

P512 (20*10G Muxponder)

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Details

Overview

The 20*10G Muxponder service card (P512) launched by D Tech Trading mapping the 20x10G optical signal received on the client side to a 1 OTUC2 signal and interconverting the OTUC2 signal with the optical signal of WDM wavelength in compliance with ITU-T standards. The line side adopts pluggable CFP2-DCO to realize ultra-long distance transmission based on advanced technologies such as coherent detection.

Application:

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	Details
Muxponder Type	200G Muxponder (P512)
Slots	2 slots
Line Side	2 CFP2 ports: using 200G & 400G CFP2-DCO modules, pluggable
Client Side	Support 20 SFP+ modules hot-pluggable
Function	- Support 20x10G service signals mapping to 1 OTUC2 signal
	- Support wavelength adjustable, covering 191.35~196.1 THz.
	- Support light-emitting power adjustable
	- Support 100G/200G rate adjustable

Feature	Details
	- Support single fiber bidirectional transmission (optional)
Frame Format & Overhead Handling	Using ITU-T G709 recommendations
OTN Function	- ODUk (k=2, 2e, 4, C2) layer: support PM and other functions
	- OTUk (k=2, 4, C2) layer: support SM functions
Supported Service Types	10GE, FC 8G/16G, STM-64, OTU2
Time Delay Measurement	Online delay measurement based on ODU layer
Loop Back	Support line side and client side loopbacks
LLDP	Ethernet Support
OTN Performance Monitoring	- Support OTN performance monitoring and alarm monitoring
Performance Monitoring & Alarm Monitoring	- Support temperature, current, and power monitoring of optical module
	- Support Ethernet RMON monitoring
	- Support Telemetry