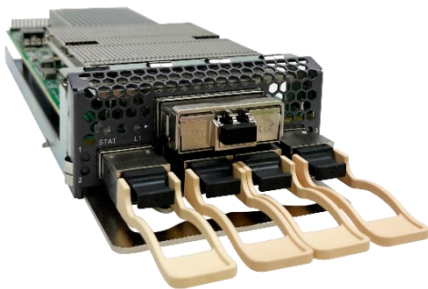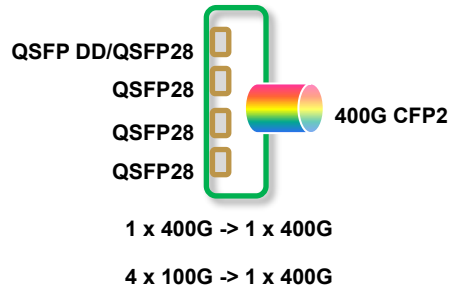# 400G Muxponder (CFP2): P616

The 400G Muxponder service card (P616) launched by Sintai Communication 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.

Product view

Function structure

QSFP DD/QSFP28
QSFP28
QSFP28
QSFP28

400G CFP2

1 x 400G -> 1 x 400G

4 x 100G -> 1 x 400G

Application case

● 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

400G Muxponder (P616)	
Function	Support 1x400G or 4x100G service signal mapping to 1 OTUC4 signal
Slot number	1 slot
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~400G rate adjustable ● Support single fiber bidirectional transmission (optional)
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	Support line-side online delay measurement based on ODU layer
Loopback	Support line side and client-side loopbacks
LLDP	100GE, 400GE service support
Alarm delay insertion	Support Local Fault alarm delay insertion and delay time setting
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 ● Support Telemetry

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