



# FR8000

# Optical Line System

# WEB-GUI Interface User Guide

Release 2.0.0

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## Revision History

Version	Date	Author	Reasons of Change	Section(s) Affected
1.0	2017/12/04		Initial Release	All
2.0	2021/05/01		General Update	All





## Chapter 1 System Introduction

FR8000-OLS is a new generation of the optical line system, apply to edge data center interconnection, particularly for IPoverDWDM applications. Provide a cost-effective and meet the transport capacity demand for more than 4T.

### 1.1 Key Feature

- Super T-bit Capacity
- Extra Long Distance -2000km, Without electric repeater transmission capacity.
- Support 100M to 400G mixed transmission.
- Smooth network update for high bandwidth.
- Whole network intelligent protection, high reliability.
- Line-side Support 1+1 Double port selecting redundancy protection
- The modular design of Power Supply, Fan Unit, Services Card for easy maintenance.

### 1.2 Various Format

- 1U/1.25U open and modularized chassis structure.
- 1/4 universal module slots
- High-density Mux/Demux

### 1.3 Intelligent Network Management

- Support SNMP、CLI、WEB、TELNET
- Completely visual graphic information
- Support electronic map positioning, fault location and isolation quickly and accurately
- Support voice alarm, e-mail alerts, SMS alerts approach, real-time online remote monitoring
- EMS Management platform, covering the entire Process from Plan to maintenance.
- Support fault quick diagnosis, one-click export resource statements
- Support Cable Fault point localization diagnosis, real-time detection cable quality.
- Support OPM transmission performance scan



#### 1.4 Chassis specifications

System parameter	Description
Power Supply	(Optional)2*DC-48V , (Optional)2*AC 220V
FAN	4 *FAN units
Operation Temperature	0°C ~ 50°C
Altitude	0-10,000ft
Humidity	5% ~ 95% (Non-condensing)
Dimension	430(D)*355(W)*265(H)mm

#### 1.5 Chassis Indicator Instruction

Indicator	Name	Description
PWR	Rack Power Supply Indicator	On: Power Supply in normal Off: Power Supply in abnormal
PS_A	DC Power Supply_1 Indicator	On: Power Supply in normal Off: Power Supply in abnormal
PS_B	AC Power Supply_2 Indicator	On: Power Supply in normal Off: Power Supply in abnormal
PS_C	AC Power Supply_1 Indicator	On: Power Supply in normal Off: Power Supply in abnormal
PS_D	AC Power Supply_2 Indicator	On: Power Supply in normal Off: Power Supply in abnormal

