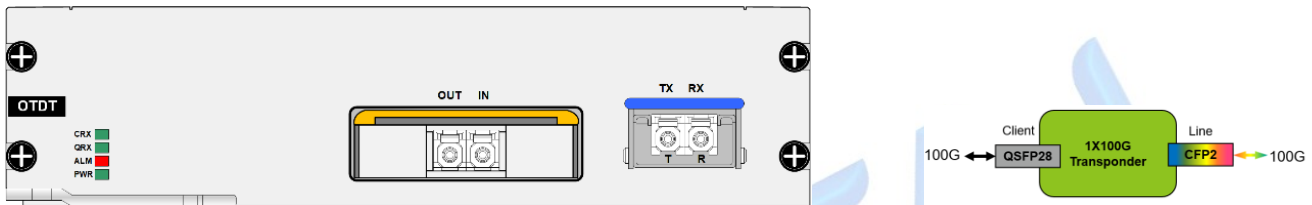


OTDT: 1x100G Transponder

The 1x100G Transponder service access board from Sintai Communication supports 1x100G↔100G electrical layer multiplexing/demultiplexing and converts to 1x100G 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 specifications

Parameter	Description
Product model	OTDT
Interface	Client-side interface: 1, based on QSFP28 pluggable Line-side interface: 1, based on CFP2-DCO pluggable, coherent PDM-QPSK
Line mode	Support 1*100G service optical signal multiplexed into 1*100G rate DWDM standard wavelength optical signal
Relay mode	Support 100G wavelength electric relay
Support service type	100GE, 100GE_FEC, OTU4
WDM technology	Support DWDM: C-band 50GHz 96-wave tunable
FEC technology	SDFEC support
Number of occupied slots	Support OTNS8600 full series chassis, occupy 2 slots
Network management function	Support real-time monitoring of port working status, including: transmitting optical power, receiving optical power, temperature, etc. Support port loopback function
Maximum power consumption	30W (including optical module)
MTBF	> 100,000 hours