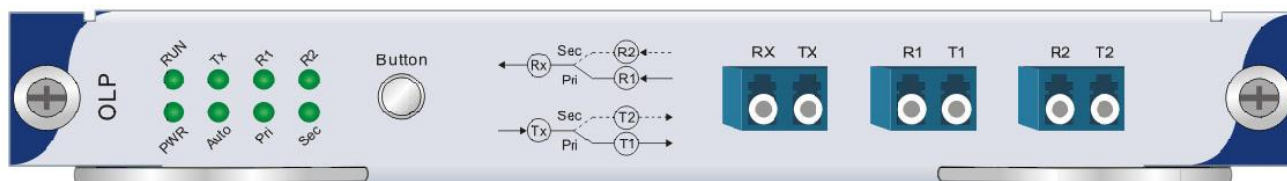




OLP Optical Amplifier

OP-8000-OLP-6U/ OP-8000-OLP-2.5U/OP-8000-OLP-1U



Optical line protection system is combined of OLP-Optical Line Protection and operation maintainance terminal,it can realize optical power monitoring、 optical line auto-switching and network management etc. In optical communication network, OLP monitors optical power of optical fiber and standby optical fiber at real time.In case the current optical power of optical fiber is less than pre-set switching threshold value, then alarm is on and it would switch to standby optical fiber automatically to protect optical transmission system line.OLP can provide a protection scheme for all routes and main lines easily with low cost, can protect all networks which needs optical line switching, all these above can make a optical communication network with no-block、 high reliability、 safety and high anti-disaster strength.

Product Image



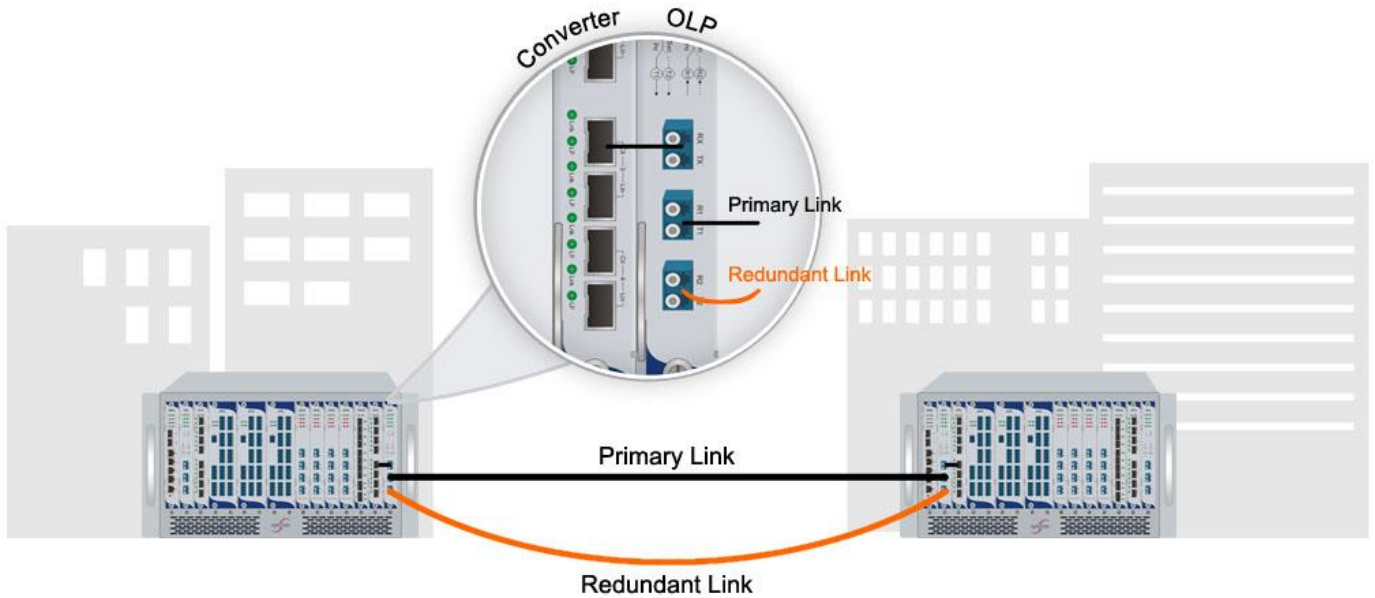
Highlights

- Reduce interrupt time of communication and improve maintenance efficiency with quickly recovering communication
- Remarkably reduce damage to network caused by fiber failure
- Increase network reliability and improve service quality
- Harmless switch between working path and secondary path and convenient for line overhaul and cutover
- Real-time monitoring power level of fiber
Support remote control, easy management and maintenance
Transparent transmission

Technical Specification

Parameter		1:1	1+1
Working wavelength	nm	1260~1610	
Monitoring Power range	dBm	+ 23 ~ -50	
Monitoring power accuracy	dB	±0.25	
Monitoring power resolution	dB	±0.01	
Return loss	dB	≥55	
PDL	dB	≤0.05	
WDL	dB	≤0.1	
Insertion loss	dB	TX<1.2、RX<1.2	TX<4、RX<1.2
Switching time	ms	<35	<15
Durability(Life)	times	>107	
Size	OLP Module	26.5 (W) × 195 (H) × 252 (D)	
	1-slot chassis	482.6(W)x350(D)x43.6(H)	
	8-slot chassis	482.6(W)x360(D)x109(H)	
	16-slot chassis	482.6(W)x360(D)x261.6(H)	
Environment	Operating Temperature	-10℃ ~ 60℃	
	Storage Temperature	-40℃ ~ 80℃	
	Relative humidity	5% ~ 95% Non-condensing	
Power Consumption		≤15W	

Application Example



Ordering Information

Model	Function /Protocols	Insertion Loss(dB)	
OP8000-OLP-1+1	Dual Send Select Receive, switching time <15ms	Tx < 4	Rx < 1.2
OP8000-OLP-1 : 1	Select Send Select Receive , switching time <35ms	Tx < :1.2	Rx < 1.2

Contact OPTOSTAR

Shenzhen Optostar Optoelectronics Co., Ltd

Address:A-14,Haide Building,the Intersection of Nanxin Road and Haide Second Road Nansha n District Shenzhen,China .

Tel: +86-755-26400198 +86-755-26400288 Fax: +86-755-26411001

Email: info@optostar.com.cn

Skype:ouyangroya

Web: www.optostar.com.cn