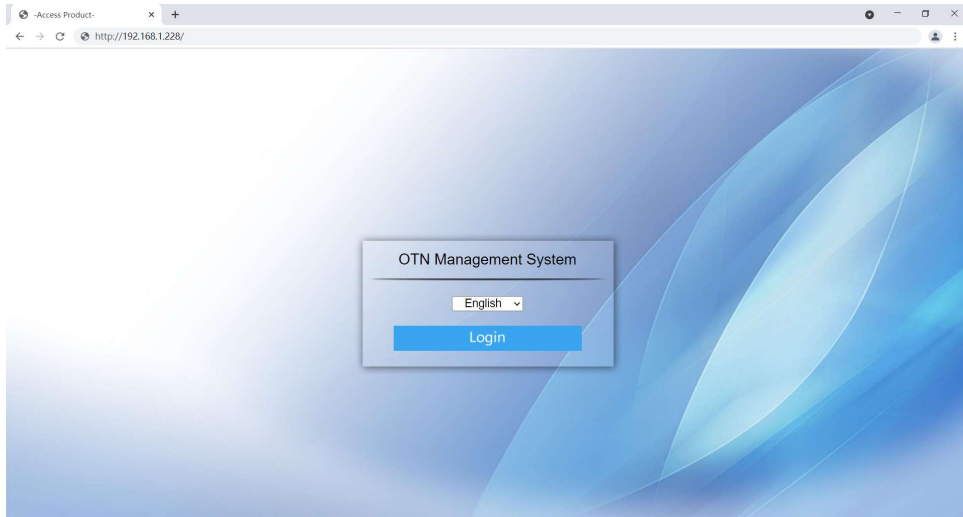




## Chapter 2 Network Management Interface

### 2.1 Login

Initial IP address: 192.168.1.228

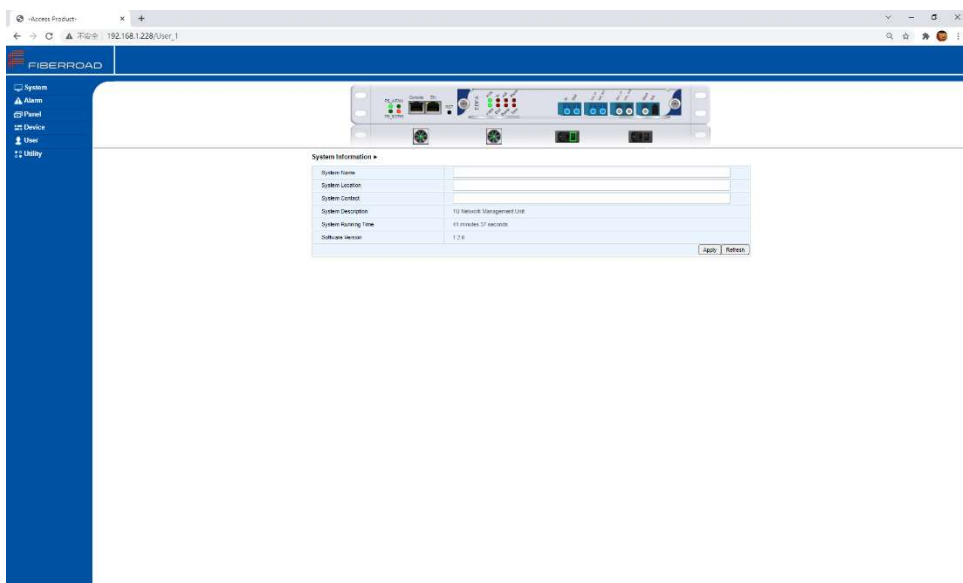


Default User Name: Admin

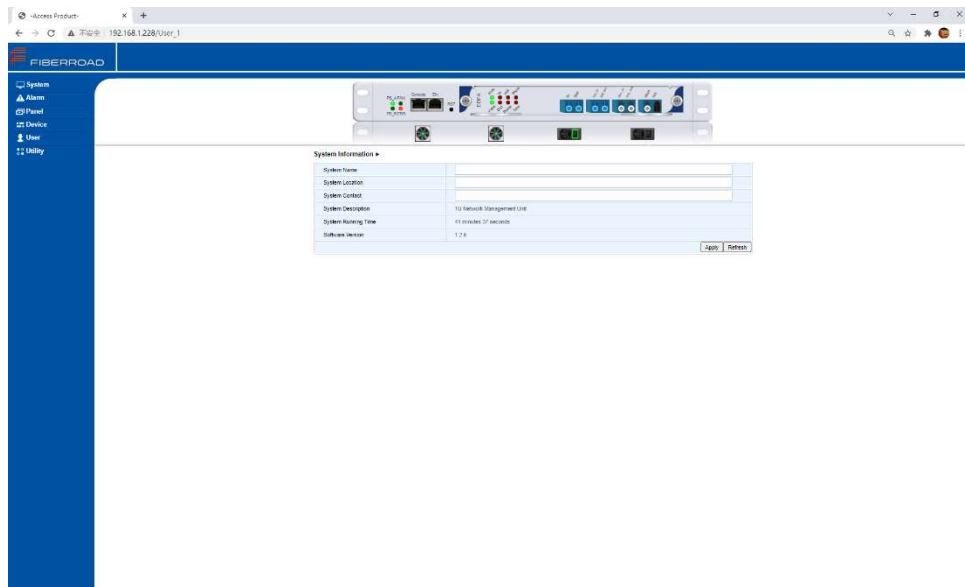
Password: 1234



### Interface Introduction



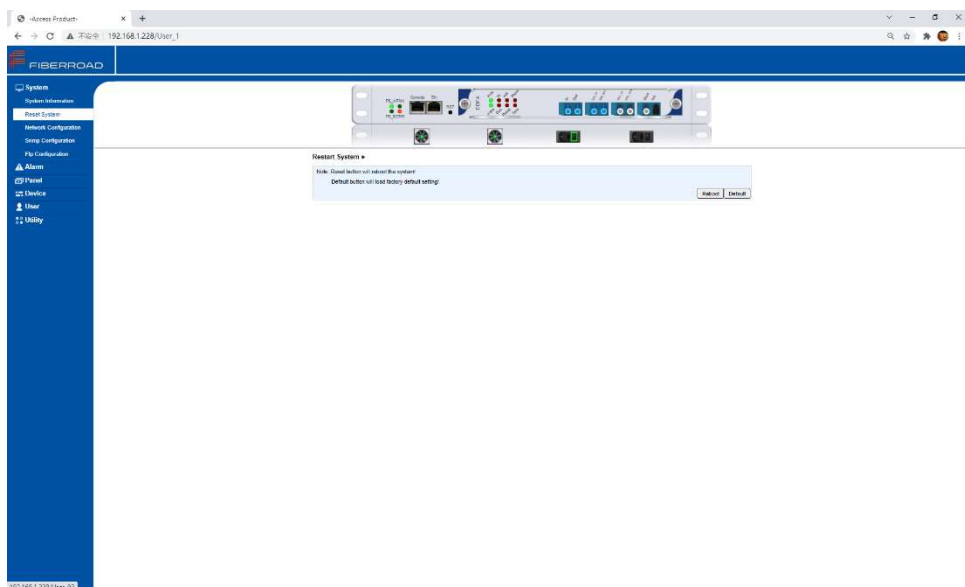
## 2.2.1 System - System Information



Parameter	Description	Default
System Name		None
