

1+1 Optical Line Protection Switch (OLP), LC/UPC

Pluggable Module for M6200 Series Multi-Service Transport System



Description

Optical Line Protection Switch (OLP) is a product that is used in the protection of network transmission line. By real-time monitoring the power status in working fiber, it can automatically switch from working fiber to backup fiber when the power value of working fiber is lower than a user defined threshold, achieving line protection of optical transmission system.

It is designed to increase the reliability of the transmission network, enhance network quality for any type of fiber data transmission, including CWDM & DWDM links.

Features

- Independent of data rate, format and wavelength
- Highly configurable to fit network applications
- Real-time monitoring of standby optical power
- Transparent transmission characteristic
- Reduce the loss caused by line fault
- Remote configuration through NMS management system
- Highly integrated with M6200 series management platform

Application

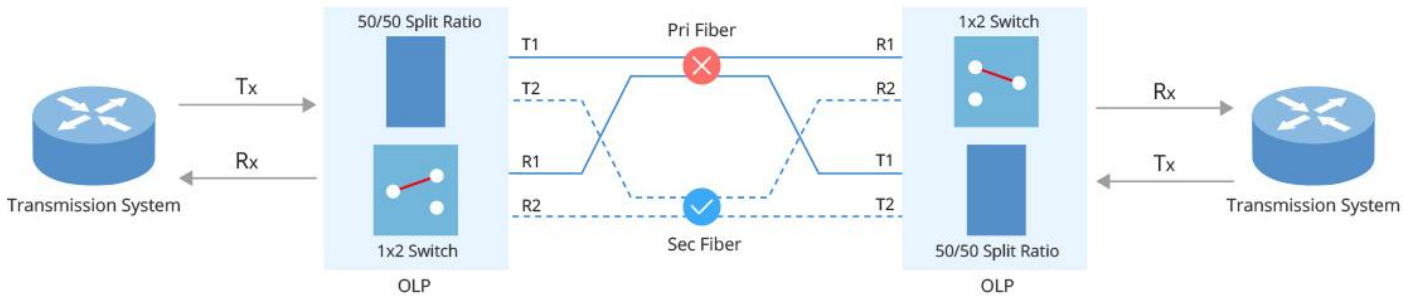
- Optical line backup protection
- Business Ethernet services
- Metro and access rings

Product Specifications

Parameter	Description
Operating Wavelength	1260~1360nm/1460~1640nm
Monitoring Power Range	-50~+25dBm
Insertion Loss	Tx<3.8dB, Rx<1.2dB
Switching Speed	≤25ms
Monitoring Power Accuracy	±0.5dBm
Monitoring Power Resolution	±0.01dB
Return Loss	≥45dB
Polarization Dependent Loss	≤0.1dB
Wavelength Dependent Loss	≤0.25dB
Connector Type	LC/UPC
Management Type	WEB, SNMP v2
Housing	Pluggable module (Occupies 1-slot in M6200 series managed chassis)
Operating Temperature	-10 to 50° C
Storage Temperature	-20 to 80° C

Applications

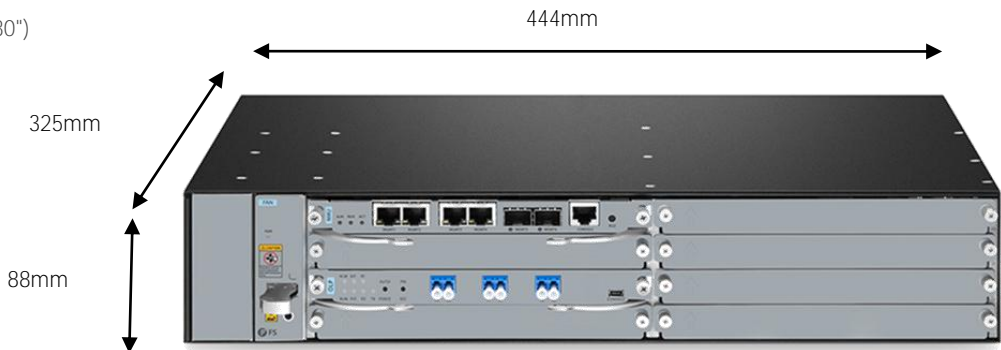
1+1 Optical Line Protection Switch (OLP) is designed to protect transmission network from link failures, using an optical splitter to bridge the optical signal to working fiber and protection fiber.



Matching Chassis

M6200 series 1+1 Optical Line Protection Switch (OLP) pluggable module occupies one slot in M6200 series managed chassis.

- Width: 444mm (17.48")
- Height: 88mm (3.46")
- Depth: 325mm (12.80")



Ordering Information

ID	Description
#107366	20dBm Output Optical Booster Pluggable Module, 16dB Gain, LC/UPC
#107367	25dB Gain Optical Pre-Amplifier Pluggable Module, 16dBm Output, LC/UPC
#107368	1+1 Optical Line Protection Switch (OLP), LC/UPC
#109705	40 Channels C21-C60 Dual Fiber DWDM Mux Demux with Monitor Port, Pluggable Module, LC/UPC
#107370	40KM DCF-based Passive Dispersion Compensation Module, LC/UPC
#107365	5 Channels Multi-Rate WDM Converter (Transponder), 10 SFP/SFP+ Slots, 100Mbps to 11.1Gbps Rate
#107373	SFP Variable Optical Attenuator Module for M6200 Series DWDM EDFA
#107371	M6200 Series 2U Managed Chassis Unloaded, Supports up to 7x EDFA/OEO/OLP Module with Accessories
#111052	M6200 Series 5U Managed Chassis Unloaded, Supports up to 15x MUX/OEO/EDFA/DCM/OLP Module with Accessories

*Standard products are listed above. Customized specifications are available upon request.



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