10G XFP Muxponder

CWDM/DWDM System

Specification

10G OTU XFP board is a service access module for optical fiber links. It can regenerate 3R signals for 1.25Gbit/s~11.3Gbit/s services with arbitrary rate protocols, and can be converted into CWDM or DWDM standard wavelength optical signal. It can be used in optical communication systems such as PDH/SDH/POS/SONET/SAN/ETHERNET with CWDM or DWDM multiplexer/demultiplexer to realize wavelength division multiplexing transmission. It provides a high-quality solution for solving transmission lines with insufficient fiber resources and high fiber line loss.

Functions and features

- Supporting CWDM or DWDM transmission, wavelength conversion.
- Supporting a variety of transmission distances: no relay support up to 80KM.
- Supporting 2 channels bidirectional or 4 channels unidirectional 1.25Gbit/s~11.3Gbit/s arbitrary rate protocol service access, supporting client single mode or multimode.
- Supporting SNMP-based unified network management platform, network management mode CLI, WEB, NetRiver (graphical interface).
- Supporting CDR function, which can optimize output, DDM signal monitoring and no optical signal shutdown function.
- Supporting software to close the port.

GLITEL Stropkov, s.r.o.
Cintorínska 557/73
09101 Stropkov
Slovak Republic

IČO: 31671659
DIČ: 2020526332
IČ DPH: SK2020526332
OR OS Prešov, odd. Sro, vl. Č 1065/P

Slovenská sporiteľňa, a. s
A/C No: 0104682560/0900
BIC: GIBASKBX
IBAN: SK2909000000000104682560

Tel: +421547428136
Email: glitel@glitel.sk
Web: www.glitel.sk

Parametres

System Parameter	Technical Index	
Maximum capacity of single card	2*10G bidirectional transmission, 4*10G unidirectional transmission.	
Wavelength range	CWDM: 1271~1611nm, DWDM: C-Band (100GHZ or 50GHZ).	
Service access types	PDH, SDH: STM-16/STM-64 SONET: OC-48/OC-192, 10GE, 8G, 10G, POS, FICON, ESCON.	
3R technology	3R functions: (Re-amplifying), (Retiming), (Re-shaping).	
Network management function	CDR function (DDM real-time monitoring), different rate adaptive setting function, business one-way bidirectional setting.	
Network management mode	CLI, NetRiver, WEB.	
Product dimension	177 (W)*20(H)*225(D)(mm).	
Environmental requirements	Working temperature	-10℃ ~ 70℃
	Storage temperature	-40℃ ~ 80℃
	Relative humidity	5% ~ 95% no condensation
Safety and EMC	Compliance with FCC, UL, CE, TUV, CSA standard.	
Power consumption	<20W.	

Networking Applications

The product wavelength conversion card (OTU) is widely used to perform 3R amplification (Re-amplifying, Retiming, Re-shaping) on various types of access service signals through the wavelength conversion board. Then the converted wavelength required for wavelength system transmission is coordinated with the multiplexer and splitter to transmit.

Figure: OTU Application