100G CFP OUT

CWDM/DWDM System

Specification

The 100G CFP OTU board is a 100G service access module Communications and designed for optical fiber links. It can adjust the wavelength of CFP coherent optical modules and convert it into DWDM standard wavelength optical signals, and cooperates with DWDM multiplexing/decomposition The multiplexer realizes wavelength division multiplexing transmission and provides a high-quality solution for transmission lines where fiber resources are in short supply and fiber line losses are high.

Functions and features

- Supporting DWDM transmission, wavelength conversion.
- The single board supports 2 channels 100G bidirectional service access.
- The line side supports 200G CFP coherent optical modules and 100G CFP coherent optical modules.
- Supporting multiple client-side service access: 100GBase-SR4/CWDM4/LR4/PSM4.
- 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 ALS (Automatic Laser 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

Parameters

System Parameter	Technical Index	
Maximum capacity of single card	1*100G two-way transmission 1 * 100G one-way transmission	
Wavelength range	DWDM: C-Band (100GHZ or 50GHZ)	
Service access types	100GE, OTU4	
Dispersion tolerance	±40000ps/nm@100G	
OSNR tolerance	<12.5dB@100G	
Network management function	CDR function (DDM real-time monitoring), no light shut-off function, business one- and two-way settings.	
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 standards.	
Power consumption	<20W.	

Networking Applications

The product wavelength conversion boards (OTUs) are widely used to perform 3R amplification (Re-amplifying), retiming (Retiming), and re-shaping of various types of access service signals through the wavelength conversion boards. (Re-shaping)), it is converted into the wavelength required for system transmission and transmitted with the multiplexer and demultiplexer.

Figure: OTU Application