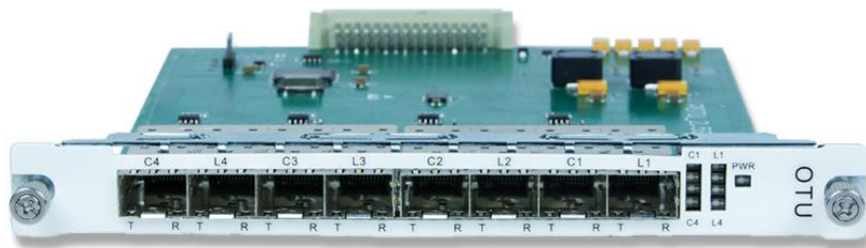


# 2.5G Muxponder

## CWDM/DWDM System



### Specification

2.5G OTU board is an optical transform for optical fiber links. It can regenerate 3R signals for 32Mbit/s~2.488Gbit/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 conversio.
- Supporting EOLP function (optical line protection) through network management settings.
- Supporting a variety of transmission distances: no relay support up to 120KM.
- Supporting 4 channels bidirectional or 8 channels unidirectional 32Mbit/s~2.488Gbit/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.

## Parameters

System Parameter	Technical Index	
Maximum capacity of single card	4*2.488G bidirectional transmission, 8*2.488G unidirectional transmission.	
Wavelength range	CWDM: 1271~1611nm, DWDM: C-Band (100GHZ or 50GHZ).	
Service access types	PDH, SDH: STM-1/STM-4/STM-16, Ethernet, SONET: OC-3/OC-12/OC-48, FE, GE, 1G, 2G, CPRI 1~3, POS, FICON, ESCON.	
3R technology	3R functions: (Re-amplifying), (Retiming), (Re-shaping).	
Network management function	Port working status real-time monitoring, DDM function.	
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 standard.	
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 transmit.



Figure: OTU Application