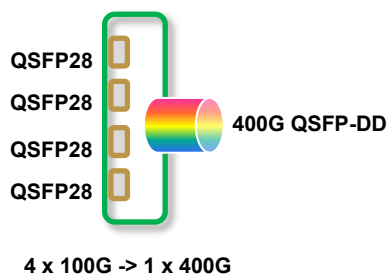# 400G Muxponder (QSFP-DD): P614

The 400G Muxponder service card (P614) launched by Sintai Communication supports mapping 4x100G signals received on the client side into 1 OTUC4 signal and interconverting the OTUC4 signal with ITU-T compliant WDM wavelength optical signals. The line side adopts pluggable QSFP-DD DCO to realize ultra-long distance transmission based on advanced technologies such as coherent detection.

Product view

Function structure

4 x 100G -> 1 x 400G

Application case

- Suitable for transmission over metropolitan networks and long-distance networks up to 450 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 (P614)	
Function	Support 4x100G service signal mapping to 1 OTUC4 signal
Slot number	1 slot
Line side	● Support QSFP-DD port: adopts 400G QSFP-DD DCO module, hot-pluggable ● Support wavelength adjustable, the range covers 191.35~196.1 THz ● Support light-emitting power adjustable **(-13 to -9dBm range)** ● Support 100G/200G/400G rate adjustable
Client side	Support 4 QSFP28 modules, hot-pluggable
OTN function	● Frame format and overhead handling using ITU-T G709 recommendations ● ODUk (k=C4) layer support PM and other functions ● OTUk (k=C4) layer support SM functions
Support services	100GE, 100GE FlexE(Unware)
Loopback	Support line side and client-side loopbacks
LLDP	Support
ALS	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