

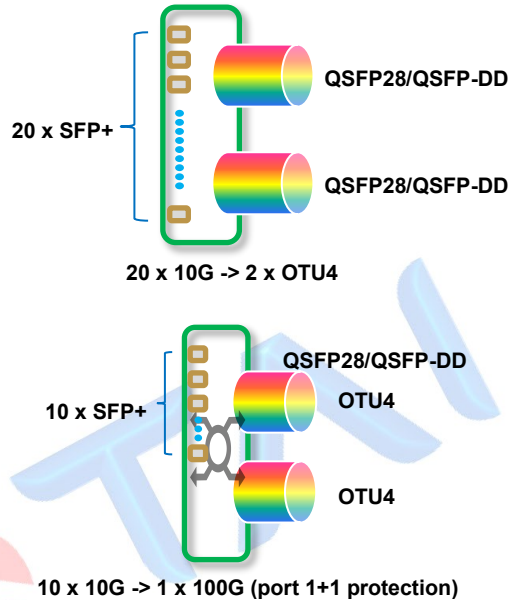
100G Muxponder: P422

The 100G Muxponder service board (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 with 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 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
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, 4) layer: support SM functions
Support service types	10GE, FC 8G/16G, STM-64, OTU2
Loop back	Support line side and client side loopback
Protection function	Support port 1+1 protection(10*10G on client side, 2*100G on line 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