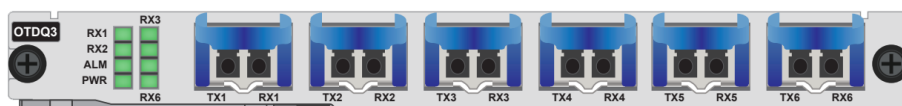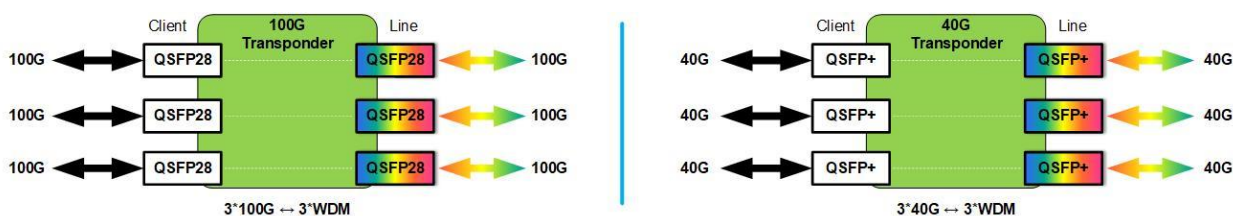# 40G&100G OTU service card

The 40G&100G OTU service board launched by Guangzhou Sintai Communication Technology Co., Ltd. supports three 40G or 100G service accesses, its main function is to regenerate the 3R of the three 40G or 100G rate service signals accessed and can be converted into three WDM standard wavelength optical signals, so that the combining unit can perform WDM on the optical signals of different wavelengths, and at the same time realize the above process The WDM unit can be used for WDM multiplexing of different wavelengths and for the reverse of the above process. Suitable for WDM short-range transmission solutions in metropolitan areas at 40G or 100G rates.

Product picture

Functional structure

Product specification

Parameter	Description	
Product model	OTDQ3	
Application	100G wavelength conversion	40G wavelength conversion
Interface	Client-side: 3, based on QSFP28 pluggable Line-side: 3, based on QSFP28 pluggable	Client-side: 3, based on QSFP+ pluggable Line-side: 3, based on QSFP+ pluggable
Line mode	Supports 3*100G service transparent transmissions, which can transform 3*100G service optical signals into 3*WDM standard wavelength optical signals	Supports 3*40G services for transparent transmission, which can transform 3*40G service optical signals into 3*WDM standard wavelength optical signals
Support service type	100GE OTU4	40GE OTU3
Relay mode	Support 40G&100G wavelength electrical relay Optical signal single, multi-mode transform	
WDM technology	Support DWDM: C band 100GHz 40-wave	
Number of occupied slots	Support OTNS8600 full series chassis, occupy 1 slot	
Network management function	Support real-time monitoring of port working status, including: transmitting optical power, receiving optical power, temperature, etc. Support port loopback, port shutdown function	
Maximum power consumption	30W (including optical module)	
MTBF	>100,000 hours	