

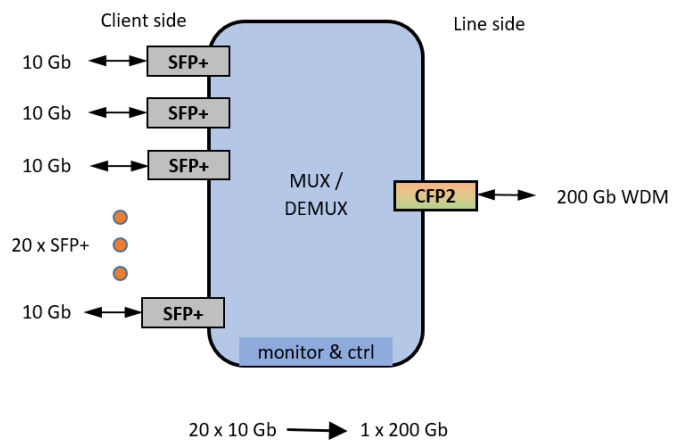
#### Features

- 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



#### 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
<b>Function</b>	Supports 20x10G service signals mapping to 1 OTUC2 signal
<b>Slot number</b>	1/2 slot
<b>Line side</b>	Supports 1 CFP2-DCO module hot-pluggable
<b>Client side</b>	Supports 20 SFP+ modules hot-pluggable
<b>OTN function</b>	<ul style="list-style-type: none"> <li>• Frame format and overhead handling using ITU-T G709 recommendations</li> <li>• ODUk (k=2, 2e, 4, C2) layer: support for PM and other functions.</li> <li>• OTUk (k=C2) layer: support for SM functions</li> </ul>
<b>Wavelength tunable</b>	The range covers 191.35 THz ~ 196.1thz, and supports 50GHz, 75 GHz and 100 GHz adjustable
<b>Support service types</b>	10GE, STM-64, 10GE WAN, OTU2
<b>Time delay measurement</b>	Online delay measurement based on ODU layer
<b>Loop back</b>	Support line side and client side loopbacks
<b>LLDP</b>	Ethernet Support
<b>Performance monitoring and alarm monitoring</b>	<ul style="list-style-type: none"> <li>• Support OTN performance monitoring and alarm monitoring</li> <li>• Support temperature, current and power monitoring of optical module</li> <li>• Support Ethernet RMON monitoring</li> <li>• Support Telemetry</li> </ul>

### Ordering information<sup>1</sup>

Part number	Product Description
X86-P512	200G Muxponder Service Card

**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. 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.

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