Muxponder 2*100G+10*10G

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

Muxponder 2*100G+10*10G

Variants

P514

Details

2×100G + 10×10G+ Muxponder Service Card – P514

The P514 Muxponder service card from Eman Communications supports mapping 2 × 100G optical signals, or 1 × 100G + 10 × 10G optical signals from the client side into 1 OTUC2 signal. It also supports interconversion between OTUC2 signals and WDM optical wavelengths compliant with ITU-T standards. The line side uses pluggable CFP2-DCO modules for ultra-long-distance transmission.

Applications

Use Cases
Suitable for metropolitan and long-distance transmission networks up to 1000 km
Suitable for high-capacity DCI transmission in enterprises, campuses, and cloud computing networks
Suitable for 200G links in existing OTN / DWDM infrastructures

Technical Specifications

Feature	Description

Function	200G Muxponder (P514)
Slot Number	2 slots
Line Side	1 × CFP2 port, pluggable Supports 200G & 400G CFP2-DCO modules Supports adjustable wavelength covering 191.35 ~ 196.1 THz Supports adjustable transmit power Supports single-fiber bidirectional transmission (optional)
Client Side	Supports 2 × QSFP28 and 10 × SFP+ hot-pluggable modules
Frame Format & Overhead Handling	Based on ITU-T G.709 recommendations
OTN Function	ODUk (k = 2, 2e, 4, C2) layer: supports PM and related functions OTUk (k = 2, 4, C2) layer: supports SM functions
Supported Service Types	10GE, 100GE, 100GE FlexE, FC 8G / 16G, STM-64, OTU2 / OTU4
Time Delay Measurement	Online delay measurement based on ODU layer
Loopback	Supports line-side and client-side loopback
LLDP	Ethernet supported
Performance Monitoring & Alarm Monitoring	Supports OTN performance monitoring and alarm monitoring Supports optical module temperature, current, and optical power monitoring Supports Ethernet RMON monitoring Supports Telemetry

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