System Location		None
System Contact		None
System Description		Read Only
System Running Time	System Running Timer <sup>1</sup>	Read Only
Software Version	Current Version No.	Read Only

Notes: 1, Timer will be reset after power-off

## 2.2.2 System - Reboot System

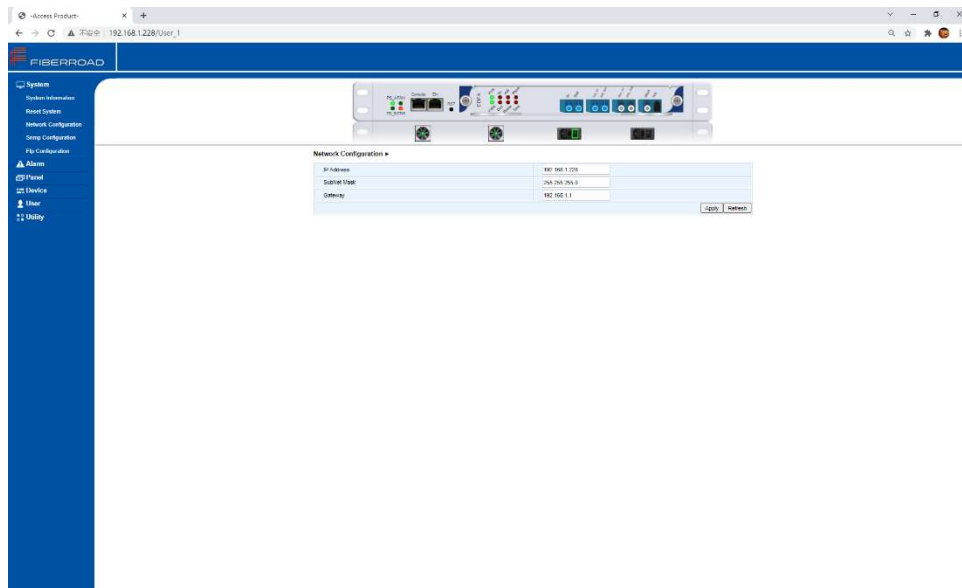


Notes: 1, Reboot button will reboot the system  
2, Default button will load factory default settings





