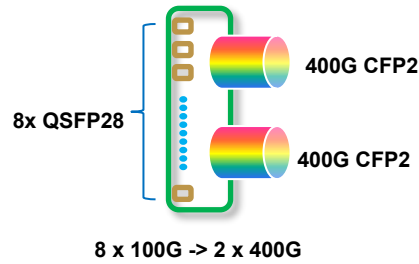# 2*400G Muxponder (CFP2): P624

The 2*400G Muxponder service card (P624) launched by Sintai Communication supports mapping 8x100G optical signals received on the client side into 2 OTUC4 signals 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

8 x 100G -> 2 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

2*400G Muxponder (P624)	
Function	Support 8x100G service signals mapping to 2 OTUC4 signal
Slot number	2 slots
Line side	• 2 CFP2 optical ports: adopts 400G CFP2-DCO module, hot-pluggable • Support wavelength adjustable, range covers 191.35~196.1 THz • Support adjustable light-emitting power • Support 100G~400G rate adjustable • Support single fiber bidirectional transmission (optional)
Client side	Support 8 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=C4, C4) layer support SM functions
Support services	100GE, 100GE FlexE(Unware), OTU4
Time delay measurement	Support line-side online delay measurement based on ODU layer
Loopback	Support line side and client-side loopbacks
LLDP	100GE service support
ALS	Client side support when accessing non-OTN services
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