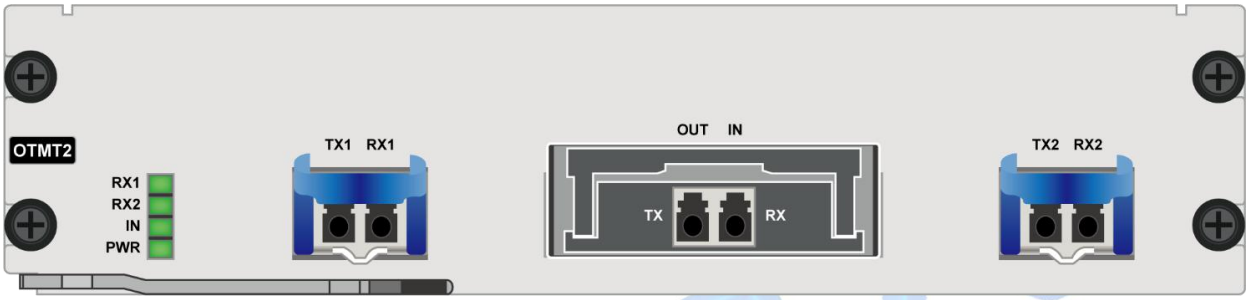
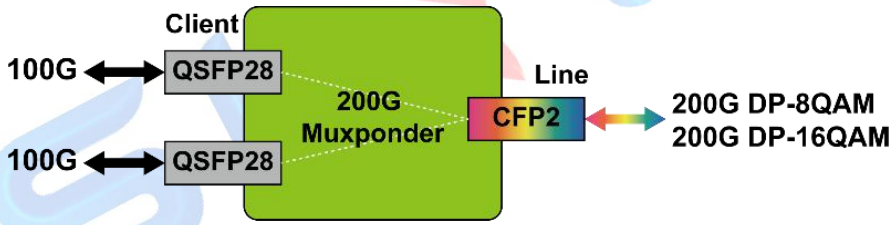
200G Muxponder：1*CFP2+2*QSFP28

The 200G Muxponer board launched by Guangzhou Sintai Communication Co., Ltd. supports 2x100G↔ 200G electrical layer multiplexing / demultiplexing and is converted into a 200G rate WDM standard wavelength optical signal, so that the multiplexing unit can deal with different wavelengths of light. The signal is wavelength-division multiplexed, and at the same time, the reverse of the above process is realized. The line side adopts advanced technologies such as DP-8QAM or DP-16QAM modulation and coherent reception, which overcomes the challenges of high-speed transmission systems for the physical effects of transmission such as OSNR requirements, CD tolerance, PMD tolerance and non-linearity. 800 kilometers without electric relay transmission, and supports C-band 96-wave (50GHz) tunable.

Product diagram



Functional structure



Product specification

Function	Note
Interface	● Client-side interface: 2 QSFP28 hot-pluggable ● WDM-side interface: 1 CFP2 hot-pluggable, coherent DP-8QAM or DP-16QAM
Line mode	Support two 100G service transmission, transform two 100G service optical signal into one 200G DWDM standard wavelength optical signal
Relay mode	Support 200G wavelength electrical relay
Support service type	● 100GE ● OTU4
WDM technology	Support DWDM: C band 50GHz 96 wavelengths adjustable
FEC technology	Support SDFEC and G.709 FEC
Occupied slot number	Support OTNS8600 series chassis, occupy 2 slots
Network management	● Support real time monitoring of the port working state, including: transmitting optical

function	power and receiving optical power, temperature, etc. ● Support port loopback and port shutdown
Max power consumption	30W (including transceiver)
MTBF	＞100000 hours