

SIM Center User Manual

CONTENT

1.	Introduction.....	2
1.1	Overview	2
1.2	Working Mode	3
2.	Web Configuration.....	4
2.1	Login.....	4
2.2	Configuration	5
2.2.1	Group.....	5
2.2.2	GoIP.....	7
2.2.3	SIMPOOL.....	8
2.2.4	Zone.....	10
2.3	Monitor	11
2.3.1	GOIP Channel	11
2.3.2	SIM Channel.....	12
2.4	User Manage	13
2.4.1	Change Password.....	13
2.4.2	Manage Users	14
3.	GOIP and SIMPOOL settings.....	15
3.1	GOIPSettings.....	15
3.2	SIM POOL settings	16

SIM Center User Manual

1. Introduction

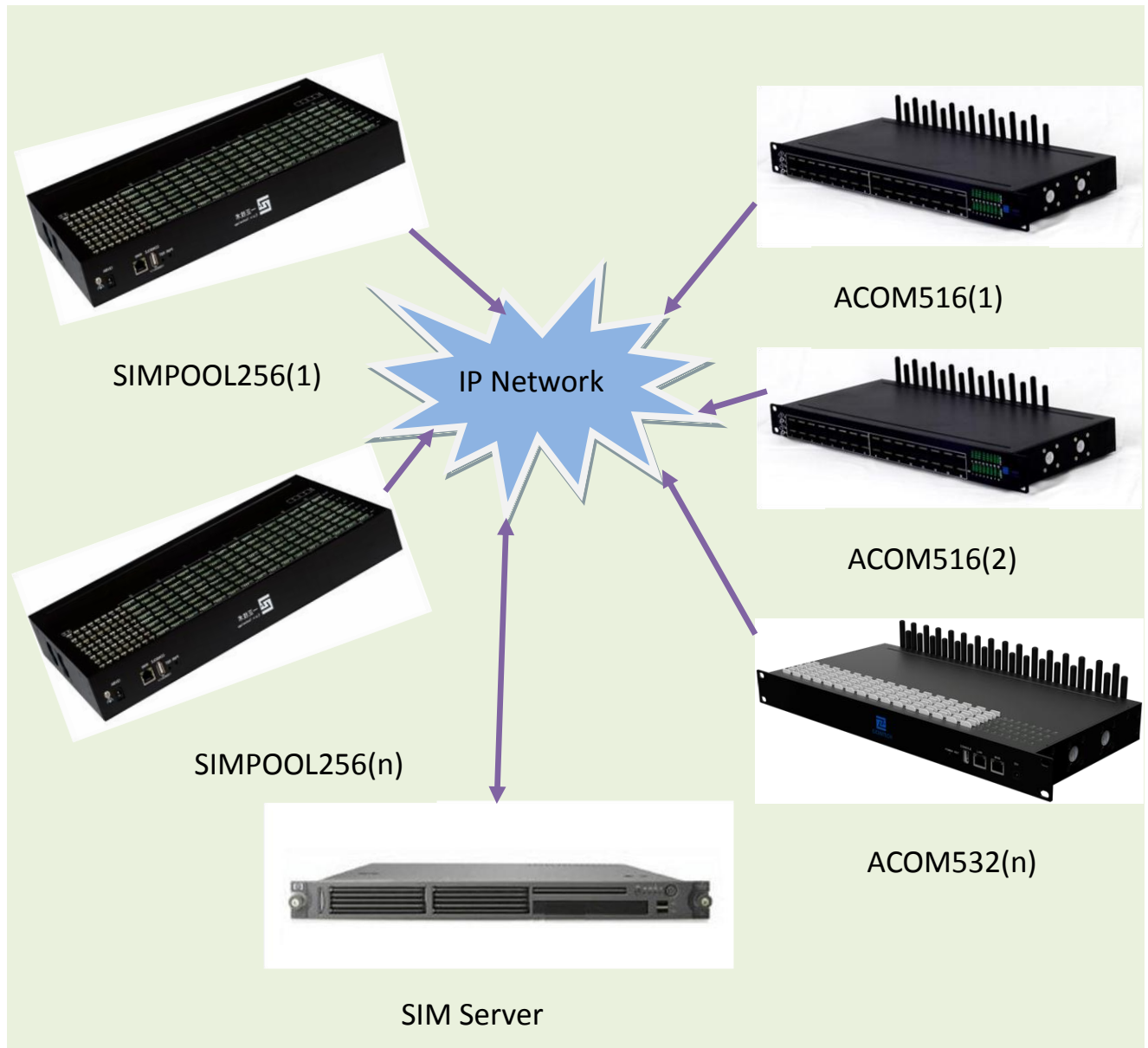
1.1 Overview

Sim Center is a centralized SIM management system which can schedule simpool and ACOM5xx series gateway. After installing the sim center software in the server, we can login the web interface and configure for simpool and gateway. So we can get information of the sim and gateway status from this system.

Sim Center has two scheduling modes. One is fixed mode, in this mode, sim will be registered on the fixed port of gateway. The other one is random mode, in this model, simpool and gateway must be in the same group and sim will be registered on the random port of gateway .

