

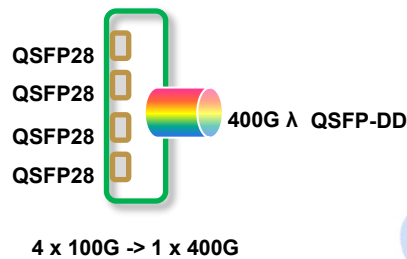
400G Muxponder Service Card: P614

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



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 | <ul style="list-style-type: none"> ● 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 | <ul style="list-style-type: none"> ● 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) |
| Loopback | Support line side and client-side loopbacks |
| ALS | Support |
| LLDP | Ethernet Support |
| Protection function | No client-side sensing during protection reversal if with optical protection board |
| Performance monitoring and alarm monitoring | <ul style="list-style-type: none"> ● Support line-side OTN layer performance monitoring and alarm monitoring function ● Supports client-side Ethernet LF/RF alarms ● Supports optical channel OSNR, temperature, current, optical power monitoring, etc. ● Supports Ethernet RMON monitoring ● Supports Ethernet PCS layer performance statistics |