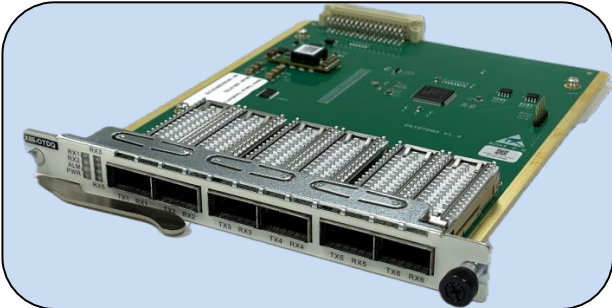




# X86-OTDQ3

6 Channels 100G Transponder Card

X86-OTDQ3 6 Channels 100G Transponder Card



### Applications

- 40 G or 100 G Ethernet
- Local and Metro interconnect networks

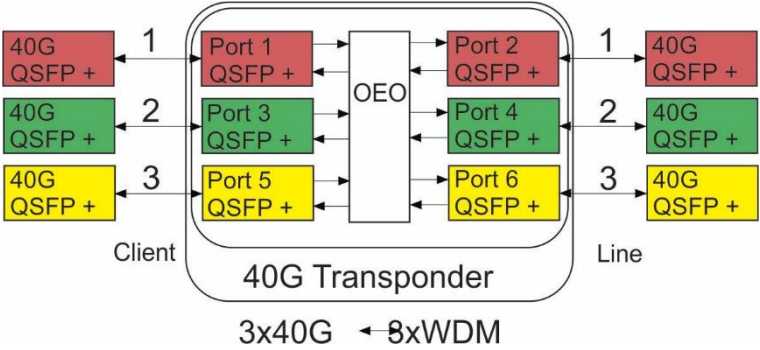
### Description

X86-OTDQ3 is XenOpt’s transponder module contains 3 pairs of QSFP28 sockets. Each socket pair can accommodate either **40 Gbit/s** or **100 Gbit/s** pluggable modules that convert and regenerate optical signals to four lanes of electrical signals and pass them electrically to a companion module that converts them back to optical signals. The X86-OTDQ3 transponder module can be used to convert three channels of 40/100Gb signals from optical signals used for local transmission (i.e., 100Gb SR) to optical signals that are used for long-distance communication (i.e., 100Gb ZR or 100Gb DWDM). When used with the Chassis management module, the transponder module provides standard diagnostics information like optical powers, temperatures, and electrical powers for each pluggable module that is inserted in the transponder module.

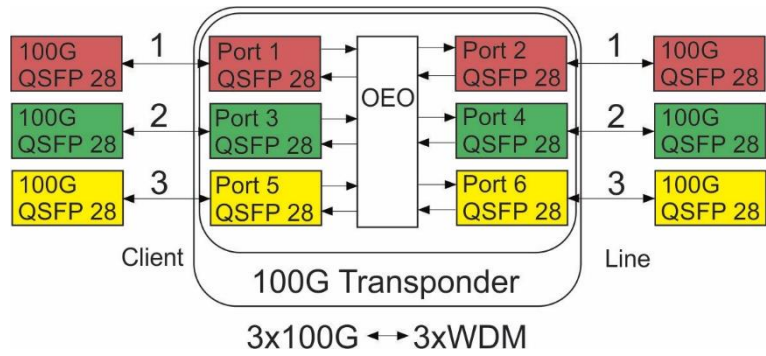
### Features

- Three independent channels of 40G or 100G optical signal retransmission
- Single-mode (LX) and multi-mode (SR) modules on client side and LX, ER, ZR, CWDM, DWDM modules supported on line side.
- 40G or 100G Ethernet
- Very low latency conversion
- 3R function support - Re-amplifying, Re-timing, Re-shaping
- QSFP+ or QSFP28 support

### Functional Structure



Functional Structure (cont)



Product Specification

Function	Description
Product Model	X86-OTDQ3
Basic function	3 channel transponder for 40G or 100G service
Access service type	40G or 100G Ethernet
Size	1 standard slot of the X8600 series platform
3R technology	Supports 3R function: Re-amplifying, Retiming, Re-shaping
Network management function	Supports real time monitoring of the port working state, including: transmitting optical power and receiving optical power, temperature, etc.
Optical interface	Six pluggable optical QSFP+ or QSFP28 modules
Typical power consumption	20 W, depending on pluggable modules used
MTBF	> 100000 hours

Ordering information

PN	Description
X86-OTDQ3	6 Channels 100G Transponder card, -5°C~+70°C

To find out more, please contact: