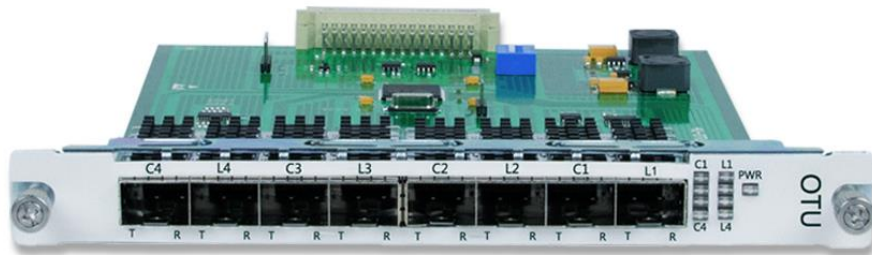


25G Muxponder

CWDM/DWDM System



Specification

25G OTU board is a service access module for optical fiber links. It can realize the service transmission of any rate protocol from 1.25Gbit/s ~ 25.78Gbit/s, and can be converted into CWDM or DWDM standard wavelength optical signal. It can be used in optical communication systems such as 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.
- It can be used with amplification and dispersion systems to support a maximum transmission distance up to 120KM.
- Supporting 4 channels bidirectional or 4 channels unidirectional 1.25Gbit/s~25.78Gbit/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 DDM signal monitoring and ALS (Automatic Laser Shutdown) function.
- Supporting software to close the port.

Parametres

System Parameter	Technical Index	
Maximum capacity of single card	4*2.5G bidirectional transmission, 8*2.5G unidirectional transmission.	
Wavelength range	CWDM: 1271~1611nm, DWDM: C-Band (100GHZ or 50GHZ).	
Service access types	SDH, POS, SONET, SAN, ETHERNET	
3R technology	3R functions: (Re-amplifying), (Retiming), (Re-shaping).	
Network management function	CDR function (DDM real-time monitoring), different rate adaptive setting function, business bidirectional and unidirectional setting.	
Network management mode	CLI, NetRiver, WEB.	
Product dimension	177 (W)*20(H)*225(D)(mm).	
Environmental requirements	Working temperature	-10°C ~ 70°C
	Storage temperature	-40°C ~ 80°C
	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 (OTU) card is widely used to perform 3R amplification (reamplification, retiming, reshaping) on various types of access service signals through a wavelength conversion board. Then the converted wavelength needed to transmit the wave system is coordinated with the multiplexer and splitter for transmission.



Figure: OTU Application