

P524 (2*200G Muxponder)

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Details

Overview:

The 2*200G Muxponder service card (P524) launched by D Tech Trading supports mapping 4x100G optical signals received on the client side into 2 OTUC2 signals and interconverting OTUC2 signals with optical signals of WDM wavelengths conforming to ITU-T standards. The line side adopts pluggable CFP2-DCO to achieve ultra-long distance transmission based on advanced technologies such as coherent detection.

Application case

It is Suitable for transmission over metropolitan networks and long-distance networks up to 1000 km.

It is Suitable for high-capacity DCI network transmission for enterprises, campuses, cloud computing, etc.

It is Suitable for 200G links in existing OTN/DWDM infrastructures.

Technical Specification:

Feature	Description
Function	Support 4x100G service signals mapping to 2 OTUC2 signals
Slot Number	<ul style="list-style-type: none">- 2 CFP2 ports: using 200G & 400G CFP2-DCO modules, pluggable- Support wavelength adjustable, covering 191.35~196.1 THz- Support light-emitting power adjustable- Support 100G/200G rate adjustable- Support single fiber bidirectional transmission (optional)- Support 4 QSFP28 modules hot-pluggable
Frame Format & Overhead Handling	Using ITU-T G709 recommendations
OTN Function	<ul style="list-style-type: none">- ODUk (k=4, C2) layer: support for PM and other functions

Feature	Description
	- OTUk (k=4, C2) layer: support for SM functions
Support Services	100GE, 100GE FlexE(Unware), OTU4
Time Delay Measurement	Online delay measurement based on ODU layer
Loopback	Support line side and client-side loopbacks
LLDP	Ethernet Support
Protection Function	- No client-side sensing during protection reversal if with optical protection board (optional)
	- Support OTN performance monitoring and alarm monitoring functions
Performance Monitoring and Alarm Monitoring	- Support optical module temperature, current, optical power monitoring, etc.
	- Support Ethernet RMON monitoring
	- Support Telemetry

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