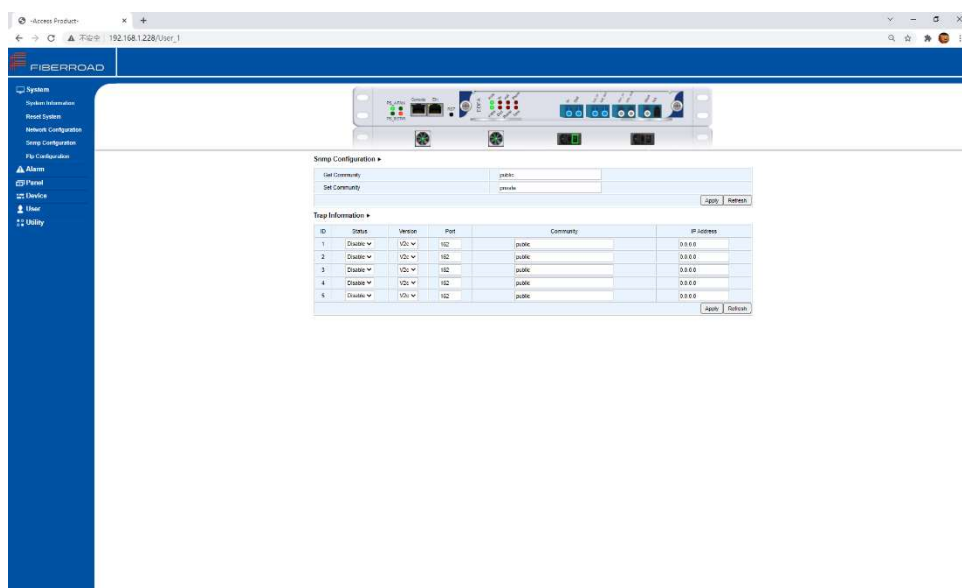
## 2.2.3 System – Network Configuration



Parameter	Description	Default
IP Address		192.168.1.228
SubNet Mask		255.255.255.0
Gateway		192.168.1.1

Notes: 1, Apply to submit the configuration  
2, Refresh to verify the configuration

## 2.2.4 System – SNMP Configuration

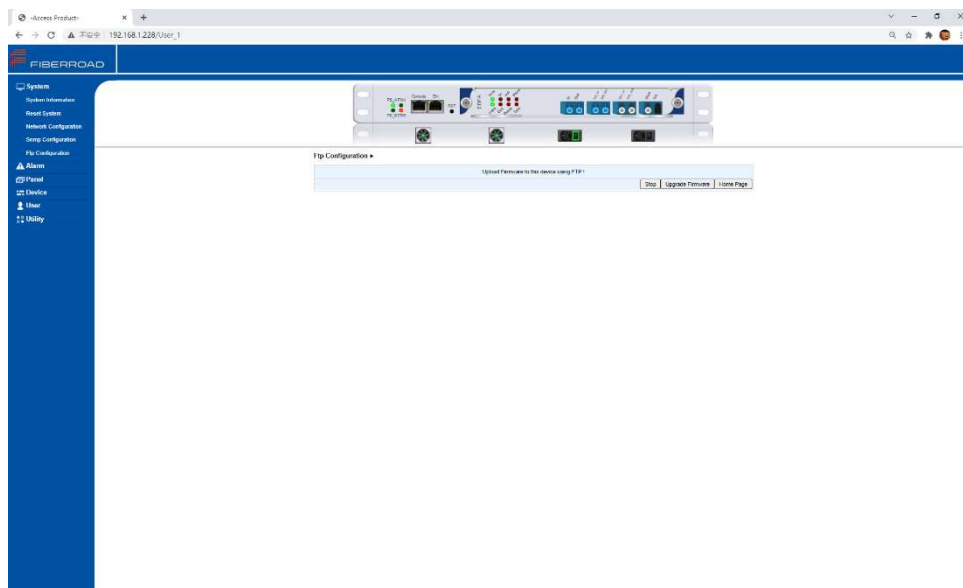


SNMP Configuration	Description	Default
Get Community	Public/Private	Public
Set Community	Public/Private	Private

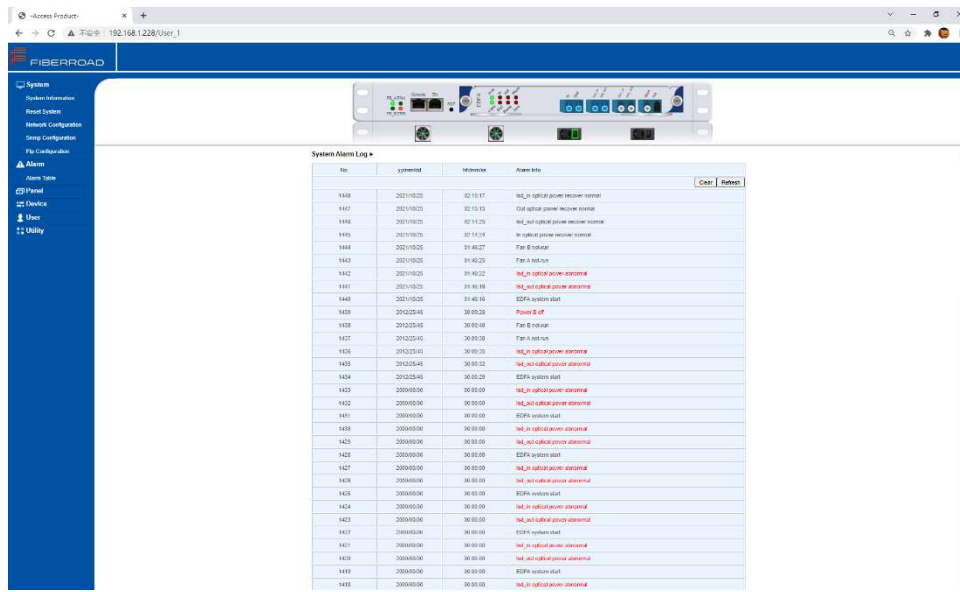
Tap Configuration	Description	Default
ID	1~5	None
Status	Enable/Disable	Disable
Version	V1 / V2c	V2c
Port		162
Community <sup>1</sup>		Public
IP Address		0.0.0.0

