LIGHTX

10G OEO

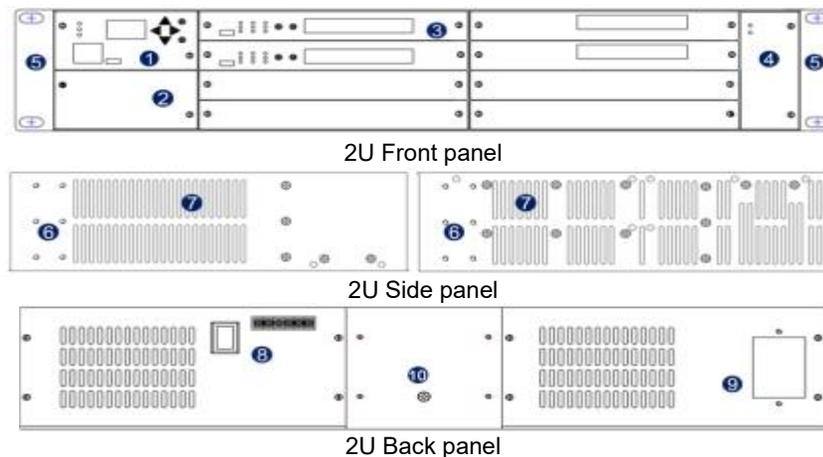## Machine frame appearance description
1U Machine frame

1U Front panel

1U Side panel

1U Back panel
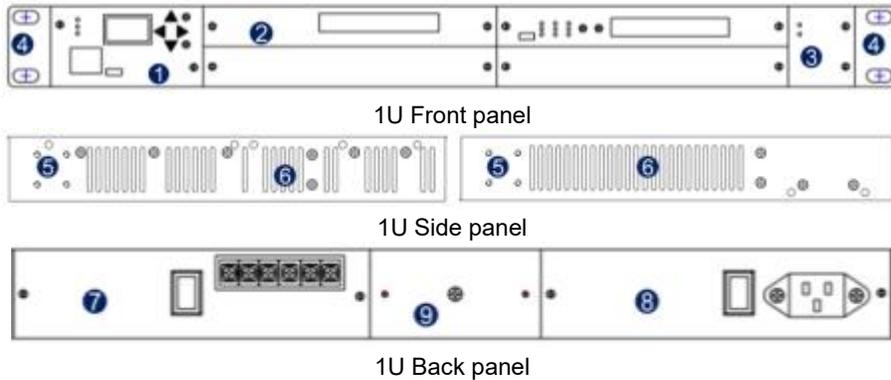
Explain：

①NMU card slot

②Business card slot,maximum support four business cards, our business cards all can be mixed interpolation and hot swappable

③Fan slot,Support for fan hot swap and independent replacement

④Scalable lug　⑤Lug instillation position　⑥Side vent

⑦Power 1 slot,can plug in AC power supply or DC power supply, support hot swap

⑧Power 2 slot,can plug in AC power supply or DC power supply, support hot swap

⑨Grounding screw

2U Machine frame

2U Front panel

2U Side panel

2U Back panel

Explain：

①NMU card slot

②Expansion slot,can plug in eight Ethernet switch cards or other cards

③Business card slot,maximum support eight business cards,all our business card can be mixed interpolation,hot swappable

④Fan slot,Support for fan hot swap and independent replacement

⑤Scalable lug　⑥Lug instillation position　⑦Side vent

⑧Power 1 slot,can plug in AC power supply or DC power supply, support hot swap

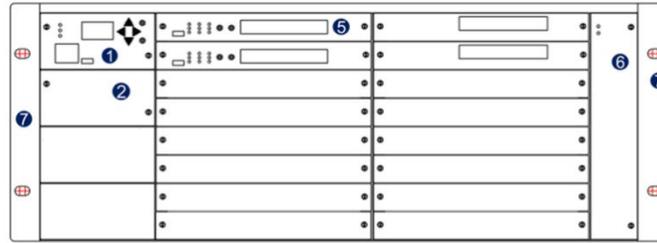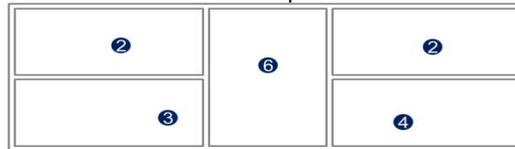⑨Power 2 slot,can plug in AC power supply or DC power supply, support hot swap

⑩Grounding screw

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4U Machine frame

4U Front panel

4U Back panel

Explain：

①NMU card slot

②Expansion slot,can plug in eight Ethernet switch cards or other cards

③Power 1 slot,can plug in AC power supply or DC power supply, support hot swap

④Power 2 slot,can plug in AC power supply or DC power supply, support hot swap

⑤Business card slot,maximum support sixteen business cards,all our business card can be mixed interpolation,hot swappable

