

Muxponder 2*100G+10*10G

P514 (2*100G+10*10G Muxponder)

Muxponder 2*100G+10*10G

Variants

P514

Details

Overview:

The 2*100G+10*10G+ Muxponder service card (P514) launched by Eman Communications supports mapping 2x100G optical signals or 1x100G+10x10G optical signals received on the client side to 1 OTUC2 signal and interconverting OTUC2 signals with optical signals of WDM wavelengths conforming to ITU-T standards. The line side adopts pluggable CFP2-DCO to achieve ultra long distance transmission based on advanced technologies such as coherent detection.

Applications:

Suitable for transmission over metropolitan networks and long-distance networks up to 1000 km

Suitable for high-capacity DCI network transmission for enterprises, campuses, cloud computing, etc.

Suitable for 200G links in existing OTN/DWDM infrastructures

Product Specification:

Feature	Description
Function	200G Muxponder (P514)
Slot number	2 slots
Line side	1 CFP2 port: adopts 200G & 400G CFP2-DCO module, pluggable
	Support wavelength adjustable, covering 191.35~196.1 THz.
	Support light-emitting power adjustable
	Support single fiber bidirectional transmission (optional)

Feature	Description
Client side	Support 2 QSFP28, 10 SFP+ modules hot-pluggable
Frame format & overhead handling	ITU-T G709 recommendations
OTN function	ODUk (k=2, 2e, 4, C2) layer: support for PM and other functions
	OTUk (k=2, 4, C2) layer: support for SM functions
Support service types	10GE, 100GE, 100GE FlexE(Unware), FC 8G/16G, STM-64, OTU2/4
Time delay measurement	Online delay measurement based on ODU layer
Loop back	Support line side and client side loopbacks
LLDP	Ethernet Support
Performance monitoring & alarm monitoring	Support OTN performance monitoring and alarm monitoring
	Support temperature, current, and power monitoring of optical module
	Support Ethernet RMON monitoring
	Support Telemetry