SIM Center User Manual

1.2 Working Mode

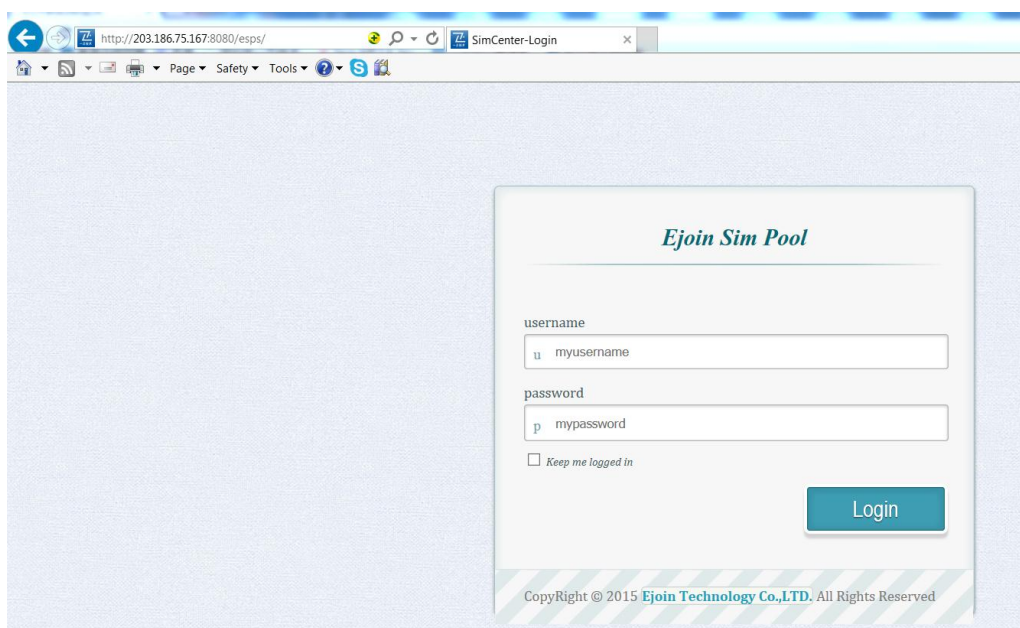


SIM Center User Manual

2. Web Configuration

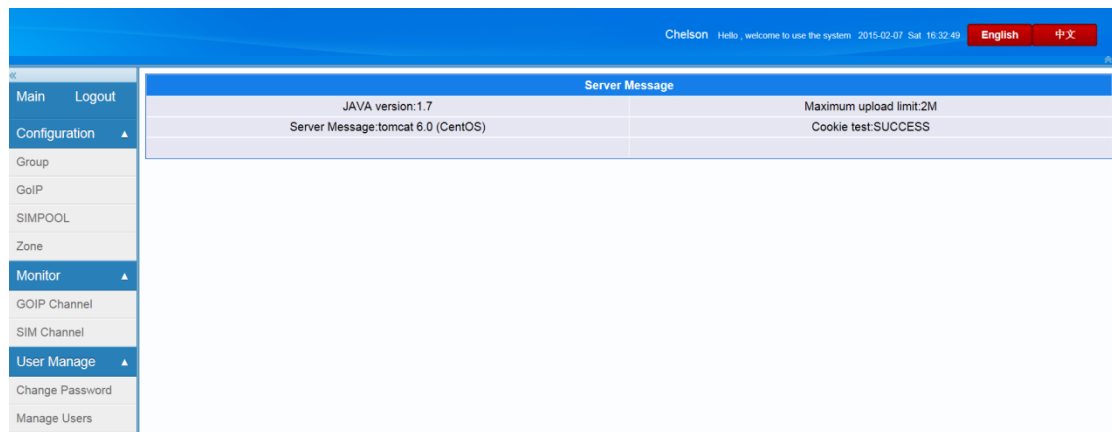
2.1 Login

Typing <http://IP:8080/esps> on the browser, IP is the server ip which installing the sim center software, default username and password is root.



The screenshot below shows the home page of the sim center web interface. There are three sections: configuration, monitor and user manage in this web interface. We will focus on these three sections for explaining the scheduling system.

SIM Center User Manual



2.2 Configuration

2.2.1 Group

The screenshot shows the GroupManagement interface. It includes a navigation bar with 'GroupList' and 'AddGroup' buttons. Below is a table with the following data:

Location: GroupList									
	GroupName	SIM Channel Number	GoIP Channel Number	Scheduler Type	Work Duration(m)	Sleep Duration(s)	Time schedule settings	Status	Operation