⑥Fan slot,Support for fan hot swap and independent replacement

⑦Scalable lug

Machine frame correlation parameter

Parameters		Unit	Specifications
Environmental parameter	Working temperature	℃	-10~ 60℃
	Storage temperature	℃	-40℃~ 85℃
	Relative temperature	℃	5% ~ 95% No condensation
Size	1U	mm	482.6W×300D×44.5H
	2U	mm	482.6W×300D×86H
	4U	mm	482.6W×300D×176H
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）

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Network management
#### NMU instructions

①Equipment status indicator：P1（Power1）、P2(Power2)、RUN

②HD dual color LCD display screen

③Operation keys

④Ethernet communication interface

⑤Micro USB equipment upgrade interface

⑥Optical transceiver slot（Support 100/1000Mbps SFP）
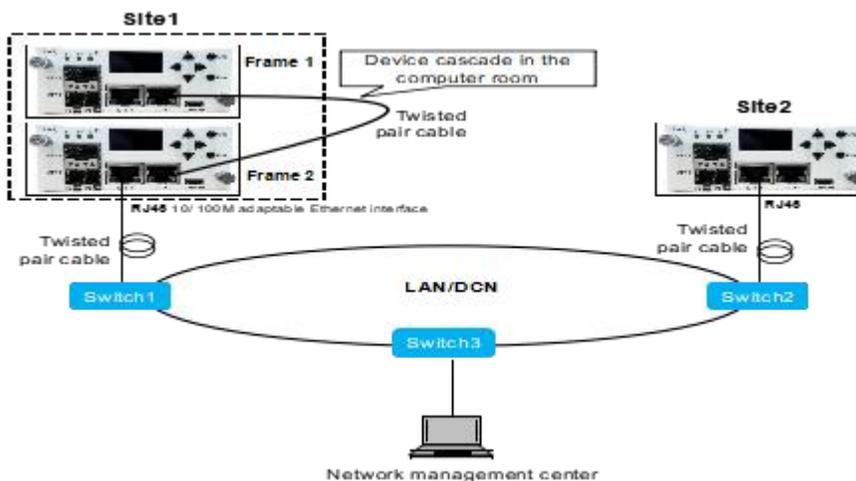
⑦Optical transceiver working status indicator

Note:

（1）Equipment state,card performance can be visible completely；

（2）Card parameters can be set by panel.

- The equipment management signal and business signal use the same optical fiber transmission
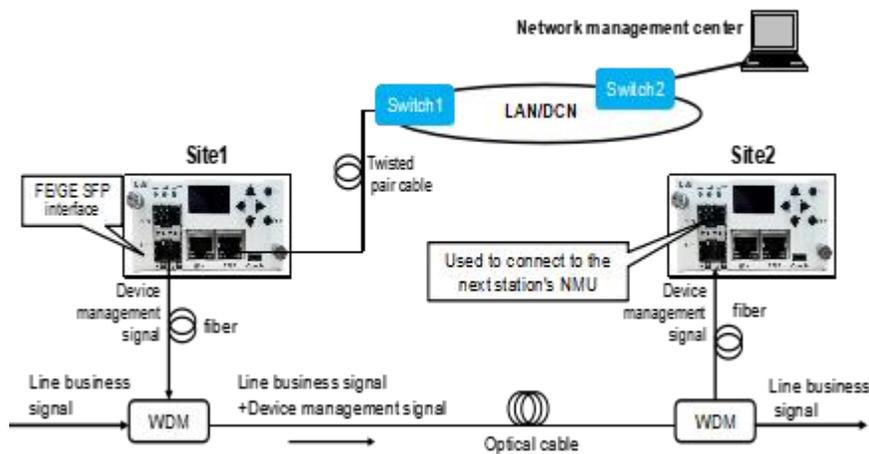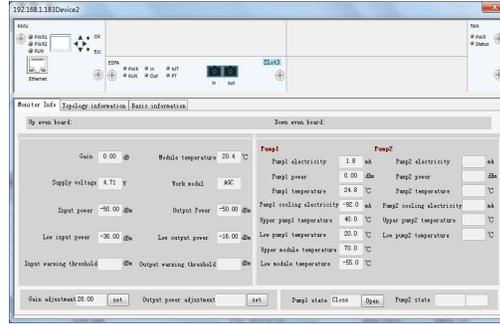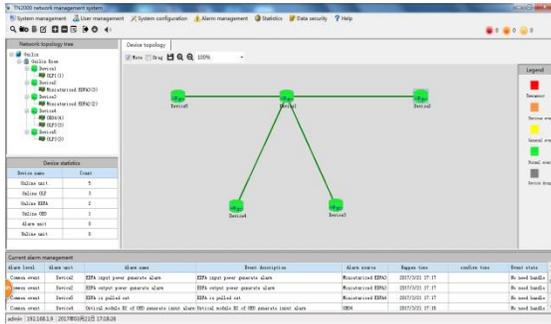

