

OLP 1:1 Optical Line Protection card

The OLP optical line protection subsystem launched by Guangzhou Sintai Co., Ltd is based on the advanced development of optical switch technology. It's an automatic monitoring and protection system independent of communication transmission system and completely based on the physical link of optical cable. The system can automatically switch the signal to the optical fiber of the protection path when performance deterioration or blocking of work path is detected. In this way, an optical communication network with high reliability, safety, flexibility and strong disaster resistance is established.

Product Feature

- Applicable to all kinds of optical communication system
- Support line protection of dual fiber and single fiber transmission network
- Support multiple working modes of automatic or manual switching
- Supporting real-time monitoring of main and backup routes
- Fast response: switching time<20ms
- Support automatic non-return and automatic return functions, automatic return time can be set to adapt to a variety of application scenarios
- Support panel button operation. The system can be operated by button on site without management card
- Support power-off and power-on retention functions
- OLP card and network management card are independent of each other and have no influence on each other
- Support multi-kinds of graphical interface network management, such as SNMP, Web
- Support AC power 220V, DC power -48V, and 1+1 power input protection
- 1U pluggable rack mount, flexible capacity configuration

Product Specification

Item		Parameter		
Working wavelength range		1260nm ~ 1650nm		
OLP type		OLPA (dual fiber 1+1 protection)	OLPB (dual fiber 1:1 protection)	OLPA-BiDi (single fiber 1+1 protection)
Switching time		<20ms	<40ms	<20ms
Introduction loss	Main path	<5dB	<3dB	<5.5dB
	Backup path	<5dB	<3dB	<5.5dB
Monitoring power range		-50 dBm ~+25dBm		
Working temperature range		-10℃~60℃		
Working humidity range		5%~95% no condensation		
Storage temperature		-40℃~85℃		
Equipment dimension		1U: 44 mm (H)×442 mm (W)×280 mm (D)		
Network management		Support multi-kinds of graphical interface network management, such as SNMP, Web		
Optical interface		LC/UPC		

Add: 4F, Scientific Building, No. 63 Punan Road, Huangpu District, Guangzhou, China
Tel: 020-82037001 Fax: 020-82553470 Email: sales@sintai.com.cn

Power supply	AC: 90 ~ 260V or DC: -36 ~ -72 V (support 1+1 power input backup)
Typical power consumption	Full configuration <30W
Heat dissipation	Fan cooling
MTBF	> 100000 hours

