YX-Simbank

User Manual

V2.1

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CONTENT

1. Introduction

Simbank128/256/512 is an equipment which can integrated storage SIM cards.The maximum capacity is 128/256/512.It can be perfectly with YX GOIP and MOIP series gateways.With SIM server, Simbank can easily communicate with gateways via IP network. In this way,we can manage the SIM cards remotely.

1.1 Special Features:

- 128/256/512 Channels Optional
- Web GUI:Firefox/Chrome/IE/Opera
- NAT Traversal and Firewall
- Hot Swap of SIM Cards without Powering Off
- QoS support
- Remote Manage of SIM Cards
- Multi-language Support:Chinese and English
- Dynamic Allocation of SIM Cards
- Protect SIM Cards from Blocking
- HTTP/TFTP Upgrade

1.2 Hardware Features

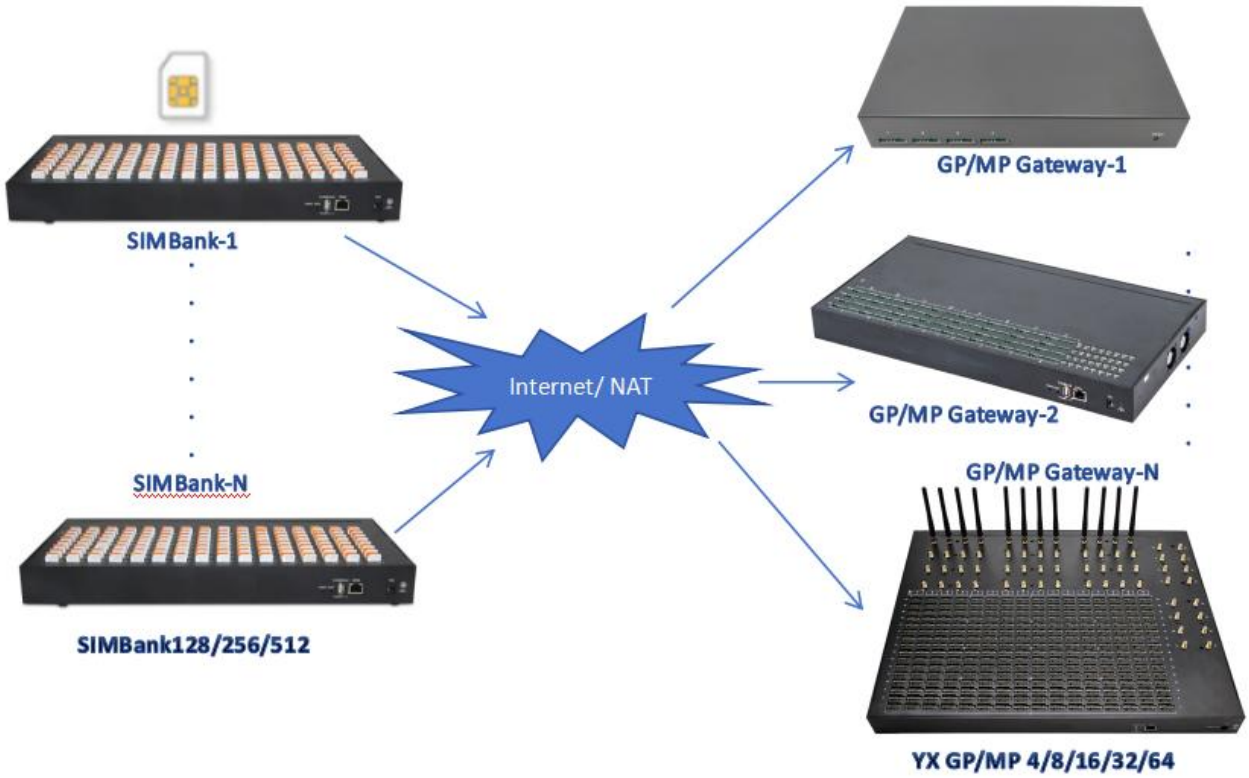
Model	Simbank128/256/512
Number of Sim	128/256/512
Network Protocols	DHCP/PPPoE/VPN(pptp) NTP Telnet/HTTP/FTP/TFTP
Number of Ports	1 WAN 10/100Base-T ethernet(RJ-45 connector) 1 Console(USB)
LEDs	1 Power and 128/256/512 grops of card online and running status indicator
Power Supply	100-240V AC, 50 - 60 Hz IN, 12V/3A OUT
Operating Environment	Operating temperature: 0 - 50ºC Operating humidity: 10 – 90%RH
Dimension (LxWxH)	530*305*90mm
Weight	4kg
Warranty	12Months

