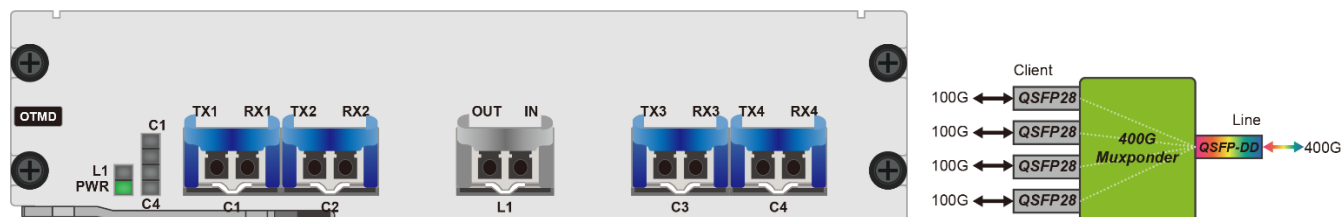# 400G Muxponder Service Card: OTMD

The 400G Muxponder service card (OTMD) launched by Sintai Communication supports 4x100G↔400G electrical layer multiplexing/demultiplexing and converts to one 400G rate WDM standard wavelength optical signal, so as to facilitate WDM multiplexing of different wavelengths by the combiner unit, and at the same time realizes the inverse process of the above process. The line side adopts pluggable QSFP-DD DCO, which realizes ultra-long distance transmission based on coherent detection and other advanced technologies, and supports 100G/200G/400G rate configurability.

Product Specification

Parameter	Description
Product model	OTMD
Line side	● 1 QSFP-DD optical port: using 400G QSFP-DD DCO module, pluggable ● Support wavelength adjustable, range covering 191.35~196.1 THz ● Support adjustable light-emitting power (-10dBm~-20dBm) ● Support 100G/200G/400G programmable
Client side	4 QSFP28 optical ports pluggable
Supported service types	100GE, 100GE_RS-FEC
Loopback	Support line-side and client-side loopbacks
LLDP	100GE, 100GE_RS-FEC service support
ALS	Support automatic laser turn-off and turn-on based on optical signal inputs
Alarm delayed insertion	Support Local Fault alarm delayed insertion and delay time setting
Performance monitoring	● Support optical signal-to-noise ratio, pre-correction BER, non-correctable BER blocks and other performance monitoring ● Support optical module temperature, current, voltage, optical power and other performance monitoring ● Support Ethernet layer performance monitoring
Number of slots occupied	Support the full range of OTNS8600 chassis, occupying 2 slots
Maximum power consumption	60W (with optical module)