

# DWDM 400G Transponder

4x100G 1x400G

2 Slots

## Overview

The 400G Transponder service card launched by Sintai Communication supports 4x100G 1x400G electric layer multiplexes / demultiplexes and converts it into a 400G rate WDM standard wavelength optical signal, so as to facilitate the wavelength division multiplexing of optical signals of different wavelengths by the wavelength combining unit, and realize the inverse process of the above process at the same time. The line side adopts pluggable CFP2 DCO, realizes ultra-long-distance transmission based on advanced technologies such as coherent detection, and supports configurable 400G and 200G rates.



## Product Specification

### Interface

Client side interface: 4 ports, hot-pluggable based on QSFP28  
 Line side interface: 1 port, hot-pluggable based on CFP2 DCO

### Line side multiplexing structure

200G: OCh <-> OTUC2 <-> ODU2 <-> ODU4  
 400G: OCh <-> OTUC4 <-> ODU4 <-> ODU4

### Client side signal mapping mode

100GE <-> ODU4

### WDM technology

- Support C Band 400G DP-16QAM@75GHz 64CH tunable (191.3625 THz ~196.0875THz)
- Support C Band 200G DP-16QAM@50GHz 96CH tunable (191.30 THz ~196.10THz)

### Network management

- Support performance monitoring and alarm monitoring
- Support port loopback, port shutdown and ALS functions

### Support service type

- 100GE
- OTU4

### FEC technology

200G: SD-FEC  
 400G: SD-FEC

### Occupied slot number

Support OTNS8600 II, V chassis, occupy 2 slots

### Power consumption

60W maximum (including the optical transceiver)

