OLP Optical line protector card

FSLP-XX
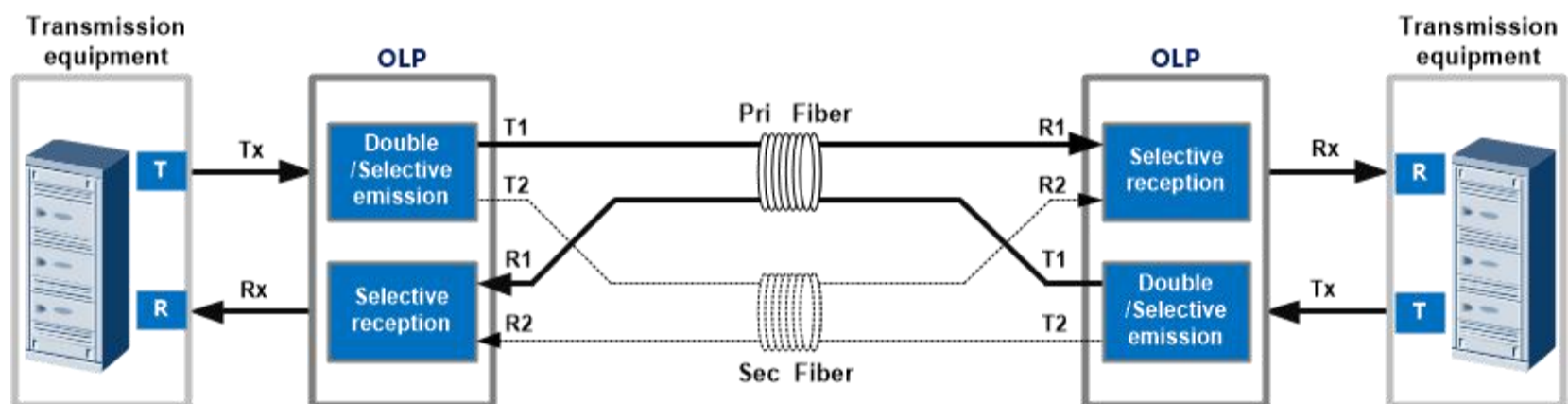
Features

- Low insertion loss
- Business non-invasive switch
- Transparent transmission characteristics
- Reduce the loss caused by line fault
- Increase the reliability of the transmission network, improve network quality
- High level of integration by plug-in design,which saves space of cabinet
- Expansion is very convenient

Overview

OLP-Optical Line Protection is a product that is used in the protection of network transmission line, the product can realize optical power monitoring and automatic switching. In optical communication network, OLP real-time monitoring optical power of working optical fiber and standby optical fiber. When the optical power value of working optical fiber is below the set switching threshold, the system raise the alarm prompt and switches to standby fiber automatically, which achieve line protection of optical transmission system.

Performance Index

Parameters	Unit	Specifications	
		1+1	1:1
Operating Wavelength	nm	ITU CWDM or DWDM	
Monitoring optical power range	dBm	＋23～-50	
Monitoring optical power accuracy	dB	±0.25	
Optical power resolution	dB	±0.01	
Return loss	dB	≥55	
PDL	dB	≤0.05	
WDL	dB	≤0.1	
IL	dB	TX＜3.8, RX＜1.2	TX＜1.5, RX＜1.2

Parameters	Unit	Specifications	
Switching speed	ms	<15	<35
Operation life	time	>10000000	
Consumption	W	<3	

Ordering Information

Part Number	Product Description
FSLP-SS	OLP Card, Single fiber unidirectional transmission
FSLP-SD	OLP Card, Single fiber bidirectional transmission
FSLP-DD	OLP Card, Dual fiber bidirectional transmission