2. System configure

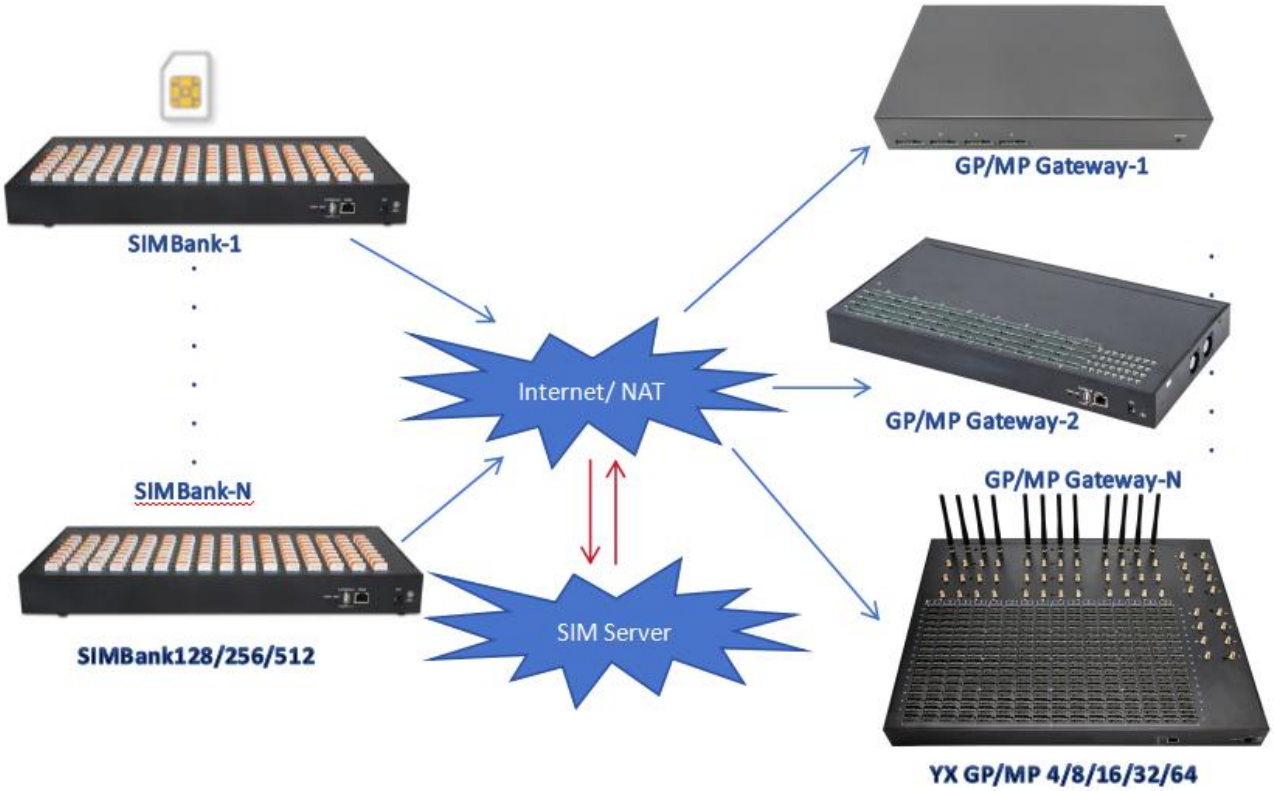
2.1 Working mode

Simbank has two working mode: one is point to point, in this way, Simbank communicate with gateway without server;The other mode is registration, and need a server support it .

2.1.1 Point to Point



2.1.2 registration(SIM Server)



2.2 Device Setup

When setup the device, please follow the steps below:

1.Power:Connect the small end of the power cable to the power input port on the Simbank back panel, and plug the other end of the cable into a 220V AC power outlet.

2.WAN:Connect the Ethernet cable with the Simbank wan port, the other side connect with the switch or router.

3.CONSLOE:USB port configuration

4.RESET:Press this button more than 7S

3. Login

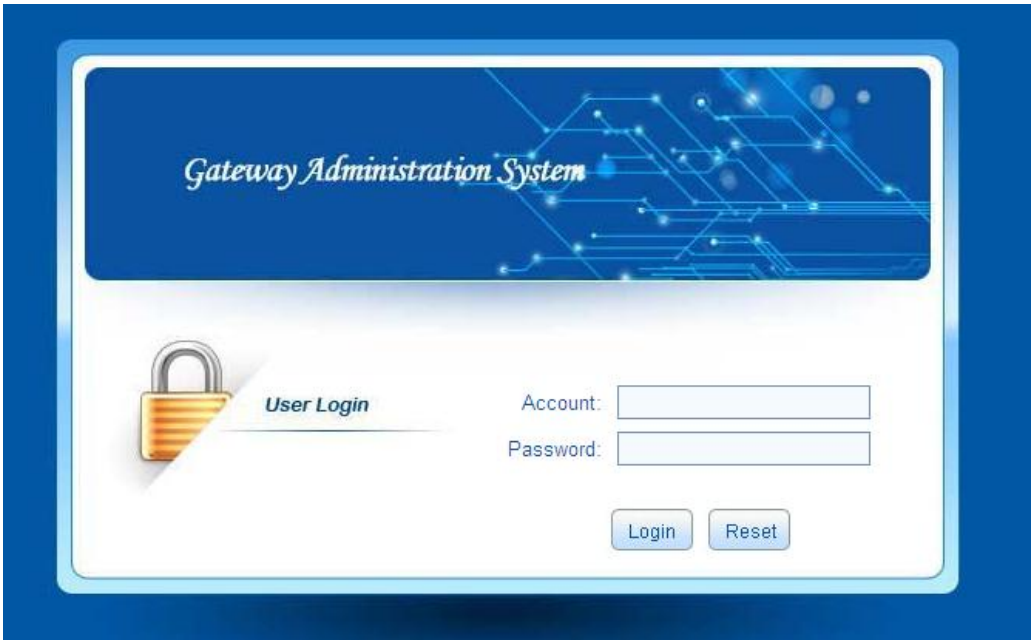
From the web browser,input the ip address of the Simbank.if this is the first time you are configuring Simbank,pls use the default settings(the pc should be in the same local network with Simbank):

