P624 (2*400G Muxponder)

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Details

2×400G Muxponder Service Card – P624

The P624 Muxponder service card from D-TECH Trading supports mapping 8 × 100G optical signals from the client side into 2 × OTUC4 signals. It also enables interconversion between OTUC4 signals and WDM optical wavelengths compliant with ITU-T standards. The line side uses pluggable CFP2-DCO coherent modules for ultra-long-distance transmission.

Applications

Use Cases
Suitable for metropolitan and long-distance transmission networks up to 600 km
Suitable for high-capacity DCI transmission in enterprises, campuses, and cloud computing environments
Suitable for 400G links in existing OTN / DWDM infrastructures

Technical Specifications

Parameter	Description
Model	2×400G Muxponder (P624)
Function	Supports 8 × 100G service signals mapping to 2 × OTUC4 signals
Slot Number	2 slots

Line Side	2 × CFP2 optical ports (400G CFP2-DCO, pluggable) Tunable wavelength: 191.35 ~ 196.1 THz Adjustable transmit optical power Supports 100G / 200G / 400G rates Optional single-fiber bidirectional transmission
Client Side	Supports 8 × QSFP28 modules (hot-pluggable)
Frame Format & Overhead	Compliant with ITU-T G.709 standards
OTN Function	ODUk (k = 4, C4): Performance Monitoring (PM) OTUk (k = 4, C4): Section Monitoring (SM)
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 switching (with optional optical protection board)
Performance & Alarm Monitoring	OTN performance monitoring Alarm monitoring functions Optical module temperature monitoring Optical module current monitoring Tx/Rx optical power monitoring Ethernet RMON monitoring Telemetry support

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