

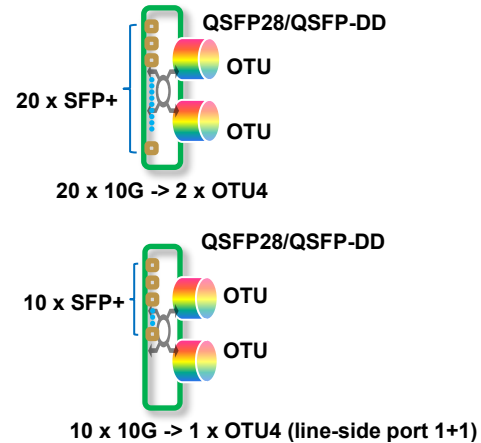
100G Muxponder: P422

The 100G Muxponder service card (P422) launched by Sintai Communication supports mapping the 20x10G optical signal received by the client side into 2 independent OTU4 signals or 10x10G optical signals into 1x OTU4 signal (line-side port 1+1 protection). The line side supports QSFP28 gray optical module or QSFP28/QSFP-DD DCO coherent module to achieve transmission requirements for different distances and diverse networks.

Product view



Function structure



Application case

- For metro and long-haul network transmission up to 1500 km.
- For high-capacity DCI network transmission for enterprises, campuses, cloud computing, etc.
- 100G links for existing OTN/DWDM infrastructure

100G Muxponder (P422)	
Function	<ul style="list-style-type: none">● Support 20x10G service signal signals mapping to 2 xOTU4 signals● Support 10x10G service signal signals mapping to 1 xOTU4 signal (with line-side port 1+1 protection)
Slot number	2 slots
Line side	<ul style="list-style-type: none">● 2 QSFP28 / QSFP-DD ports: adopts 100G QSFP28 / QSFP-DD DCO module, hot-pluggable● Support wavelength adjustable, range covers 191.35~196.1THz (DCO module)
Client side	Support 20 SFP+ modules, hot-pluggable
OTN function	<ul style="list-style-type: none">● Frame format and overhead handling using ITU-T G709 recommendations● ODUk (k=2, 2e, 4) layer: support PM and other functions● OTUk (k=2, 2e, 4) layer: support SM functions
Support service types	10GE, STM-64, 10GE_WAN, FC800, FC1600, OTU2, OTU2e
Loop back	Support line side and client side loopback
LLDP	10GE service support
ALS	Client side support when accessing non-OTN services
Protection function	Support line-side port 1+1 protection (10*10G on client side)
Performance monitoring and alarm monitoring	<ul style="list-style-type: none">● Supports OTN performance monitoring and alarm monitoring.● Support optical module temperature, current, optical power monitoring, etc.● Support Ethernet RMON monitoring● Support Telemetry