

Bypass Optical Protection Switch

LOLPBP is an optical line protection service board which provides low-cost redundant solution for broadband transmission networks. The main feature of this card is it is easy to install and backup solution. It helps operators build resiliency into their networks to avoid downtime and quickly recover from any outages that occur due to a fault in the transmission line. Features of transparent and independent transmission signals, high safety and reliability as well as fast fault recovery, which can help users to build a non-blocking, flexible and reliable, as well as anti-disaster optical communication network. It is designed with separate switch control and management control. It gives priority to ensuring the link switching, and the switching latency is less than 15ms. It provides AC/DC dual power supply and adopts industrial grade design, which ensures stable operation under harsh environments. It is designed with powerful graphical network management system, which supports three management modes—local Console, EMS and button setting. Moreover, remote upgrade of services can be realized, which is easy for future unified management and maintenance.



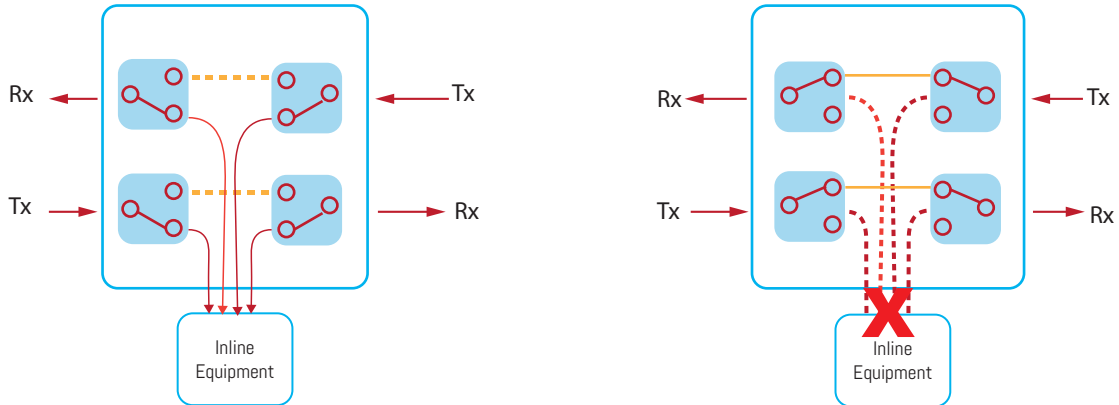
FEATURES

- Provides bypass protection mode
- Lock when there is no light
- Supports a variety of management modes: Console, EMS system and button setting
- Supports TFTP remote upgrade
- Simple, stable and yet highly reliable circuit design.
- Independent management modules
- AC/DC dual power supply

SPECIFICATIONS

Basic Functions	
	- Bypass protection mode
	- Lock when there is no light
	- Management modes: Console, EMS system and button setting
	- TFTP remote upgrade
	- Switching module adopts simple and stable circuit design
	- Management modules are independent from each other and do not affect each other
	- AC/DC dual power supply and wide voltage range adaptation
Operating Wavelength	1310 ± 50nm & 1550 ± 50nm
Monitoring Optical Power Range	+25 ~ -50 dBm
Insertion Loss	R3-T1, R4-T2: < 6.5 dB
	R4-T3, R3-T4: < 3.5 dB
	R1-T3, R2-T4: < 1.5 dB
Return Loss	> 45 dB
Crosstalk	> 55dB
Optical Power Resolution	< 0.01dB
Measurement Precision of Optical Power	< 0.5dB (+ 25 dBm ~ - 40dBm)
	< 1.0dB (- 40 dBm ~ - 50dBm)
Polarization Dependent Loss	< 0.1 dB
Wavelength Dependent Loss	< 0.25dB
Switching Time	< 15ms

DIAGRAM



ORDERING INFORMATION

PN	DESCRIPTION
LOLPBP	Bypass Optical Protection Switch card