

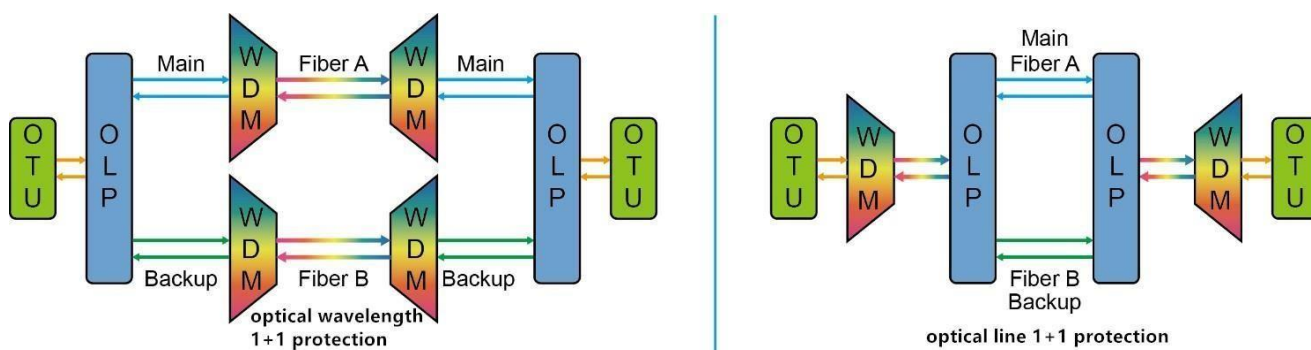
OLP: Optical Line Protection Card

OLP optical protection card launched by NewNets main function is to assist the wavelength division system to complete optical layer protection solutions such as optical line 1+1 protection and optical wavelength 1+1 protection. It can monitor the primary and backup routing optical paths in real time. In the event that the fiber core is blocked or degraded in performance, it can implement the secure rearrangement automatically in the main and standby fiber core, so as to guarantee optical signals in the system line to recover quickly. OLP technology is to complete the routing switch operation in optical layer. The optical layer protection has the incomparable advantages over the protection of upper services, and it is the best solution to provide the user with an uninterrupted communication.

Product Diagram



Functional Structure



Product Specification

Function	Description	
working wavelength range	1260nm~1650nm	
Switching mechanism	Selectively receipt from double transmission, and then single-ended rearrangement	
Switching time	<20ms	
Introduction loss	Tx port	<3.8dB
	Rx port	<1.2dB
Monitoring of optical power range	-50 dBm ~+25dBm	
Application scenes	<ul style="list-style-type: none">● Optical line 1+1 protection● Optical wavelength 1+1 protection	
Network management function	supports the OLP optical power real-time monitoring, active switch scheduling, performance management, routing management, and other management functions	
Optical interface	LC/UPC	
Max power consumption	5W	
MTBF	>100000 hours	