<input type="checkbox"/>	China	512	48	Cycle	0	0		working	EDIT
<input type="checkbox"/>	Pakistan	516	16	Cycle	0	0		working	EDIT
<input type="checkbox"/>	India	0	0	Cycle	0	0		working	EDIT
<input type="checkbox"/>	Bangladesh	0	0	Cycle	0	0		working	EDIT
<input type="checkbox"/>	Saudia	0	0	Cycle	0	0		working	EDIT

Below the table, there is a 'Delete Options' button and a pagination control showing 'Previous 1 Next Jump to [] OK' and 'Total 5 records, current show 1-5 record.'

If we don't do the fixed mode, in the same group, the simpools will automatically exchange their sims when it is time for schedule, so as to realize the automatic roaming of sims. This is called random mode.

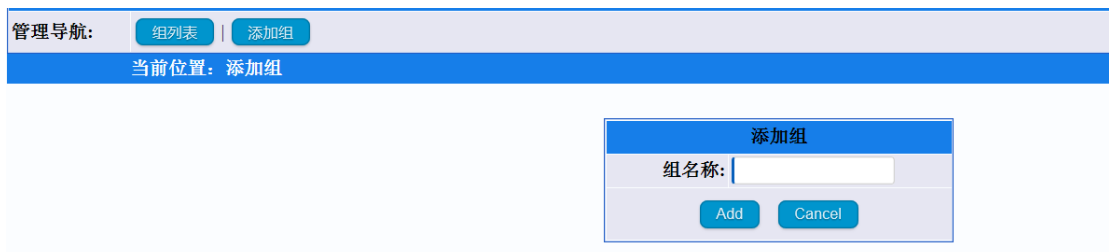
The parameters of group are specified as following:

- GroupName: the group ID when add it.
- SIM Channel Number: the capacity of sims.
- GoIP Channel Number: the capacity of gateway ports.