- Equipment management signal and business signal are transmitted independently
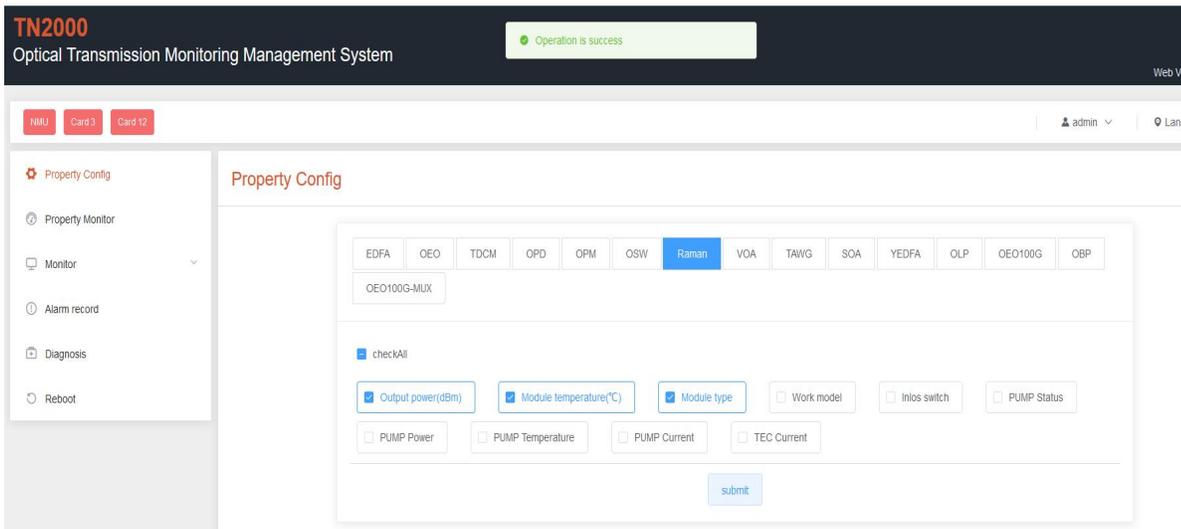
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Professional integrated network management Software

Web management

Equipment management

- Equipment state,card performance can be visible completely
- Card parameters can be set by panel
- Support in or out of band network management
- Supports SNMP, Client

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Product mix

Customers can configure 2U and 4U boxes according to requirements.

Parameters		Unit	Specifications	Remark
Card capacity	1U	pcs	Max 4	For only 1 slot card
	2U	pcs	Max 8	
	4U	pcs	Max 16	
Size	1U	mm	482.6W×300D×44.5H	19"
	2U	mm	482.6W×300D×86H	19"
	4U	mm	482.6W×300D×176H	19"

10G OEO card

Product Description

OEO is optical signal regeneration conversion equipment based on the principle of O-E-O. The product is applied to optical signal wavelength conversion, single mode conversion, relay amplification, signal regeneration and other occasions and is widely used in the field of optical communication.

Product Applications

- SDH
- Ethernet
- C/DWDM

Product Features

- Full rate access：155Mbps~11.3Gbps
- Full service access：Ethernet, P/SDH, ATM, etc.
- Support 3R function
- Single card supports 4-channel two-way/8-channel one-way business processing
- High level of integration by plug-in design, which saves space of cabinet
- Expansion is very convenient

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10G OEO

Performance Index

Parameters		Unit	Specifications				
9.95~11.3Gbps	Working wavelength	nm	850	1310	1550/CWDM/DWDM		
	Transmission distance	km	0.3	10	40	80	
	Input power range	dBm	-11~-1	-14~0	-16~0	-24~-7	
	Output power range	dBm	-6~-1	-6~0	-1~+3	0~+4	
2.5Gbps	Working wavelength	nm	1310	1550/CWDM/DWDM		DWDM	
	Transmission distance	km	20	40	80	120	
	Input power range	dBm	-18~0	-18~0	-28~-10	-30~-10	
	Output power range	dBm	-5~0	-2~+3	0~+5	0~+5	
1.25Gbps	Working wavelength	nm	850	1310	1550/CWDM/DWDM		
	Transmission distance	km	0.55	10	40	80	120
	Input power range	dBm	-18~-3	-18~-3	-24~-1	-24~-1	-31~-9
	Output power range	dBm	-9~-3	-9~-3	-5~0	0~+5	0~+5
622Mbps	Working wavelength	nm	1310	1550/CWDM		1550	
	Transmission distance	km	20	40	80	120	
	Input power range	dBm	-28~-8	28~-8	28~-8	-31~-9	
	Output power range	dBm	-14~-8	-5~0	-3~+2	0~+5	
155Mbps	Working wavelength	nm	1310	1550/CWDM			
	Transmission distance	km	20	40	80	120	
	Input power range	dBm	-32~-3	-34~-9	-34~-9	-34~-9	
	Output power range	dBm	-14~-8	-7~-2	-5~0	0~+5	
Extinction ratio		dB	≥10				
dithering performance			Conform ITU-T G.825（2000）				
SMSR		dB	> 30				
Consumption		W	＜15				