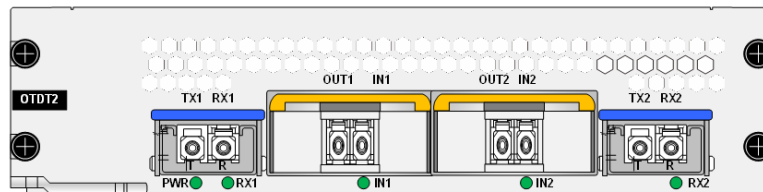


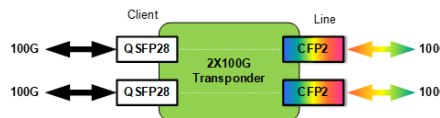
## 2x100G Transponder: 2\*CFP2+2\*QSFP28

The 2x100G Transponder service access board from Sintai Communication supports 2x100G↔2x100G electrical layer multiplexing/demultiplexing and converts to 2x100G rate WDM standard wavelength optical signal, adopts advanced technologies such as PDM-QPSK modulation and 100G CFP2 coherent reception, and overcomes the OSNR requirements, CD tolerance, and PMD tolerance of high-speed transmission systems. And the nonlinear physical effects of transmission, such as 100G service 1200 km or more of non-electrical relay transmission, and the line-side interface supports C-band 96-wave (50 GHz) adjustable.

### Product picture



### Functional structure



### Product specification

Parameter	Description
<b>Product model</b>	OTDT2
<b>Interface</b>	Client-side interface: 2, based on QSFP28 pluggable Line-side interface: 2, based on CFP2-DCO pluggable, coherent PDM-QPSK
<b>Line mode</b>	Support 2*100G service optical signal multiplexed into 2*100G rate DWDM standard wavelength optical signal
<b>Relay mode</b>	Support 100G wavelength electric relay
<b>Support service type</b>	100GE, 100GE_FEC, OTU4
<b>WDM technology</b>	Support DWDM: C-band 50GHz 96-wave tunable
<b>FEC technology</b>	SDFEC support
<b>Number of occupied slots</b>	Support OTNS8600 full series chassis, occupy 2 slots
<b>Network management function</b>	Support real-time monitoring of port working status, including: transmitting optical power, receiving optical power, temperature, etc. Support port loopback function
<b>Maximum power consumption</b>	65W (including optical module)
<b>MTBF</b>	>100,000 hours