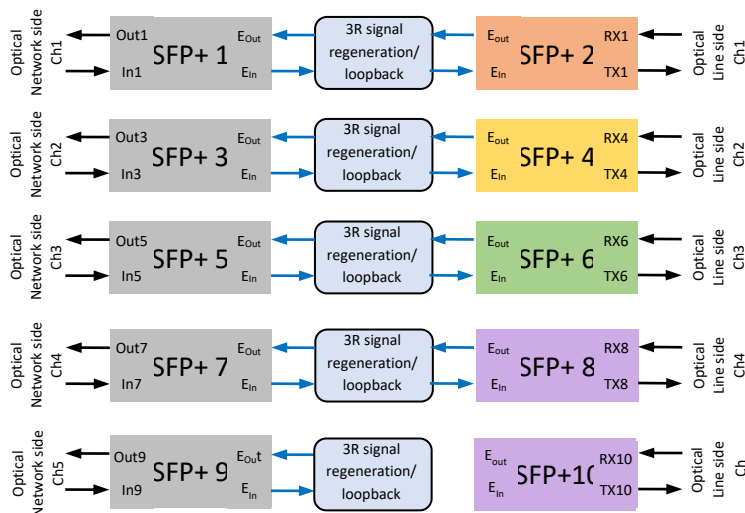
### Features

- 5 channel bidirectional transponder card
- With data rate from 42 Mbit/s to 11.3 Gbit/s
- Provides regeneration of signals that pass the transponder
- Converts wide band optical signals to standard DWDM/CWDM wavelengths
- Supports wide range of services like: FE, 1GbE, 10GbE, STM-1/4/16/64, FC 1G/2G/4G/8G/10G, FICON, FICON Express, ESCON, CPRI: 0,61/1,23/2,46/3,07/4,92/6,14/9.83/10,14 Gbit/s, OTN: OTU2, OTU2V

### Description

X86-OTDX is a 5-channel transponder card. All ports have SFP+ interface on line and network side that allow insertion of SFP and SFP+ standard pluggable devices that support transmission speed from 42 Mbit/s to 11.3 Gbit/s. Transponder provides signal regeneration (reamplification, reshaping, retiming). Error threshold levels can be user defined. It can be used for special applications like Video distribution.

### Functional diagram



## Technical Specifications

Parameter	Technical Indicators
Product model	<b>X86-OTDX5</b>
Function	<ul style="list-style-type: none"> <li>● Transponder with rates from 42 Mbit/s to 11.3 Gbit/s</li> <li>● It supports unidirectional transmission of 10-channel services with any rate from 42 Mbit/s to 11.3 Gbit/s</li> </ul>
Service type	<ul style="list-style-type: none"> <li>● FE, 1GE, 10GE, STM-1/4/16/64,</li> <li>● FC 1G/2G/4G/8G/10G, FICON, FICON Express, ESCON</li> <li>● CPRI: 0.61/1.23/2.46/3,07/4,92/6.14/9.83/10,14/ Gbit/s, OTN: OTU1, OTU2, OTU2V</li> </ul>
Size	Occupies 1 slot of X8600 series chassis
WDM technology	All ports can be used with SFP and SFP+ pluggables of the 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 3R function: Re-amplifying, Re-timing, 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> <li>● Supports selecting operating rate of each port</li> <li>● Supports port shutdown</li> </ul>
Interface	10x SFP/SFP+ ports
Typical power consumption	20 W (depending on pluggables used)
MTBF	> 100000 hours

## Ordering information

Part number	Product Description
X86-OTDX5	XenOpt X8600 OTDX 10G 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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