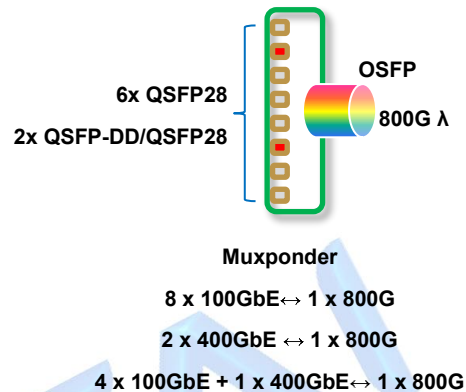# P716: 800G Muxponder(OSFP)

The 800G Muxponder service board (P716) launched by Sintai Communication carries multiple 100GbE and 400GbE services through one 800G wavelength and supports line rates from 400Gbit/s to 800Gbit/s. The line-side uses standard 800G OSFP pluggable coherent optical modules to provide a large-capacity, high-performance, cost-effective optical transmission solution.

Product view

Functional structure

6x QSFP28
2x QSFP-DD/QSFP28
OSFP
800G λ

Muxponder

8 x 100GbE↔ 1 x 800G

2 x 400GbE ↔ 1 x 800G

4 x 100GbE + 1 x 400GbE↔ 1 x 800G

Application scenario

- Suitable for metropolitan area network and long-distance network transmission up to 450km
- Suitable for large-capacity DCI network transmission in enterprises, campuses, cloud computing, etc.
- 800G links for existing OTN /DWDM infrastructure

Product specifications

800G Muxponder (P716)	
Occupied slot	2 slots
Line-side	• 1 OSFP optical port: 800G OSFP DCO module, pluggable • Support adjustable wavelength, range covering 191.25 ~ 196.1THz • Support adjustable light-emitting power, the range depends on the optical module • Support 400Gbit/s to 800Gbit/s programmable
Client-side	• 2 QSFP-DD/QSFP28 compatible optical ports • 6 QSFP28 optical ports are pluggable
Supported service types	400GbE, 100GbE
Loopback	Support inner loop and outer loop on line-side and client-side
LLDP	Receive mode only
ALS	Client-side support
Alarm delay insertion	Support Local Fault alarm delay insertion function and delay time setting
Alarm and performance monitoring	• Support line-side and client-side performance monitoring and alarm monitoring • Support Ethernet RMON monitoring • Support monitoring of optical module temperature, current, optical power, etc. • Support Telemetry
Typical power consumption	＜120W