Notes: 1, The public community string is viewed as a “read-only” request, permitting the network administrator to view—but not modify—the remote device. The “private” community string is a more powerful option in that it allows the network administrator to “read/write” to the remote system.

## 2.2.5 System – FTP Configuration



### 2.3.1 Alarm – Alarm Table



System Alarm Log	Description	Default
No.	Item	None
yy/mm/dd	Date	None
hh/mm/ss	Time	None
Slot	M: NMC Slot/01-15: services slot	--
Alarm Info	Check list of Alarm Info	None

Note: [Download](#) to save the Alarm Log as Excel file into PC

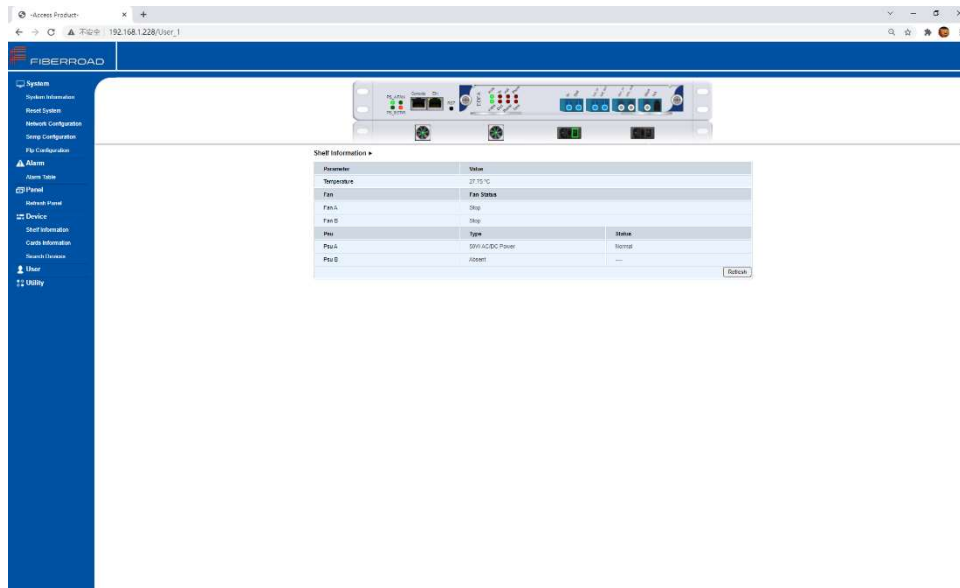
	A	B	C	D	E	F	G	H
1	No.	yy/mm/dd	hh/mm/ss	Slot	Alarm Info			
2								
3	775	2000/10/18	06:21:29	--	Fan D normal			
4	774	2000/10/18	06:21:27	--	Fan C normal			
5	773	2000/10/18	06:21:25	--	Fan B normal			
6	772	2000/10/18	06:21:23	--	Fan A normal			
7	771	2000/10/18	06:21:21	--	Power D off			
8	770	2000/10/18	06:21:19	--	Power C on			
9	769	2000/10/18	06:21:17	--	Power B off			
10	768	2000/10/18	06:21:15	--	Power A off			
11	767	2000/10/18	06:21:13	05	EDFA card detected			
12	766	2000/10/18	06:21:11	07	OTU card detected			
13	765	2000/10/18	06:21:09	M	NMS LAN4 link up			
14	764	2000/10/18	06:21:07	--	Power C inserted			
15	763	2000/10/18	06:21:05	M	NMS system start			
16	762	2000/10/12	06:07:56	--	Fan D normal			
17	761	2000/10/12	06:07:54	--	Fan C normal			
18	760	2000/10/12	06:07:52	--	Fan B normal			