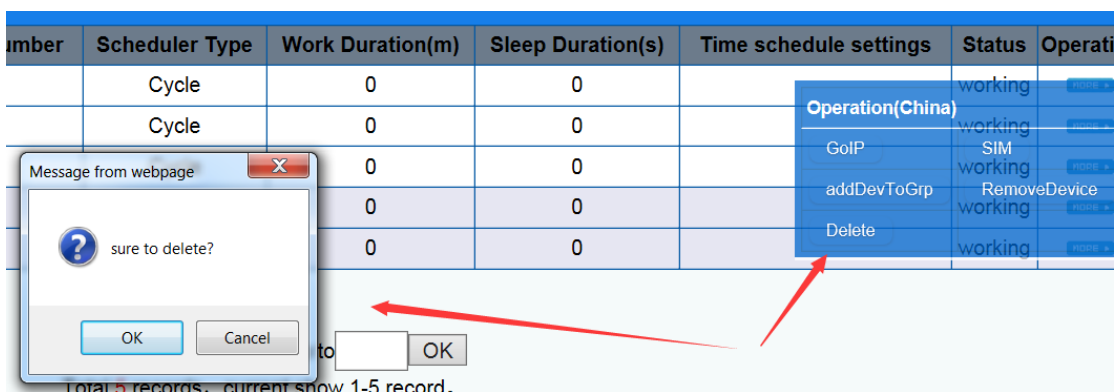
SIM Center User Manual

- Scheduler Type: specify the rotation policy in the sim center.
- Work duration: the working duration when gateway bind with simpool
- Sleep duration: after the work duration, simpool will cancel binding with gateway, then go to sleep status, the sleep time is the sleep duration.
- Time schedule settings: control the time of binding.
- Status: specify the status of group
- Operation: operate the gateway and simpool in this group, we can add device or delete device, and delete the group.

2.2.1.1 Add Group

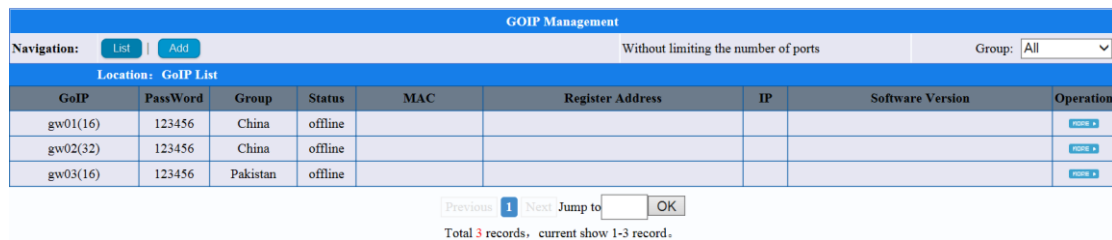


2.2.1.2 Delete Group



SIM Center User Manual

2.2.2 GoIP



The screenshot displays the 'GOIP Management' interface. At the top, there is a navigation bar with 'List' and 'Add' buttons, and a dropdown menu for 'Group' set to 'All'. Below this is a table titled 'Location: GoIP List' with the following columns: GoIP, PassWord, Group, Status, MAC, Register Address, IP, Software Version, and Operation. The table contains three rows of data. Below the table, there are navigation controls including 'Previous', 'Next', 'Jump to', and 'OK' buttons, along with a status message: 'Total 3 records, current show 1-3 record.'

GoIP	PassWord	Group	Status	MAC	Register Address	IP	Software Version	Operation
gw01(16)	123456	China	offline					edit
gw02(32)	123456	China	offline					edit
gw03(16)	123456	Pakistan	offline					edit

The parameters of GOIP are specified as following:

- GoIP: specify the gateway account, this account is for gateway registered on the sim center, the number in the bracket stand for gateway capacity.
- Password: specify the password of gateway account.
- Group: the group which goip belongs to.
- Status: shows the status of registration.
- MAC: shows the mac address when goip registered successfully.
- Register address: shows the registered public ip address.
- IP: shows the ip address of gateway.
- Software Version: shows the software version of gateway.
- Operation: login the ERM of gateway, get information of gateway ports.

