P512 20*10G Muxponder

P512 (20*10G Muxponder)

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Details

20×10G Muxponder Service Card (P512)

Overview

The 20×10G Muxponder service card (P512) launched by D Tech Trading supports mapping 20 × 10G optical signals received on the client side into 1 OTUC2 signal and interconverting the OTUC2 signal with WDM wavelength optical signals in compliance with 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

No.	Application
1	Suitable for metropolitan and long-distance transmission networks up to 1000 km
2	Suitable for high-capacity DCI transmission for enterprises, campuses, and cloud computing
3	Suitable for 200G links in existing OTN / DWDM infrastructures

Product Specifications

Feature	Details
Muxponder Type	200G Muxponder (P512)
Slots	2 Slots

Line Side	2 CFP2 ports using 200G / 400G CFP2-DCO modules, pluggable
Client Side	Supports 20 SFP+ modules, hot-pluggable
Function	Supports mapping 20 × 10G service signals to 1 OTUC2 signal Supports adjustable wavelength range: 191.35 ~ 196.1 THz Supports adjustable optical transmit power Supports 100G / 200G rate adjustment Supports optional single-fiber bidirectional transmission
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, FC 8G / 16G, STM-64, OTU2
Time Delay Measurement	Online delay measurement based on ODU layer
Loopback	Supports line-side and client-side loopbacks
LLDP	Ethernet Support
OTN Performance Monitoring	Supports OTN performance monitoring and alarm monitoring
Performance Monitoring & Alarm Monitoring	Supports temperature, current, and optical power monitoring of modules Supports Ethernet RMON monitoring Supports Telemetry

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