The factory IP:DHCP

Reset ip:192.168.1.67

Username:root

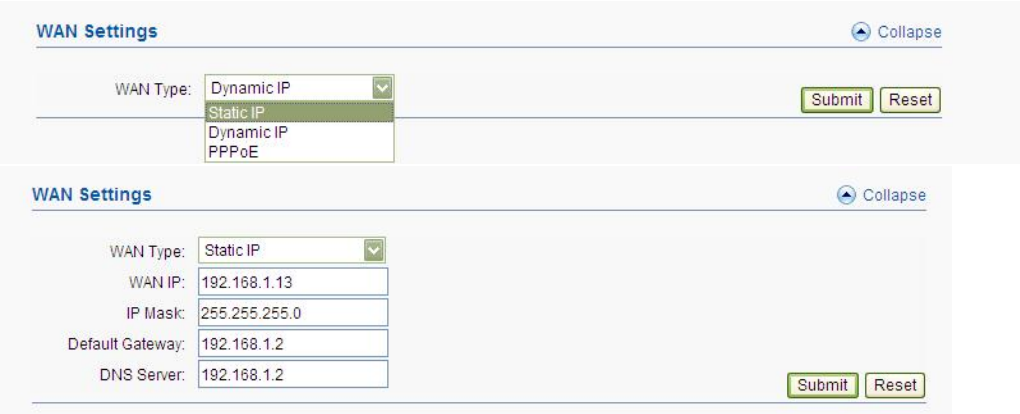
Password:root



4. Web Settings

4.1 Basic Settings

4.1.1 WAN Settings



Wan Settings Parameter Description：

Wan Type： wan type include static IP、 dynamic IP and PPPoE，the reset type is static ip.

IP Adress：specify the wan port ip address.

IP Mask：specify the ip mask.

Default Gateway：specify the default gateway.

DNS Server:specify the DNS server.

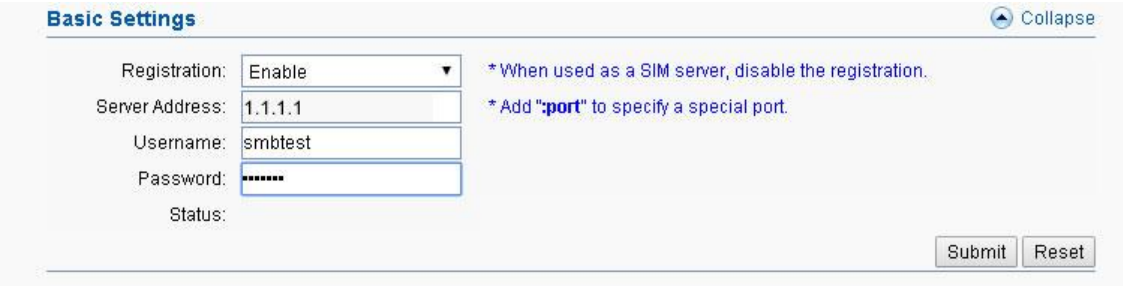
4.1.2 ESP Settings

ESP settings is for configuring Simbank with sim center.

Point to point mode：

In point to point mode, Simbank will communicate with gateway directly, it need disable the button of regisration

registration：



In registration mode,Simbank will register in sim server and communicate with gateway via sim server. We need enble the registration button. The parameters of esp settings are specified as following:

Server address：specify sim server ip address.

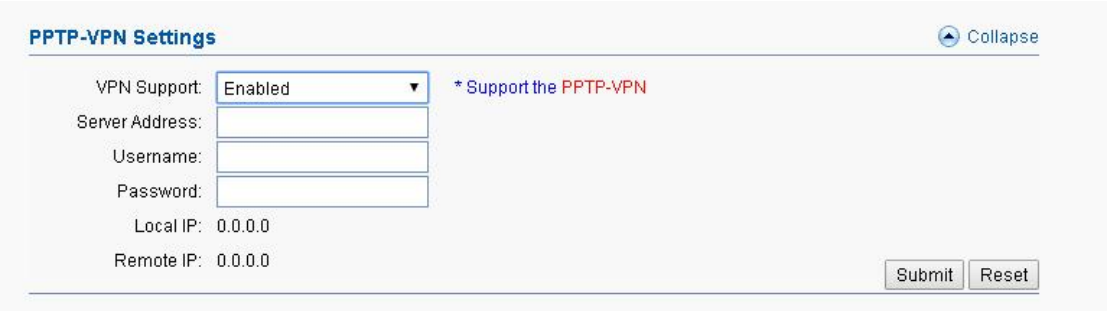
Username：the GOIP account which create in sim server.

