P616 (400G Muxponder)

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Details

Product Description:

The 400G Muxponder service card (P616) launched by D Tech Trading supports mapping 1x400G optical signal or 4x100G optical signals received on the client side to 1 OTUC4 signal and interconverting OTUC4 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.

Applications:

Suitable for transmission over metropolitan networks and long-distance networks up to 600 km

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

Suitable for 400G links in existing OTN/DWDM infrastructures

Product Specification

Parameter	Description
400G Muxponder (P616)	
Function	Support 1x400G or 4x100G service signals mapping to 1 OTUC4 signal
Slot number	
Line side	- Support 1 CFP2 port: adopts 400G CFP2-DCO module, hot-pluggable
	- Support wavelength adjustable, the range covers 191.35~196.1 THz.
	- Support light-emitting power adjustable
	- Support 100G/200G/400G rate adjustable
	- Support single fiber bidirectional transmission (optional)

Parameter	Description
Client side	- Support 1 QSFP-DD/QSFP28, 3 QSFP28 modules hot-pluggable
OTN function	- Frame format and overhead handling using ITU-T G709 recommendations
	- ODUk (k=4, C4) layer support PM and other functions
	- OTUk (k=4, C4) layer support SM functions
Support services	100GE, 100GE FlexE(Unware), 400GE, 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)
Performance monitoring and alarm monitoring	
	- Support OTN performance monitoring and alarm monitoring functions
	- Support optical module temperature, current, optical power monitoring, etc.
	- Support Ethernet RMON monitoring

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