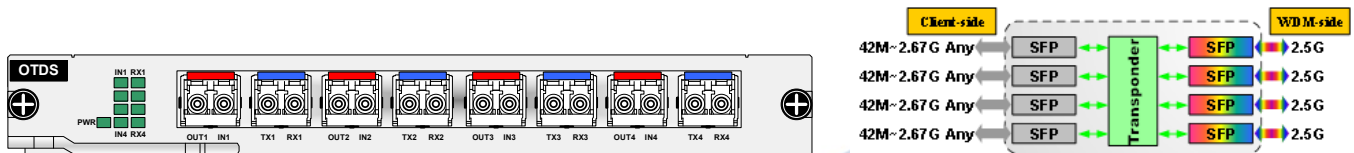# OTDS: 4x2.5G Transponder

The OTDS 4x2.5G Transponder service access board from Sintai Communication supports the 3R regeneration of any 4-channel signals under any protocol within the rate of 42Mbit/s~2.67Gbit/s to be accessed, and then convert them to optical signals of a standard DWDM wavelength or standard CWDM wavelength, so that the multiplexing unit can conduct WDM for optical signals of different wavelengths and also achieve the inverse process of the above process. It's applicable to the low-cost wavelength division transmission solution for any access of services with the rate of 2.5G or below.

Product specification

Parameter	Description
Product model	OTDS
Basic function	● Support bidirectional transmission of 4-channel services with any rate of 42Mbit/s~2.67Gbit/s ● Support unidirectional transmission of 8-channel services with any rate of 42Mbit/s~2.67Gbit/s
Access service type	FE, GE, STM-1/4/16/ FC 1G/2G, FICON, FICON Express, ESCON CPRI:614.4Mbit/s, 1.23/2.46Gbit/s
Occupied slot number	Occupy 1 slot, applicable to the platform of the whole OTNS 8600 series
WDM technology	● Support DWDM: C Band, 100GHz or 50GHz ● Support CWDM：1271nm~1611nm
Network management function	● Support real time monitoring for port working state, including: transmitting optical power, receiving optical power, temperature, etc ● Support the self adaptation of the working rate
interface	It supports 8 pluggable optical port SFP, and the electrical interface SFP can be configured when the electrical interface service is accessed
Typical power consumption	15W
MTBF	> 100000 hours