

XenOpt

X86-P514

200G Muxponder Board



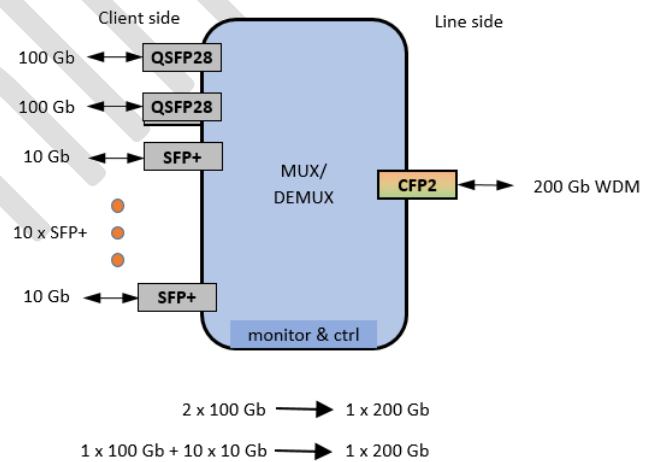
Features

- Mapping 2x 100GE or 1x100GE and 10x 10GE services to single OTUC2 line side service
- Line side 100-200Gb CFP2-DCO pluggable module
- Line side tunable in extended C-Band range (191.35 to 196.1 THz)
- Client side 2x QSFP28 and 10x SFP+ optical pluggable ports
- ITU-T standards support

Applications

- For Metro and long distance communications (up to 1000 km)
- For campus connections and data center interconnect (DCI) solutions
- It can be seamlessly integrated into existing OTN/DWDM installations

Function Structure



Description

The X86-P614 200G Muxponder service board can multiplex 10x10GbE and 1x100GbE or 2x100GbE services on client side to single OTUC2 service on Line side using CFP2-DCO (Digital Coherent Optics) pluggable module. This module provides tunable optical DWDM signal in extended C-Band range and incorporates advanced technologies like coherent detection with CD compensation to enable ultra-long distance transmission. Muxponder board can provide up to 30W power to Line side CFP2-DCO module. Modules on Client side are standard SFP+ and QSFP28 compliant pluggable modules that can consume up to 3W for SFP+ and up to 5W for QSFP28. This enables use of wide variety of pluggable interface modules for client side connections.

Product Specifications

Parameter	Description
Occupied slots	1/2 slot for X8600-DCI4 IN DCI8 chassis
Line side	<ul style="list-style-type: none"> • 1 CFP2 optical port: using 200G CFP2-DCO module, pluggable • Tunable optical line signal in extended C-Band (191.35~196.1 THz) with 75GHz and 100GHz channel spacing
Client side	Supports 2x QSFP28 supporting standard CAUI-4 compatible transceivers with up to 5.5 W power consumption and 10x SFP+ supporting standard wide band (MX, LX) and colored CWDM and DWDM 10GbE transceivers with power consumption of up to 3W per SFP+
OTN functionality	<ul style="list-style-type: none"> • Supports ITU-T G709 recommended frame format for line side FEC • The ODUk (k=2, 2e, 4, C2) layer supports SM functions • OTUC2 with support for SM functions
Supported service Types	Client side service type are 10GE, 100GE, 100GE FlexE (Unware), STM-64, 10GE WAN, OTU2, OTU4
Loopback	Transponder supports line-side and client-side loopback test functions
ALS	Automatic Line shutdown is supported for safer handling
LLDP	LLDP supported on client side
Protection function	With external protection module, can provide line side protection with client-side link down indication when protection optical path is used.
Performance monitoring and alarm monitoring	<ul style="list-style-type: none"> • Line-side OTN layer performance monitoring and alarm monitoring functions • Client-side Ethernet line and framing error alarms • Line-side Optical channel OSNR, temperature, current, optical power, etc. monitoring • Client side: Ethernet RMON monitoring and Ethernet PCS layer performance statistics

Ordering information¹

Part number	Product Description
X86-P514	200G Muxponder Service Card

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. XenOpt does not guarantee errorless or outdated information.

Please specify any compatibility requirements at time of ordering. Standard MSA compatible pluggable components may not work or some function of these components may not be available in devices that require customized compatible devices. Pluggable components compatible with one type of communications equipment may not work in other type of communications equipment.

Important Notice

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