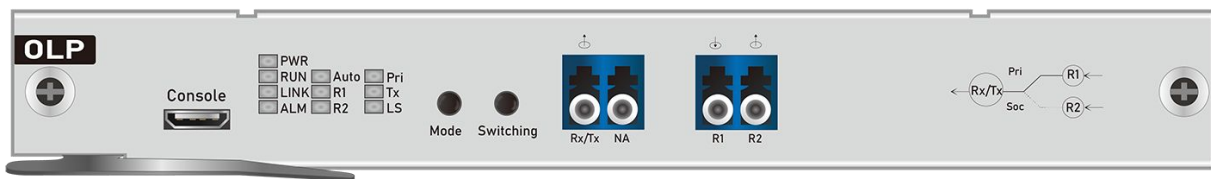


BIDI OLP Optical Line Protection

Traditional OLP protection requires four valuable core resources. However, in many places, due to insufficient fiber resources, it is impossible to provide excess fiber resources and optical line redundancy protection.

In view of the shortage of optical fiber resources and need to optical line redundancy protection, our company has developed BIDI OLP equipment to solve the problem of optical line protection in the case of insufficient optical cable resources.

OLP-BIDI only needs two fibers to realize the optical line protection function. When the main circuit fiber fails, the receiving end automatically switches to the standby fiber receiving, ensuring communication without blocking operation, improving communication system stability and reliability. It also saves fiber resources.



Function

- Optical line automatic switching protection
- Real-time power monitoring
- Support automatic switching of primary and secondary routes

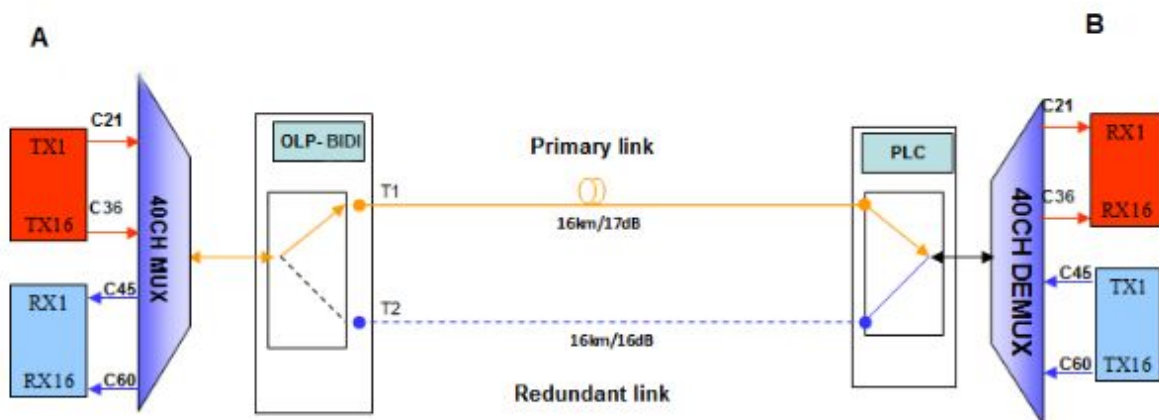
Highlight

- Provide single-fiber bidirectional line protection mode;
- Support automatic switching of primary and secondary routes
- Only needs two fibers to realize the optical line protection function
- Support automatic switching of primary and secondary routes
- Support manual and automatic switching modes
- Low switching time <20ms
- Low insertion loss <1.5dB
- Support automatic return to the Primary
- Support manual, automatic working mode settings
- Support for switching threshold settings

Optical line protection switch provides both Manual and Automatic switching mode. In Manual mode, the system switches optical path only based on the commands from user. In the Automatic mode, the system switches based on the power level detected and the preset threshold. Under automatic mode, the system can be set to be revertive or Non-revertive modes. Under Revertive mode, the system switches back to the working path automatically after the fault condition is cleared. Under Non-revertive mode, the system does not switch back. The OLP models fit HT6000 Series CH04, CH08, CH20 Chassis.

Performance Parameter

Parameter		OLP-BD	Unit
Operating Wavelength	DWDM	Blue: 1528~1541, Red : 1547~1561	nm
	CWDM	1270~1610	
Optical Power Range		+23~-50	dBm
Accuracy of Optical Power		±0.25	dB
Detection Light Power Resolution		±0.01	dB
Return Loss		≥55	dB
Polarization Dependent Loss		≤0.05	dB
Wavelength Dependent Loss		≤0.1	dB
Insertion Loss		<1.5	dB
Switch Speed		<20	ms
Size	OLP Module	191 (W) x 253 (D) x 20 (H)	mm
Environment	Operating Temperature	-10℃~+60℃	℃
	Storage Temperature	-40℃~+85℃	℃
	Relative Humidity	5% ~ 95% Non-condensing 5%~95% Non-condensing	
Power Consumption		≤5	W



Ordering Information

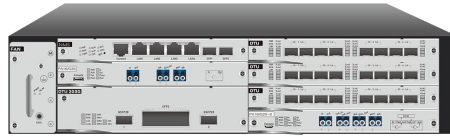
Model	Function	Switching Time	Insertion Loss
HT6000-OLP-BD	Single-fiber bidirectional line protection mode; Splitter are sent at the same time, OLP-BD select R1 or R2 to receive.	≤20ms	Splitter≤4dB OLP-BD≤1.5dB

HT6000 Series Chassis



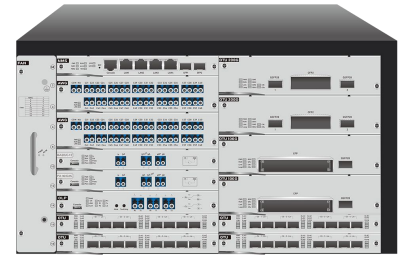
CH04 Chassis

- Standard 1U, 19", 4 slots
- Dual power supply AC/DC optional
- Multiple service card hybrid insertion
- Support 10G/100G /200G hybrid transmission



CH08 Chassis

- Standard 2U, 19", 8 slots
- Dual power supply AC/DC optional
- Multiple service card hybrid insertion
- Support 10G/100G /200G hybrid transmission



CH20 Chassis

- Standard 5U, 19", 20 slots
- Dual power supply AC/DC optional
- Multiple service card hybrid insertion
- Support 10G/100G /200G hybrid transmission

HT6000 Series Chassis is the foundation for deploying and managing the HTF multi-service mixed-media solutions.

HT6000 Series Chassis Optional			
CH04 Chassis: 482.5(W) x 350(D) x 44.5(H) mm	1U 19-inch chassis	1 network management slot	3 universal service slots
CH08 Chassis: 482.5(W) x 350(D) x 89(H) mm	2U 19-inch chassis	1 network management slot	7 universal service slots
CH20 Chassis: 482.5(W) x 350(D) x 222.5(H) mm	5U 19-inch chassis	1 network management slot	19 universal service slots
Power Consumption: 1U <120W, 2U<200W, 5U<400W			
Support SNMP, Web, CLI multiple network management modes			
Support dual power supply redundancy protection, Power supply support AC: 220V / DC: -48V optional			

HT6000 Series Chassis support multiple service intermixing:

100G Transponder	100G OEO	4/8/16/40/48 Channel DWDM MUX/DEMUX, or OADM Card
2x100G to 200G Muxponder	25G OEO	4/8/16 Channel CWDM MUX/DEMUX
4x25G to 100G Muxponder	2x10G OCP Transponder	OLP Optical Line Protection
4x10G SFP+ Transponder	8x1.25G Convergence 10G Muxponder	EDFA Card