SIM Center User Manual

2.2.2.1 Add GoIP

GoIP Management

Navigation: [List](#) | [Add](#)

Without limiting the number of ports

Location: AddGoIP

Add GoIP

GoIPName:

Password: *

Model: ==Model== ▾

Zone: None(for fixed bind) ▾

Group: None(for fixed bind) ▾

[Add](#) [Cancel](#)

The goip account and password are for registration, and set the model, zone and group for this account.

2.2.2.2 Delete GoIP

状态	MAC	设备注册地址	IP	Software Version	操作
成功	00-30-f1-00-05-7f	116.25.64.245:28129	192.168.1.253	516-465-798-041-100-000	删除
失败					删除
失败					删除

操作(gw01)

远程网管

线路列表

删除 详情

Message from webpage

删除设备会删除掉该设备下的所有线路，确认删除吗？

[OK](#) [Cancel](#)

2.2.3 SIMPOOL

Sim Pool Management

Navigation: [List](#) | [Add](#) Without limiting the number of ports Group: All ▾

Location: Sim Pool List

SimPool	Password	RegStatus	Group	MAC	Register Address	Address	swVer	Operation
sp01(256)	123456	offline	China					删除
sp02(516)	123456	offline	Pakistan					删除
sp03(256)	123456	offline	China					删除

Previous 1 Next Jump to OK

Total 3 records, current show 1-3 record.

SIM Center User Manual

The parameters of simpool are specified as following:

- SimPool: specify the simpool account, this account is for simpool registered on the sim center, the number in the bracket stand for simpool capacity.
- Password: specify the password of simpool account.
- Group: the group which simpool belongs to.
- Status: shows the status of registration.
- MAC: shows the mac address when simpool registered successfully.
- Register address: shows the registered public ip address.
- IP: shows the ip address of simpool.
- Software Version: shows the software version of simpool.
- Operation: login the ERM of simpool, get information of simpool ports.

2.2.3.1 Add Simpool

The screenshot displays the 'SIM Pool Management' interface. At the top, there is a blue header with the text 'SIM Pool Management'. Below the header, there is a navigation bar with 'List' and 'Add' buttons. The main content area has a blue bar with the text 'Location: AddSIM Pool'. In the center, there is a modal window titled 'Add SIM Pool' with the following fields: 'SIM Pool Name:' with a text input field and an asterisk, 'PassWord:' with a text input field and an asterisk, 'Model:' with a dropdown menu showing '==Model==' and an asterisk, and 'Group:' with a dropdown menu showing 'None(for fixed bind)'. At the bottom of the modal, there are 'Add' and 'Cancel' buttons.

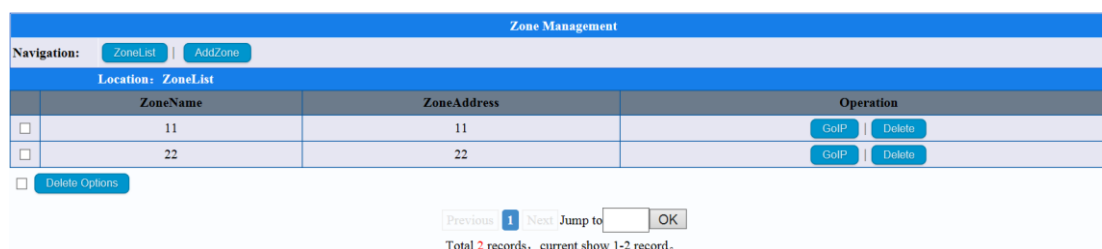
SIM Center User Manual

The simpool account and password are for registration, and set the model and group for this account.

