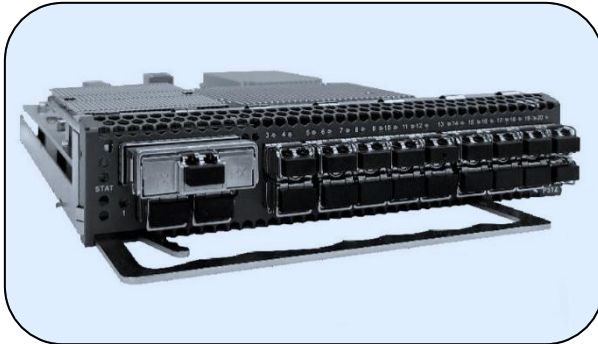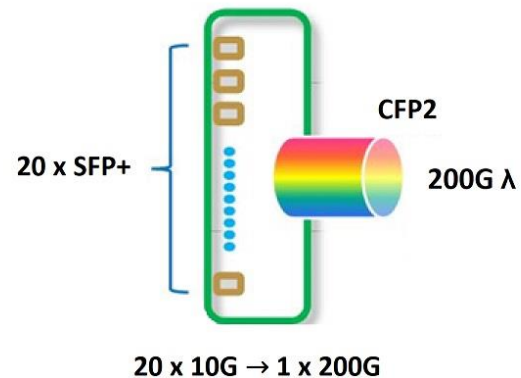# XenOpt

X86-P512

200G Muxponder Card

Features

- 1 CFP2-DCO module hot-pluggable
- Line side tunable 191.35 THz ~ 196.1 THz frequency range, 50 GHz, 75 GHz and 100 GHz adjustable options
- Twenty 10G service signals mapping to 1 OTUC2 signal
- Client side support 20 hot-pluggable SFP+ modules
- ITU-T standards support

Applications

- Can be effectively used for communication within cities and also for connecting distant locations (up to 1000 km)
- Well-suited for transmitting data between data centers, campuses, cloud computing etc. (DCI network transmission)
- It can be seamlessly integrated into the current OTN/DWDM 200G setups

Function Structure

20 x SFP+   CFP2   200G λ

20 x 10G → 1 x 200G

Description

The 200G Muxponder service card X86-P512 can map 20x10G optical signal (client side) into 1 OTUC2 signal and interconvert OTUC2 signals with optical signals of Wavelength Division Multiplexing (WDM) that adhere to ITU-T standards. On the line side, the card utilizes a pluggable CFP2 DCO (Digital Coherent Optics) module. This module incorporates advanced technologies to support ultra-long distance transmission on amplified optical lines. Muxponder transforms twenty 10Gb services over single DWDM channel.

Product Specifications

Parameter	Description
Function	Supports 20x10G service signals mapping to 1 OTUC2 signal
Slot number	1/2 slot
Line side	Supports 1 CFP2-DCO module hot-pluggable
Client side	Supports 20 SFP+ modules hot-pluggable
OTN function	• Frame format and overhead handling using ITU-T G709 recommendations • ODUk (k=2, 2e, 4, C2) layer: support for PM and other functions. • OTUk (k=C2) layer: support for SM functions
Wavelength tunable	The range covers 191.35 THz ~ 196.1thz, and supports 50GHz, 75 GHz and 100 GHz adjustable
Support service types	10GE, STM-64, 10GE WAN, OTU2
Time delay measurement	Online delay measurement based on ODU layer
Loop back	Support line side and client side loopbacks
LLDP	Ethernet Support
Performance monitoring and alarm monitoring	• Support OTN performance monitoring and alarm monitoring • Support temperature, current and power monitoring of optical module • Support Ethernet RMON monitoring • Support Telemetry

Ordering information[1]

Part number	Product Description
X86-P512	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

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by XenOpt before they become applicable to any particular order or contract. In accordance with the XenOpt policy of continuous improvement specifications may change without notice.

The product image is only for reference purpose

The publication of information in this data sheet does not imply freedom from patent or other protective rights of XenOpt or others. Further details are available from any XenOpt sales representative.

To find out more, please contact:

XenOpt
www.xenopt.com