

OLP & Managed Chassis datasheet

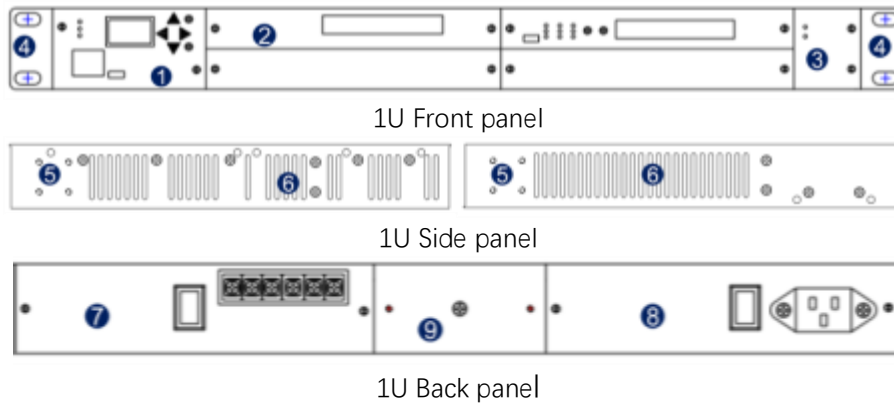
Catalog

1.Managed Chassis.....	2
1.1 Chassis appearance	2
1.1.1 1U Chassis.....	2
1.1.2 2U Chassis.....	2
1.1.3 4U Chassis.....	3
1.2 Chassis components.....	4
1.2.1 NMU.....	4
1.2.2 Chassis components ordering information	4
1.3 Chassis components parameters	5
2. OLP Card.....	5

1. 1U/2U/4U Managed Chassis

1.1 Chassis appearance

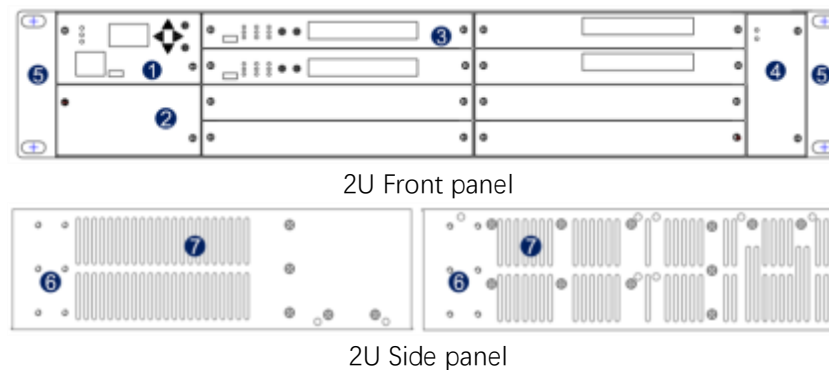
1.1.1 1U Chassis



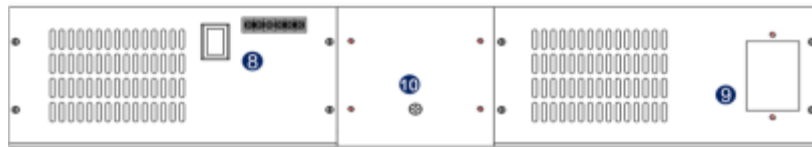
Description:

- ① Main control card slot
- ② Service card slot, maximum support 4 service board cards, our service board cards all can be mixed interpolation and hot swap.
- ③ Fan slot, Support for fan hot swap and independent replacement.
- ④ Stretchable lug
- ⑤ Lug instillation position
- ⑥ Side vent
- ⑦ Power 1 slot, plug in AC/DC power supply, support hot swap
- ⑧ Power 2 slot, plug in AC/DC power supply, support hot swap
- ⑨ Grounding screw

1.1.2 2U Chassis



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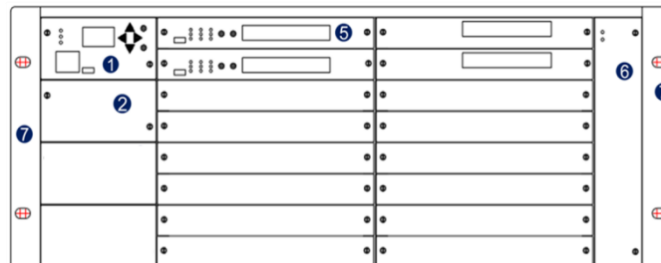


