FW6100G4SQ 4X QSFP28 100G OTU/OEO Transponder Card

The 4X QSFP28 100G OTU/OEO Transponder Card is developed by FIBERWDM for optical fiber links. It employs the principle of optical-electrical-optical conversion to regenerate optical signals and convert them into DWDM standard wavelength signals. When used in conjunction with DWDM multiplexers/demultiplexers, it enables wavelength-division multiplexing transmission. This provides an excellent solution for addressing the challenges of limited optical fiber resources and high fiber line losses in transmission networks.

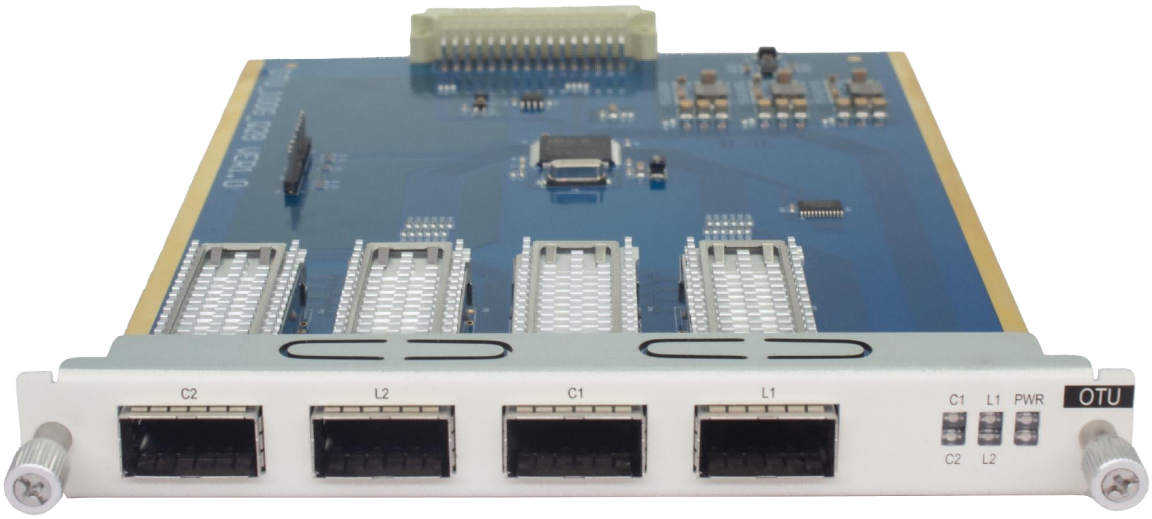

Figure 1: 100G OTU Optical Ampl

Product Features:

- Supports applications such as single/multimode wavelength conversio n and optical power amplification.
- Supports unidirectional or bidirectional relay amplification.
- Supports 2 channels of 100G bidirectional service access or 4 chann els of 100G unidirectional service access.
- Supports various customer-side service access: 100GBASE-SR4/CWD M4/LR4/PSM4/OTU4.
- Transparent transmission of services.
- Supports hot-swapping.
- Supports FEC function, optimizing output, DDM signal monitoring, an

d link detection (no light transmission when no receive light is prese nt).

- Supports SNMP-based unified network management platform, with m anagement methods including CLI (telnet and console), Web, and Ne tView (graphical interface).

Product Specifications

System Parameters		Technical Specifications
Maximum Capacity		4x100G unidirectional transmission
Wavelength Range		CWDM：1271 ~ 1611nm Multimode：850nm Single mode：1310nm DWDM：C-Band（100GHZ or 50GHZ）
Supported Service Access Types		SDH、SONET、Ethernet、SAN、OTN、Video
Board Dimensions		156（W）× 20（H）× 225（D）（mm）
Environmental Requirements	Operating Temperature	-10℃ ~ 50℃
	Storage Temperature	-40℃ ~ 80℃
	Relative Humidity	5% ~ 95% non-condensing
Safety and EMC Compliance		Complies with FCC, UL, CE, TUV, CSA standards
Power Consumption		<16W