2Channels*200G CFP2 To 2*100G QSFP28 Muxponder Card FW6200G24Q

The 2*200G CFP2 OTU board is a 100G service access module developed by RD for optical fiber links. It supports wavelength tunability of CFP2 coherent optical modules and can be converted to DWDM standard wavelength optical signals. When used in conjunction with DWDM multiplexers/demultiplexers, it enables wavelength division multiplexing (WDM) transmission, providing a high-quality solution to address the challenges of limited fiber resources and high transmission line losses.
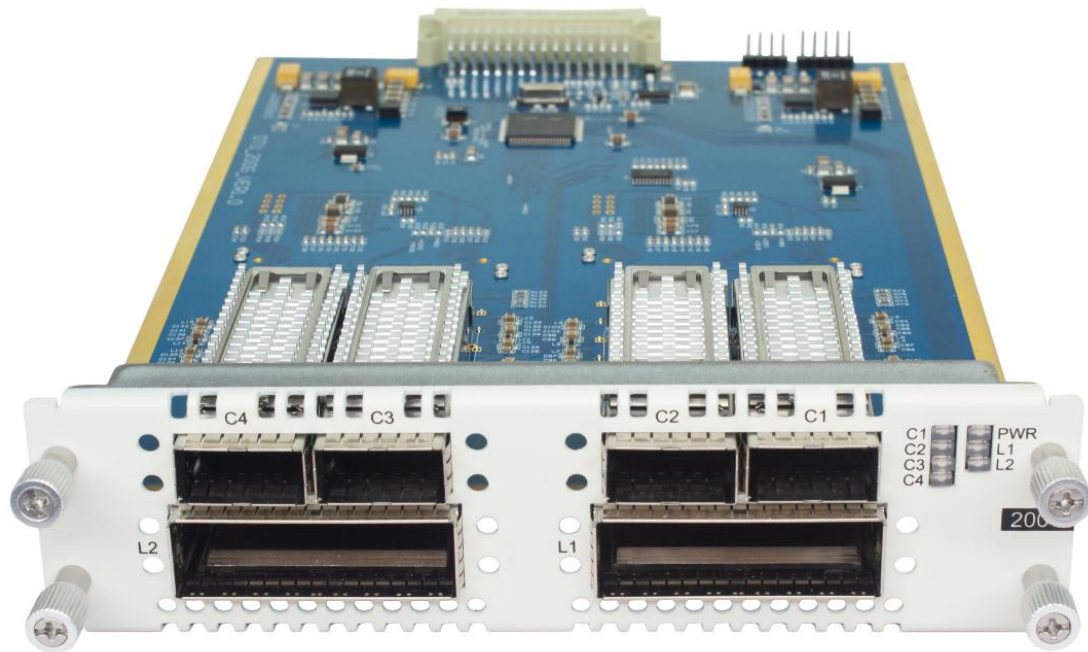

Figure 1   2*200G CFP2 OTU Service Board

Product Features

◆ Supports DWDM transmission and wavelength conversion.

◆ Single board supports 4 channels of 100G bidirectional service access.

◆ Line side supports 2*200G CFP2 DCO coherent optical modules.

◆ Customer side supports various module interface types:
    100GBASE-SR4/CWDM4/LR4/PSM4.

◆ Supports ALS (Automatic Laser Shutdown) functionality.

- ◆ Supports DDM (Digital Diagnostic Monitoring) signal monitoring.
- ◆ Supports SD-FEC and SC-FEC functionalities.
- ◆ Compatible with SNMP-based unified network management platform, with management interfaces including CLI (Telnet and console), Web, and NetView (graphical interface).

Product Specifications

System Parameters		Technical Specifications
Maximum Capacity		2*100G single/dual-direction transmission; 2*200G single/dual-direction transmission
Tunable Wavelength Range		DWDM ： 1529.16nm~1567.14nm （191.3THz-196.05THz）
Modulation Format		DP-QPSK@100G ； DP-16QAM@200G;DP-16QAMps@200G;DP-QPSK@200G
Service Access Types		100GE、OTU4
Dispersion Tolerance		±40000ps/nm@100G
OSNR Tolerance		<12dB@100G QPSK; <21dB@200G DP-16QAM <16dB@200G DP-16QAMps；<13.5dB@200G DP-QPSK
Board Dimensions		156 （W）× 41 （H）× 225 （D）（mm）
Environmental Requirements	Operating Temperature	-10℃ ~ 50℃
	Storage Temperature	-40℃ ~ 80℃
	Relative Humidity	5% ~ 95% (non-condensing)
Safety and EMC		Complies with FCC, UL, CE, TUV, CSA standards
Power Consumption		<78W