Password：the password which match with the username.

Status： show the Simbank registration status, if register successfully, it will show OK.

4.2 Advanced settings

4.2.1 VPN settings



Fields are specified as following:

VPN support: whether support vpn or not.

Server address: specify the vpn server address.

Username:specify the username of vpn.

Password:specify the password of vpn.

Local IP: the vpn client ip.

Remote IP:the vpn server ip.

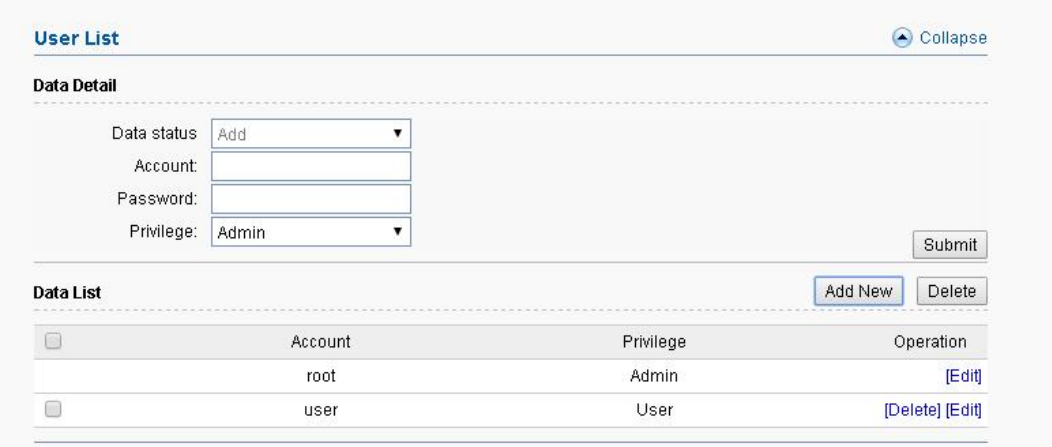
Web Port:The default port of web server is 80. The field Web Port is used to set another different port for web server. For example, if field Web Port is set to 8088 and wan IP is 192.168.1.10, the web pages then should be accessed through URL: http://192.168.1.10:8088/ from this computer.

Telnet Port:It is set the command operation of port from the computer

4.3 System Mgmt

4.3.1 User Mgmt

The screenshot below shows the operation mode to manage system user.User can modify password,permission,add or delete users and a series of operations here.



4.3.2 Device Mgmt

The screenshot below shows the operation mode to set basic Settings.

Fields are specified as following:

Device Alias: Specify the device alias.

Auto Reboot: Specify the auto reboot time.

Scheduled Reboot: Specify the scheduled reboot time.

The screenshot below shows the operation of date and time settings.

It default time zone is UTC+8, you can change the time zone as your country. For example, Pakistan is UTC+5, and change as +5. If your device is not touch with the internet and want to get accurate time, the time server will help.

The screenshot below shows the operation mode for remote Management.

Remote Management is used to manage the GoIP Gateways located in other physical locations. Network must be available for the gateway to communicate with ERM Server.

If ERM is enabled and correctly set, the GoIP will register to ERM server and set up the connection between itself and ERM server. Administrator can login ERM server and monitor all the registered GoIP Gateways. Commands can also be sent from ETMS server to certain gateway for management.

The configuration fields are specified as following:

Enable ERM: Specify whether enable ETMS registration or not. Option values are Enabled/Disabled.

ERM Server IP: Specify the ERM Server address.

ERM Server Port: Specify the ERM server port.

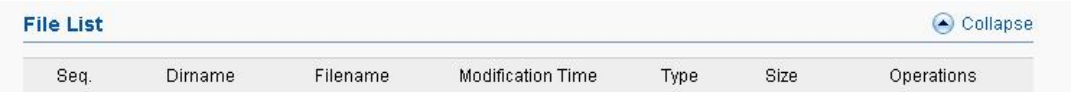
Account: Specify the account which create in the ERM.