2.2.3.2 Delete Simpool

Same like deleting goip

2.2.4 Zone



Zone Management			
Navigation: ZoneList AddZone			
Location: ZoneList			
	ZoneName	ZoneAddress	Operation
<input type="checkbox"/>	11	11	GoIP Delete
<input type="checkbox"/>	22	22	GoIP Delete

[Delete Options](#)

Previous **1** Next Jump to

Total 2 records, current show 1-2 record.

Zone is similar to group, but group include zone.

The parameters of zone are specified as following:

- ZoneName: the zone ID when add it.
- ZoneAddress: the address of zone
- Operation: operate the gateway and simpool in this zone and delete zone.

2.2.4.1 Add Zone

2.2.4.2 Delete Zone

Add and delete zone are same like group operation.

SIM Center User Manual

2.3 Monitor

2.3.1 GOIP Channel

GoIP: BulkOperation: Select the current page

Goip Channel Management										
Location: GOIP SLOT										Refresh
Now selected 0 GoIP channel(s)										
	Channel Name	SimSlot	Status	Group	CallDuration	CallerNum	CalleeNum	ICCID	IMSI	Operation
<input type="checkbox"/>	gw01.01		IDLE	China						Modify
<input type="checkbox"/>	gw01.02		IDLE	China						Modify
<input type="checkbox"/>	gw01.03		IDLE	China						Modify
<input type="checkbox"/>	gw01.04		IDLE	China						Modify
<input type="checkbox"/>	gw01.05		IDLE	China						Modify
<input type="checkbox"/>	gw01.06		IDLE	China						Modify

GOIP Channel will show the status of every ports, the parameters of GOIP Channel are specified as following:

- Channel Name: GOIP account ID and ports, such as gw01.02, gw01 is the goip account ID and 02 means the second port.
- Simslot: specify the simslots of the simpool.
- Status: shows the port status.
- Group: the group which it belongs to .
- CallDuration: specify the call duration.
- CallerNum: specify the caller ID.
- CalleeNum: specify the callee ID.
- ICCID: Integrate circuit card identity.
- IMSI: International Mobile Subscriber Identification Number.

SIM Center User Manual

2.3.1.1 Modify

The screenshot shows a web interface for 'Goip SLOT Management'. At the top, there is a navigation bar with a 'List' button. Below it, the location is 'Modify Goip SLOT'. A modal dialog titled 'Modify gw01.01' is open, featuring a 'SpecSlot' dropdown menu currently set to 'sp01'. Below the dropdown is a grid of radio buttons arranged in 5 rows and 8 columns, labeled from 001 to 040. A 'Submit' button is located at the bottom right of the dialog.

This is the fixed mode, gateway port can select the fixed port of simpool.

2.3.2 SIM Channel

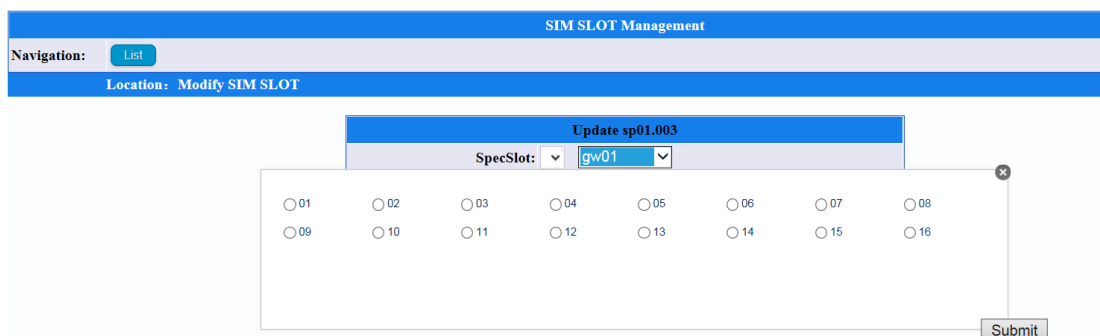
The screenshot displays the 'Sim Channel Management' interface. At the top, there are controls for 'Sim:' (a dropdown), 'BulkOperation' (a dropdown), and a checkbox for 'Select the current page'. The location is 'SIM SLOT', with 'Back' and 'Refresh' buttons. Below this, it states 'Now selected 0 Sim channel(s)'. The main part of the interface is a table with the following columns: Channel Name, GoipSlot, Status, Group, CallDuration, CallerNum, CalleeNum, ICCID, IMSI, and Operation. The table contains six rows of data:

	Channel Name	GoipSlot	Status	Group	CallDuration	CallerNum	CalleeNum	ICCID	IMSI	Operation
<input type="checkbox"/>	sp01.001		No Card	China						More >
<input type="checkbox"/>	sp01.002		No Card	China						More >
<input type="checkbox"/>	sp01.003		No Card	China						More >
<input type="checkbox"/>	sp01.004		No Card	China						More >
<input type="checkbox"/>	sp01.005		No Card	China						More >
<input type="checkbox"/>	sp01.006		No Card	China						More >

SIM Channel is similar to GOIP Channel, we will not describe them again.

SIM Center User Manual

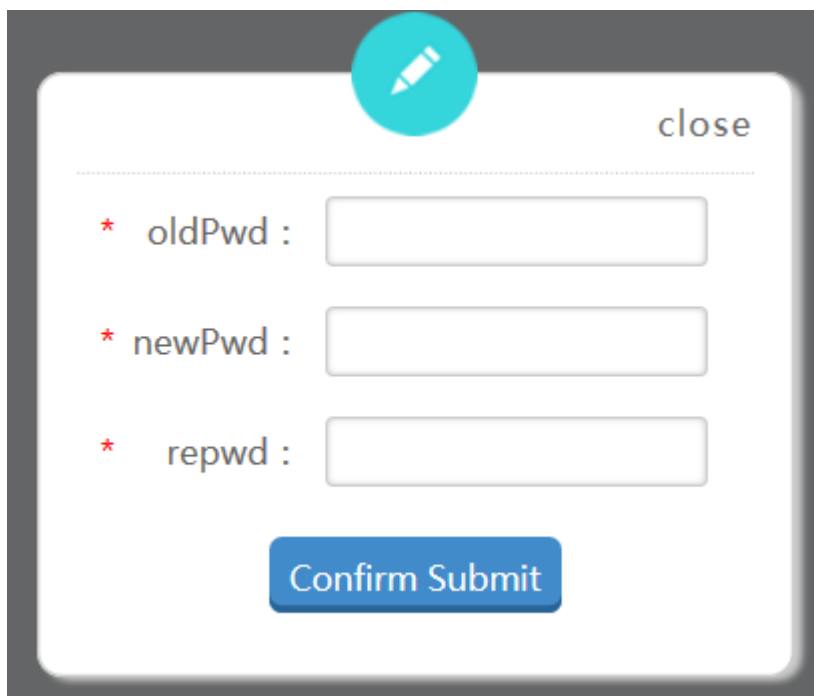
2.3.2.1 Modify



This is the fixed mode, simpool port can select the fixed port of gateway.