2U Back panel

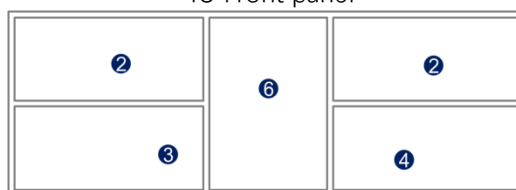
Description:

- ① Main control card slot
- ② Expansion slot, plug in 8 Ethernet switch cards or other cards
- ③ Service card slot, maximum support 8 service board cards, all our service board cards can be mixed interpolation and hot swap.
- ④ Fan slot, Support for fan hot swap and independent replacement
- ⑤ Stretchable lug
- ⑥ Lug instillation position
- ⑦ Side vent
- ⑧ Power 1 slot, plug in AC/DC power supply, support hot swap
- ⑨ Power 2 slot, plug in AC/DC power supply, support hot swap
- ⑩ Grounding screw

1.1.3 4U Chassis



4U Front panel



4U Back panel

Explain:

- ① Main control card slot
- ② Expansion slot, plug in 8 Ethernet switch cards or other cards
- ③ Power 1 slot, plug in AC/DC power supply, support hot swap
- ④ Power 2 slot, plug in AC/DC power supply, support hot swap
- ⑤ Service card slot, maximum support 16 service board cards, all our service board cards can be mixed interpolation and hot swap

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- ⑥ Fan slot, Support for fan hot swap and independent replacement
- ⑦ Stretchable lug

1.2 Chassis Component

1.2.1 NMU

Main control card panel

- ① Equipment status indicator: P1(Power1), P2(Power2), RUN
- ② HD dual color LCD display screen
- ③ Operation keys
- ④ Ethernet communication interface
- ⑤ Micro USB equipment upgrade interface
- ⑥ Optical transceiver slot (Support 100/1000Mbps SFP)
- ⑦ Optical transceiver working status indicator



Equipment management

- Equipment status, card performance can be monitored
- Card parameters can be settled
- Support band network management
- Supports SNMP, Telnet, Client

1.2.2 Chassis components ordering information

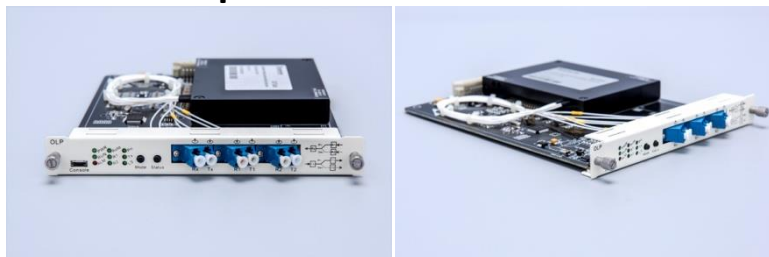
TN10	1U Chassis, 482.6W×300D×44.5H mm (with lug)
TN20	2U Chassis, 482.6W×300D×86H mm (with lug)
TN40	4U Chassis, 482.6W×300D×176H mm (with lug)
PW-AC-50	1U 100~240V AC power supply
PW-AC-100	2U 100~240V AC power supply
PW-AC-200	4U 100~240V AC power supply
PW-DC-50	1U 36~72V DC power supply
PW-DC-100	2/4U 36~72V DC power supply
NMU-ES	Communication managed card, with LCD、10/100M Ethernet port、SFP port
FAN-1	1U FAN
FAN-2	2U FAN
FAN-4	4U FAN
BP-S	Short front panel
BP-1	1 slot front panel
BP-2	2 slots front panel
BP-P-1	1U power supply panel
BP-P-2	2U/4U power supply panel

1.3 Machine frame correlation parameter

Parameters		Unit	Specifications
Environmental parameter	Working temperature	°C	-10~ 60°C
	Storage temperature	°C	-20°C~ 75°C
	Relative temperature	°C	5% ~ 95% No condensation
Size	1U	mm	482.6W×300D×44.5H (with lug)
	2U	mm	482.6W×300D×86H (with lug)
	4U	mm	482.6W×300D×176H (with lug)
Power Supply	AC	V	100~240, 50~60hz
	DC	V	36~72
Consumption	1U	W	< 50 (Max)
	2U	W	< 100 (Max)
	4U	W	< 200 (Max)

