P616 (400G Muxponder)

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Details

400G Muxponder Service Card (P616)

Product Description

The 400G Muxponder service card (P616) launched by D Tech Trading supports mapping **1 × 400G** optical signal or **4 × 100G** optical signals received on the client side to **1 OTUC4** signal, and interconverting OTUC4 signals with WDM wavelength optical signals 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

No.	Application
1	Suitable for metropolitan and long-distance transmission networks up to 600 km
2	Suitable for high-capacity DCI transmission for enterprises, campuses, and cloud computing
3	Suitable for 400G links in existing OTN / DWDM infrastructures

Product Specifications

Parameter	Description
Product Name	400G Muxponder Service Card (P616)
Function	Supports mapping of 1 × 400G or 4 × 100G service signals into 1 OTUC4 signal

Line Side	Supports 1 CFP2 port using 400G CFP2-DCO module, hot-pluggable
Line Side Wavelength	Adjustable wavelength range: 191.35 ~ 196.1 THz
Line Side Features	Adjustable transmit power Supports 100G / 200G / 400G rate adjustment Supports optional single-fiber bidirectional transmission
Client Side	Supports 1 × QSFP-DD / QSFP28 and 3 × QSFP28 modules, hot-pluggable
OTN Function	Frame format and overhead handling based on ITU-T G.709 ODUk (k = 4, C4) supports PM and related functions OTUk (k = 4, C4) supports SM functions
Supported Services	100GE, 100GE FlexE (Unaware), 400GE, 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 reversal when used with optional optical protection board
Monitoring	Supports OTN performance and alarm monitoring Supports optical module temperature, current, and optical power monitoring Supports Ethernet RMON monitoring

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