### 2.4.1 Panel – Refresh Panel

Check the update card status

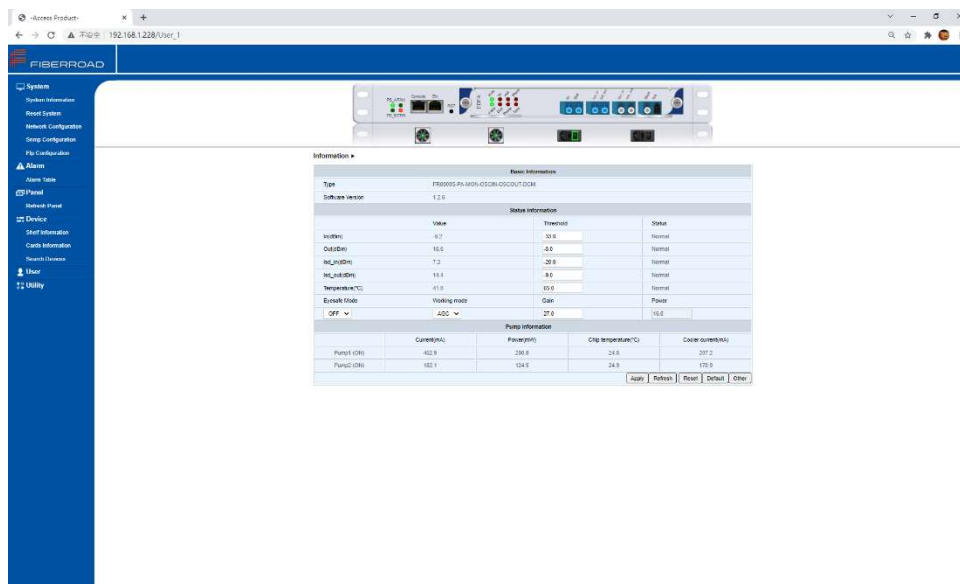


### 2.5.1 Device- Shelf Information



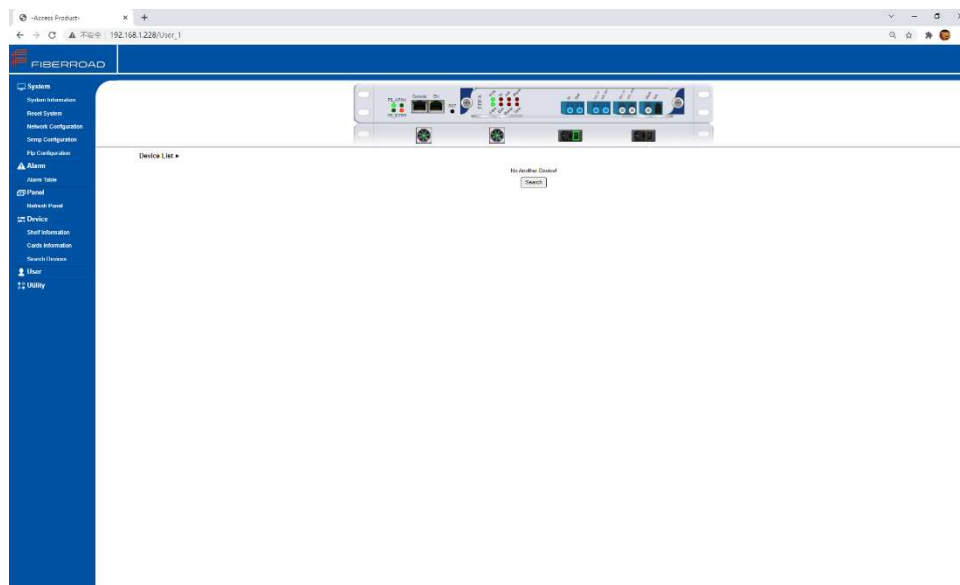
Chassis Parameters	Description	Default
Description	Chassis Description	Read Only
Temperature	Real-Time Temperature Detection	Read Only
Fan	Fan A-B	Read Only
Fan Status	Normal/Abnormal	Read Only
Psu	PSU A&B DC power supply	Read Only
Type	48V DC Power/AC Power	Read Only
Status	Normal/Abnormal	Read Only

