P524 (2*200G Muxponder)

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Details

2×200G Muxponder Service Card – P524

The P524 Muxponder service card from D-TECH Trading supports mapping 4 × 100G optical signals from the client side into 2 × OTUC2 signals. It also enables interconversion between OTUC2 signals and WDM optical wavelengths compliant with ITU-T standards. The line side adopts pluggable CFP2-DCO modules for ultra-long-distance transmission using advanced coherent detection technology.

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 environments
Suitable for 200G links in existing OTN / DWDM infrastructures

Technical Specifications

Feature	Description
Function	Supports 4 × 100G service signals mapping to 2 × OTUC2 signals

Slot / Line Side	2 × CFP2 ports (200G / 400G CFP2-DCO, pluggable) Supports adjustable wavelength: 191.35 ~ 196.1 THz Supports adjustable transmit power Supports 100G / 200G rate switching Supports single-fiber bidirectional transmission (optional)
Client Side	Supports 4 × QSFP28 modules (hot-pluggable)
Frame Format & Overhead	Based on ITU-T G.709 recommendations
OTN Function	ODUk (k = 4, C2): supports PM and related functions OTUk (k = 4, C2): supports SM functions
Supported Services	100GE, 100GE FlexE, OTU4
Time Delay Measurement	Online delay measurement based on ODU layer
Loopback	Supports line-side and client-side loopback
LLDP	Ethernet supported
Protection Function	No client-side sensing during protection reversal (with optical protection board, optional) Supports OTN performance monitoring and alarm monitoring
Performance Monitoring & Alarm	Supports optical module temperature, current, and optical power monitoring Supports Ethernet RMON monitoring Supports Telemetry

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