Password: Specify the password which create in the ERM.

Staus: Specify the registration status.

4.3.3 File Management

The screenshot below shows file list. This is gdb file for checking the software bug.



Seq.: sequence of gdb file.

Filename: the name of gdb file.

Modification Time: the time of gdb file generate.

Type: Specify the type.

Operations: the operation of gdb, delete or export.

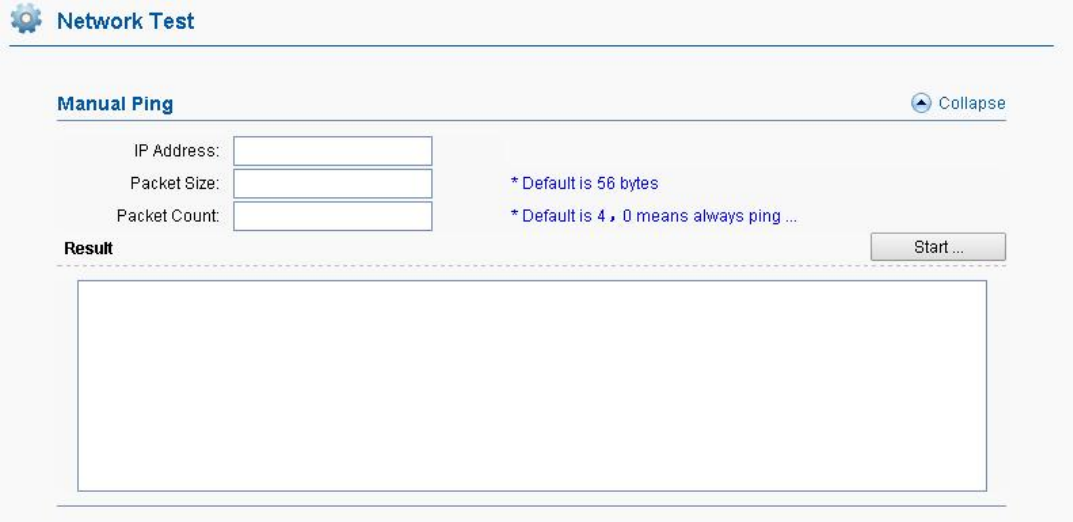
4.3.4 System Update

The screenshot below shows the operation mode for system update or restore

The user can update firmware,export,the configuration,restore system to factory settings according to requirements.

4.4 Debugging tools

4.4.1 Test Network



Fields are specified as following:

IP Address: Specify the ip address.

Packet Size: Specify the packet size.

Packet Count: Specify the packet count.

4.4.2 Log System

Log file:

Logfile count： specify the log file count.

Dying msg size： specify the dying message size.

GDB file count： specify the gdb file count.