### 2.5.2 Device- Cards Information



Slot	Description	Default
Threshold	When input power lower than threshold value, PUMP OFF	None
	When output power lower than threshold, EDFA trigger alarm	
Eyesafe Mode		OFF
Working Mode	AGC: Adjustable Gain $\pm 1$ dB APC: Output adjustable $\pm 1$ dB ACC: Voltage adjustable	AGC
Pump information	Real-time indication	Read Only
Gain	Power Gain Value	Base on parameters
Power	Output Power Value	Read Only

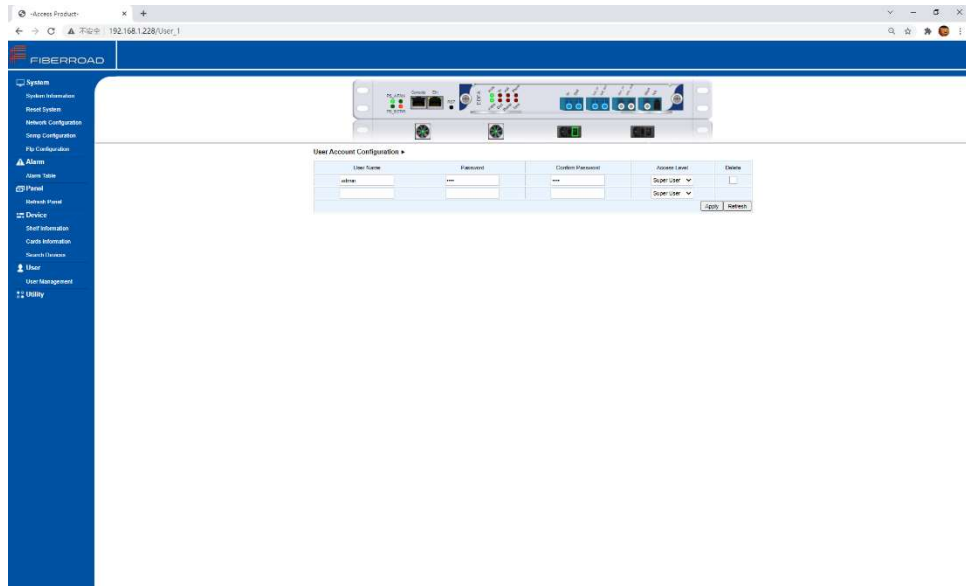
### 2.5.3 Device - Search Devices



Note: 1, Mainly search for a neighbour, apply for remote/neighbour discovery, monitoring.

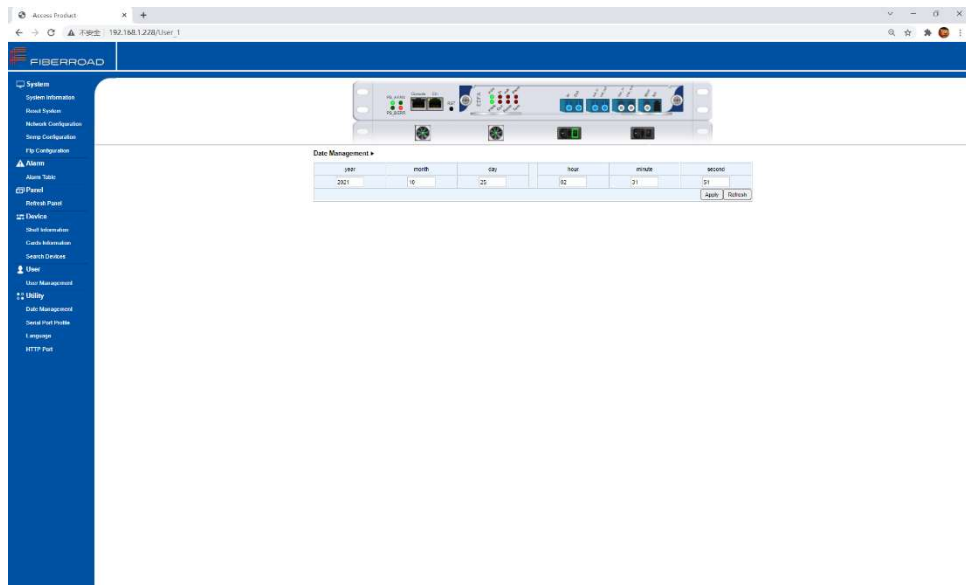


### 2.6.1 User - User Management



User Account Configuration	Description	Default
User Name	Total 2 account	admin
Password		1234
Confirm Password		1234
Delete	As Needed	None