2. OLP card

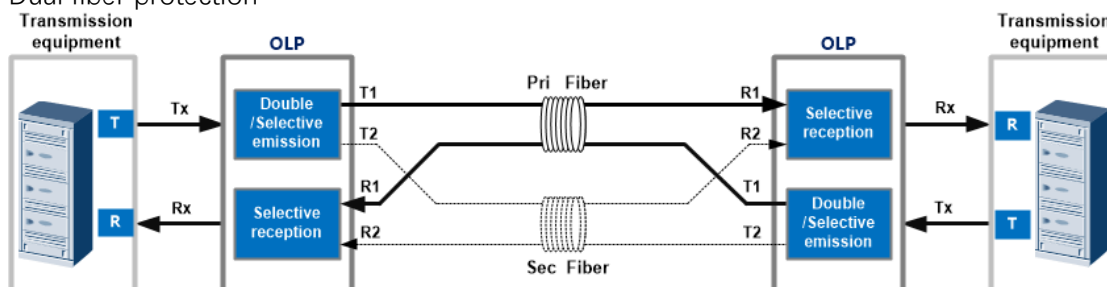
Optical Line Protection



Product Description

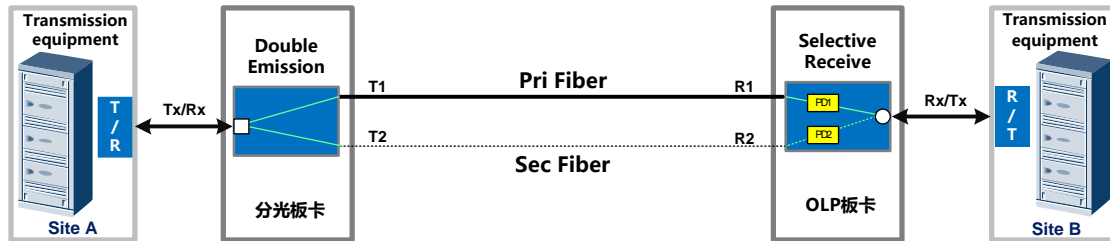
OLP (optical line protection) is a product for network transmission line protection, which can realize optical power monitoring and automatic switching. In the optical communication network, OLP monitors the optical power of the working fiber and the standby fiber in real time. When the optical power value of the working fiber is lower than the set switching threshold, the system will give an alarm and automatically switch to the standby fiber, realizing the line protection of the optical transmission system.

Dual fiber protection



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Single fiber protection



Note: The wavelength of PD1&PD2 should be customized specially when single fiber protection is working.

Product Applications

- SDH network
- IP network
- C/DWDM network
- Others optical network

Product Features

- Low insertion loss
- Fast switching
- high reliability
- Support automatic/manual switching
- Support switch back
- Power off do not interrupt transmission

■ Performance Index

Parameters	Unit	Specifications		
		BIDI 1+1	1+1	1:1
Operating Wavelength	nm	1310±50 / 1550±50		
Monitoring optical power range	dBm	+ 23 ~ -50		
Monitoring optical power accuracy	dB	±0.25		
Optical power resolution	dB	±0.01		
Crosstalk	dB	≥55		
Return loss	dB	≥55		
Isolation	dB	≥45		
PDL	dB	≤0.05		
WDL	dB	≤0.1		
Optical Power	mw	≤300		
IL (1)	dB	TX < 3.8, RX < 1.0		TX < 1.2, RX < 1.0
Switching speed	ms	<15		<35
Operation life	time	>10000000		
Consumption	W	< 3		

Note: default connector is LC/UPC

■ Ordering Information

OLP-X-XX-X-XX

Item	-	Transmission	-	Type	-	Customized function	-	Fiber connector
OLP		S: single fiber one-way		00: 1-1		N: NO		LU: LC/UPC
		B: single fiber works both ways		11: 1:1		F: with 1625 port		LA: LC/APC
		D: double fiber two-way		22: 1+1				

Note: Single fiber system only supports 1-1 protection mode, PD detection wavelength needs to be clear when ordering, and need to cooperate with a 50:50 spectrophotometric board card can be used normally.
Double fiber system supports 1+1 & 1:1 protection mode.