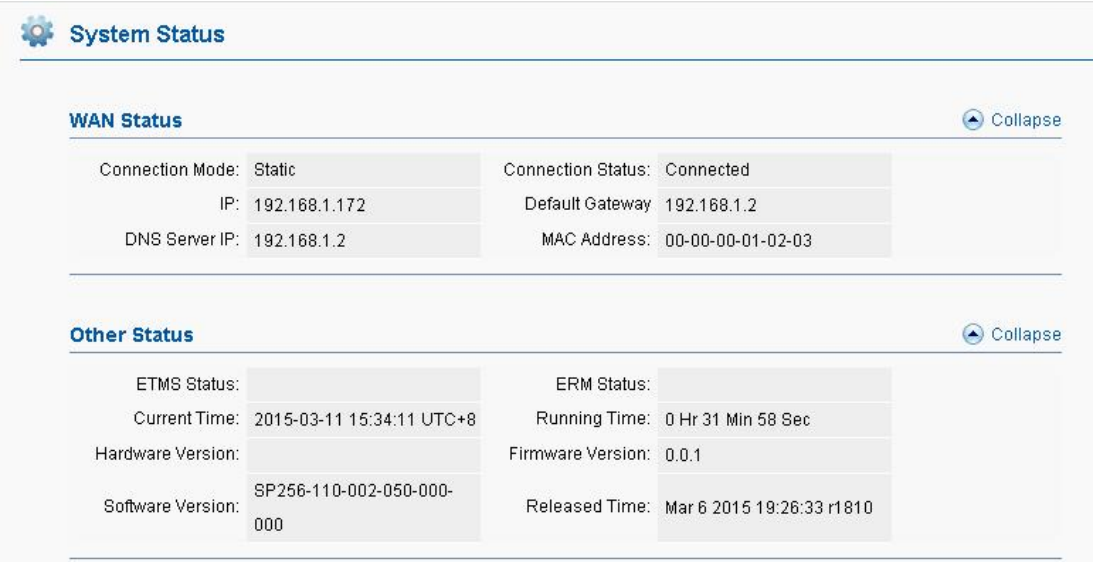
Log modules:

This is for debugging when need log files.

4.5 Running Status

4.5.1 System Status

The screenshot below shows the system status. It includes WAN status and others. The reported information can help you get the system status detail in a fast, simple way.



4.5.2 Call Status

The status columns are specified as following：

Port：the physical port sequence.

Module：the gateway port which bind with the Simbank.

Type：specify the wireless module type.

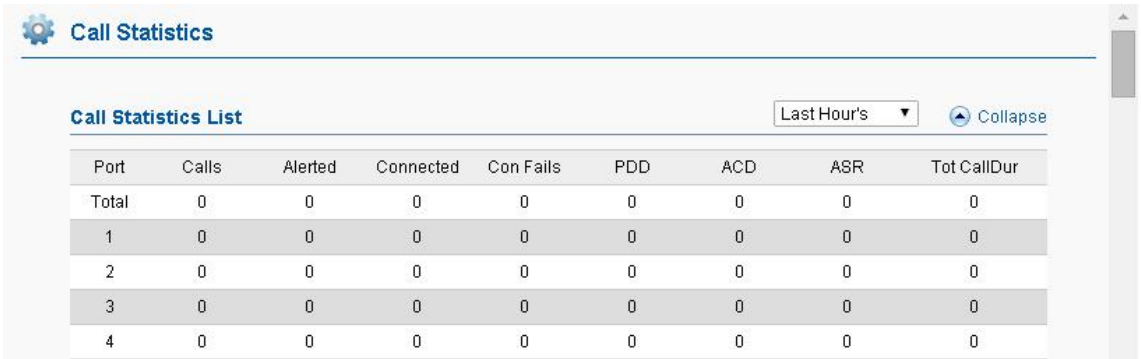
State：specify the call status.

Duration：specify the call duration

Balance：specify the current balance of the card.

Description: Specify the card status.

4.5.3 Call Statistics



The status columns are specified as following:

Port : The physical port sequence.

Calls: Specify the total calls made out from this port since the last start up of system.

Alerted: Specify the total number of responded alerting message for all the calls made.

Connected:

Specify the total number of answer from destination for all the calls made.

Consecutive Fails: Specify the consecutive fail calls.

PDD: Specify the average duration to receive the response of alerting message.

ACD：Specify the average duration of talking between caller and callee.

ASR：Specify the percentage of successful call for which there is a responded alerting messaged returned.

Tot calldur: specify total call duration.

4.6 Save and Reboot

Generally, any modification should require the reboot of Simbank to bring the modification into effect. However, single Save without Reboot is also frequently used to save the modifications which will be effective on next reboot of Simbank.

The screenshot above shows the operation buttons. Button Save is used to save all the modifications while button reboot is used to save modifications first and then reboot device immediately.

Monitor all SIM status