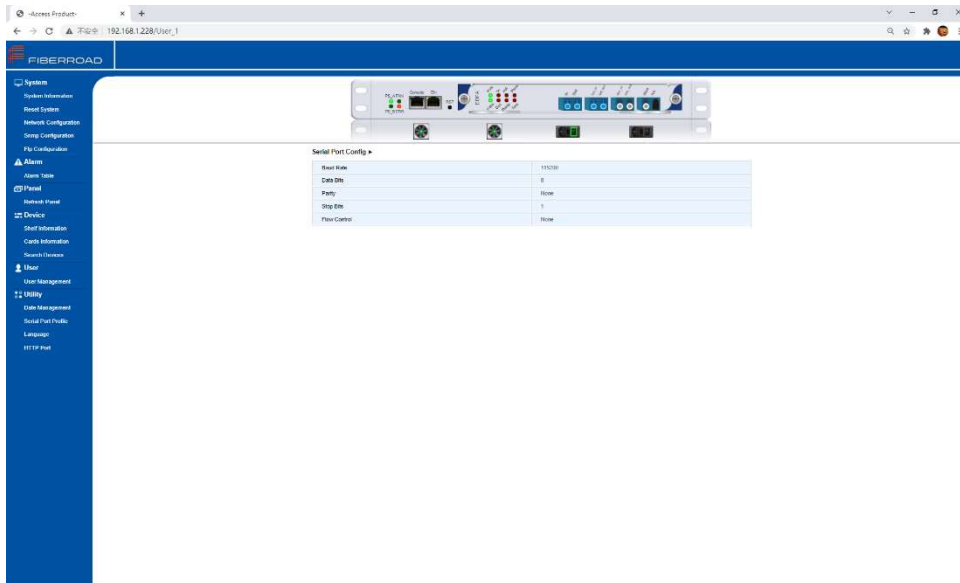
### 2.7.1 Utility - Date Management



Date Management	Description	Default
Time Set	As needed	None

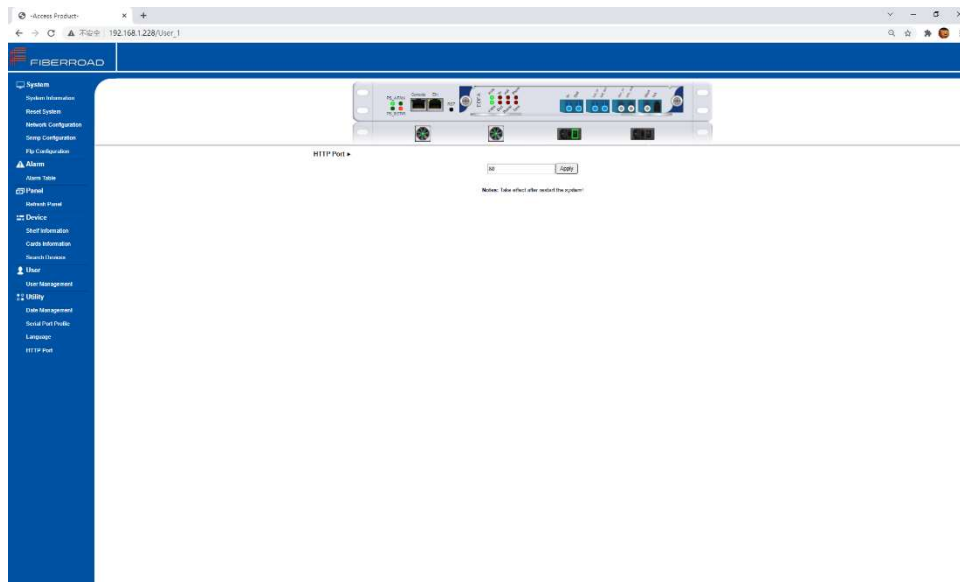
### 2.7.2 Utility - Serial Information





Serial Information	Description	Default
Baud Rate	115200	Read Only
Data Bits	8	Read Only
Parity	None	Read Only
Stop Bits	1	Read Only
Flow Control	None	Read Only

### 2.7.3 Utility - HTTP Port



Note: 1, Take effect after restarting the system



