

DWDM 200G Transponder

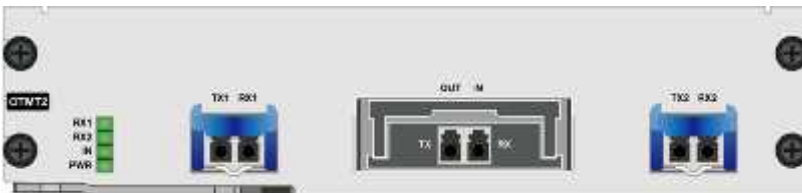
2x100G 1x200G

2 Slots

Overview

The 200G Transponder service card launched by Sintai Communication supports 2x100G 1x200G 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 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, 800km without electric relay transmission, and supports C-band 96-wave (50GHz) tunable.



Product Specification

Interface

Client side interface: 2 ports, hot-pluggable based on QSFP28

Line side interface: 1 port, hot-pluggable based on CFP2, coherent DP-8QAM or DP-16QAM

Line mode

Support 2x100G service transmissions, transform 2x100G service optical signals into 1x200G DWDM standard wavelength optical signal

Relay mode

Support 200G wavelength electrical relay

WDM technology

Support DWDM: C band 50GHz 96 wavelengths adjustable

Network management

- Support real-time monitoring of the port working state, including transmitting optical power and receiving optical power, temperature, etc.
- Support port loopback and port shutdown

Support service type

- 100GE
- OTU4

FEC technology

Support SDFEC and G.709 FEC

Occupied slot number

Support OTNS8600 series chassis, occupy 2 slots

Power consumption

30W maximum (including the optical transceiver)

MTBF

> 100000 hours

