ETU Media Converter

CWDM/DWDM System

Specification

The ETU board is an electrical transformation for a metropolitan IP communication broadband network. It has complete lights. The optical module uses the SFP interface, which is more flexible and can support functions such as broadcast filtering and automatic address learning. The carrier-level product can be operated and managed.

Functions and features

- Supporting full service access: IP/SDH/PDH/SAN/Sonet/ESCON, etc.Supporting 2 channels Gigabit adaptive bidirectional service access or 2 channels Gigabit adaptive unidirectional service access.
- Supporting a variety of transmission distances: no relay support up to 120KM.
- Supporting SNMP-based unified network management platform, network management mode CLI, WEB, NetRiver (graphical interface).
- Supporting software to close the port.

Parametres

System Parameter	Technical Index	
Maximum capacity of single card	2*1.25G bidirectional transmission, 2*1.25G unidirectional transmission.	
Wavelength range	CWDM: 1271~1611nm, DWDM: C-Band (100GHZ or 50GHZ).	
Service access types	IP, SDH, PDH, POS, SAN, SONET, ESCON, etc.	
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℃ ~ 70℃
	Storage temperature	-40℃ ~ 80℃
	Relative humidity	5% ~ 95% no condensation
Safety and EMC	Compliance with FCC, UL, CE, TUV, CSA standard.	
Power consumption	<10W.	

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