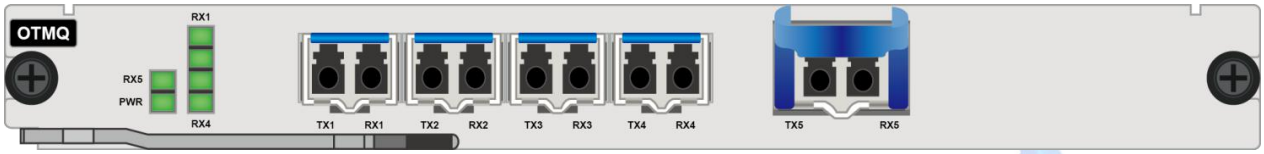
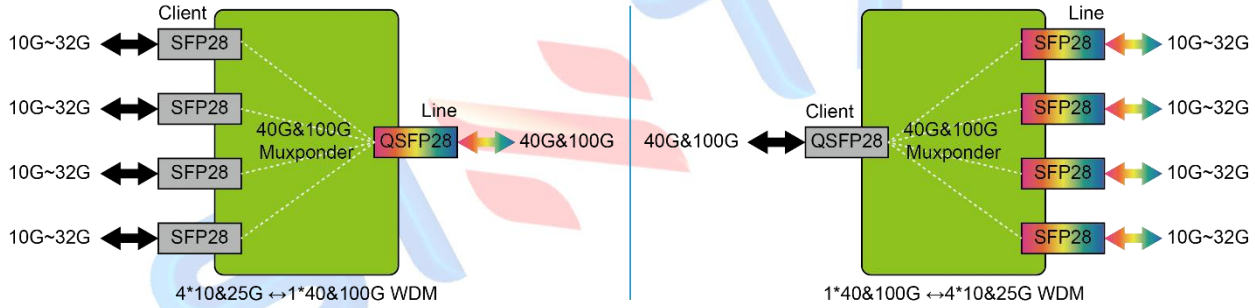
40G&100G Muxponder: 4*SFP28↔QSFP28

40G&100G muxponder service card launched by Sintai Communications Co., Ltd. supports 4x10G↔40G or 4x25G↔100G electrical layer multiplexing/demultiplexing, and transform the multiplexed/demultiplexed optical signals into WDM standard wavelength optical signals. It can facilitate the wavelength division multiplexing of the optical signals of different wavelengths by mux unit, and simultaneously implementing the inverse process of the above process. It's suitable for 10G~25G forward multiplexing or 40G/100G inverse multiplexing wavelength division short-distance transmission solution.

Product diagram



Functional structure



Product specification

Function	Note	
Application	4x10G↔40G & 4x25G↔100G	40G↔ 4x10G & 100G↔4x25G
interface	● Client-side interface: 4 SFP28 hot-pluggable, compatible with SFP+ ● WDM-side interface: 1 QSFP28 hot-pluggable, compatible with QSFP+	● Client-side interface: 1 QSFP28 hot-pluggable, compatible with QSFP+ ● WDM-side interface: 4 SFP28 hot-pluggable, compatible with SFP+
Basic function	Supports 4*10G & 4*25G service optical signals to be multiplexed into one 40&100G rate WDM standard wavelength optical signal	Supports one 40&100G service optical signal demultiplexed into 4*10G & 4*25G rate WDM standard wavelength optical signals
Support service type	● 10GE, 25GE ● 8G/10G/16G FC (compatible 32G) ● STM-64, OTU2, CPRI/eCPRI	● 40GE, 100GE ● OTU3, OTU4

WDM technology	Support DWDM: C band 100GHz 40 waves	Support CWDM: 18 waves Support DWDM: C band 50GHz 80 waves
Occupied slot number	Support OTNS8600 series chassis, occupy 1 slot	
Network management function	● 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	
Power consumption	13W (max, including transceiver)	
MTBF	＞100000 hours	