2.4 User Manage

2.4.1 Change Password

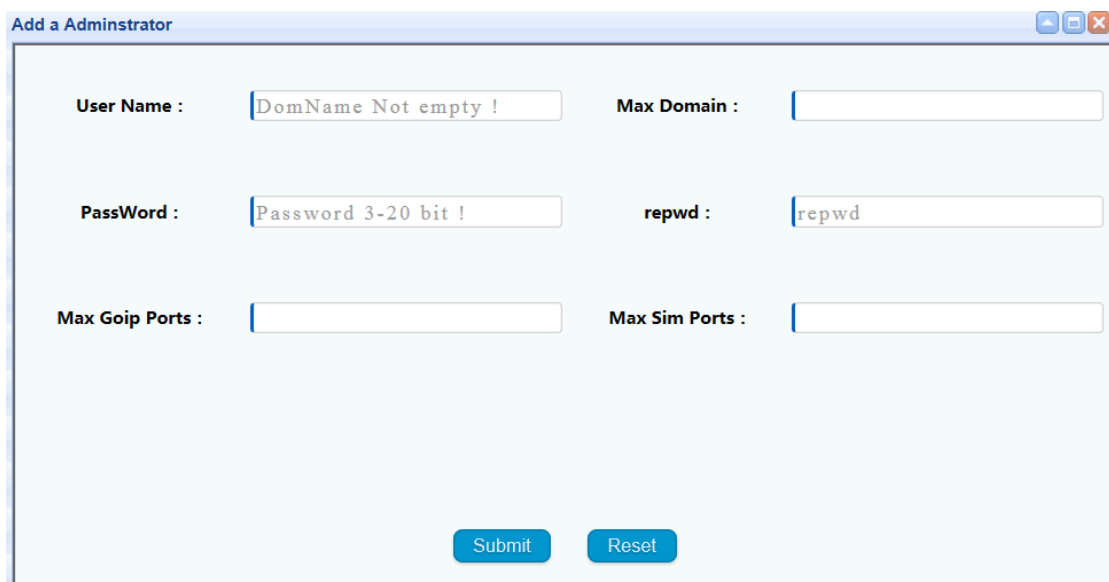


Change password in this page, we strongly recommend you change the default password.

SIM Center User Manual

2.4.2 Manage Users

In Sim Center, root is the super administrator, root can create user, simpool and goip. It should be noted here: if root create gw01 for goip, then the account for registration is gw01; if root create user “Chelson”, then this user create goip account gw01, then the account for registration is gw01.Chelson.



The screenshot shows a web form titled "Add a Administrator". The form contains the following fields and controls:

- User Name :** A text input field with a placeholder message "DomName Not empty !".
- Max Domain :** An empty text input field.
- PassWord :** A text input field with a placeholder message "Password 3-20 bit !".
- repwd :** A text input field containing the text "repwd".
- Max Goip Ports :** An empty text input field.
- Max Sim Ports :** An empty text input field.
- Submit** and **Reset** buttons are located at the bottom center of the form.

We can create a new user in this page.

SIM Center User Manual

3. GOIP and SIMPOOL settings

3.1 GOIP Settings

SIM Pool Settings

Basic Settings Collapse

SIM Poll:

Use Local Policy: * If enabled, the policy of page **Lock/Switch Card** will be used.

Registration: * If connect directly to a SIM pool device, disable the registration.

Server Address: * Add **":port"** to specify a special port.

Username:

Password:

Status: **Not Found**

Type the sim server IP, GOIP name and password. Save and reboot. If the GOIP registered on the sim center, it will show status OK.

SIM Center User Manual

3.2 SIM POOL settings

The screenshot displays the 'Basic Settings' configuration page for SIM Center. On the left is a sidebar with navigation buttons: Basic Settings (selected), Advanced Settings, System Settings, Debugging Tools, Running Status, and Save and Reboot. The main content area is titled 'Basic Settings' and contains two sections: 'WAN Settings' and 'Basic Settings'. The 'WAN Settings' section includes fields for WAN Type (Static IP), WAN IP (192.168.1.234), IP Mask (255.255.255.0), Default Gateway (192.168.1.1), and DNS Server (192.168.1.1), with Submit and Reset buttons. The 'Basic Settings' section includes fields for Registration (Enable), Server Address (203.186.75.167), Username (sp01.Chelson), Password (masked with dots), and Status. It also includes Submit and Reset buttons and two informational notes: '* When used as a SIM server, disable the registration.' and '* Add ":",port" to specify a special port.'

Type the sim server IP, simpool name and password. Save and reboot. If the GOIP registered on the sim center, it will show status OK.