

Multi-SIM GSM Gateway Smart Web Manager



AddPac

AddPac Technology

2014, Sales and Marketing

www.addpac.com

Contents

- GSM Multi-SIM Service Features
- GSM Multi-SIM Module Panel LED Status
- GSM Multi-SIM Web Manager
 - Configure Rotation method using tariff-group
 - Configure Rotation method using rotation policy group
 - SIM Status Control
- GSM Multi-SIM Latest Balance
- GSM Multi-SIM Switching Log

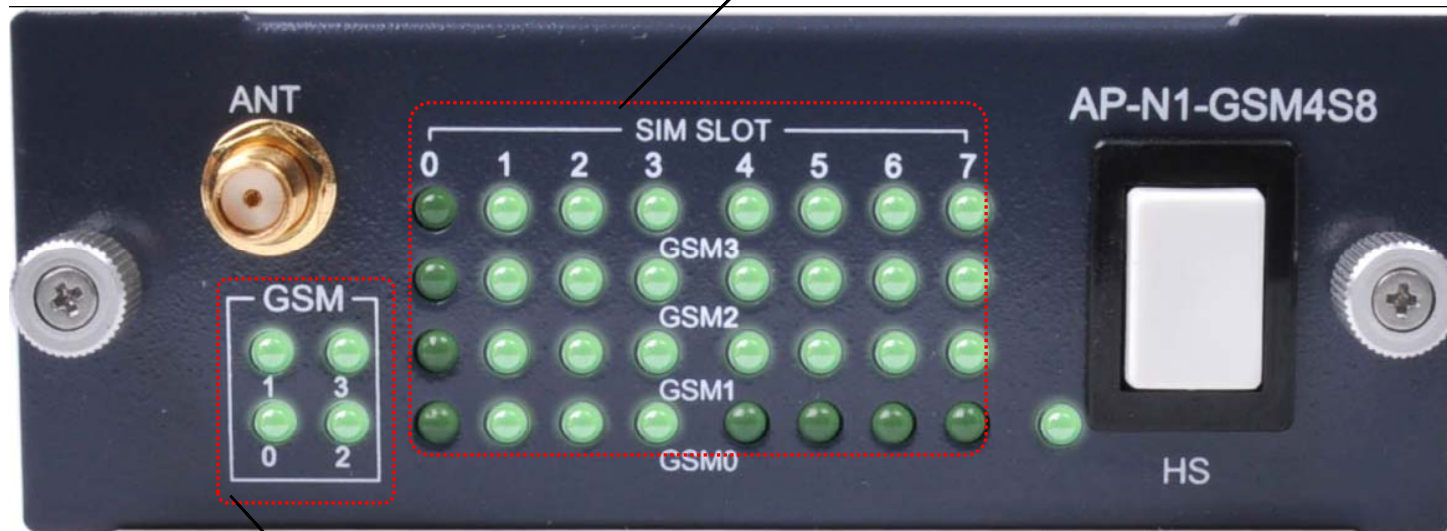
GSM Multi-SIM Service Features

- Support Various SIM Switching Algorithm
 - Period based
 - Call count based
- Support multi-mobile service provider by grouping.
- Support tariff based service by voice quota or number of calls
- Support call restriction by time interval
- Support automatic detection of the blocked SIM.
 - By CCF (Consecutive Call Fail)
 - By CSCD (Consecutive Short Call Duration)
- Support automatic isolation of the blocked SIM.
- Support manual SIM blocking.
- Support automatic Balance Query before SIM Switching.
- Support SIM switching log & balance query log.

GSM Multi-SIM Module Panel LED Status

GSM SIM Status

- Active SIM (Green Blink)
- Idle SIM (Green ON)
- No SIM (Green OFF)



GSM Module Ready

- Ready (Green ON), not-Ready (Green OFF)

GSM Multi-SIM Manager (1/3)

- Configure Rotation method using tariff-group.

Smart Web Manager
www.addpac.com

System +
Basic +
Advanced +
Miscellaneous +
LCR -
• Black & White List
• Time Interval
• **Tariff Group**
• LCR Test
SMS -
• SMS Inbox
• SMS SentBox
• SMS New Message
• SMS Failed Box
• SMS Delivery

Mobile LCR / Tariff Group

Tariff Group

Group	Time Group	Voice Limit Type	Restore Call Limit		Accounting Period(voice)		Free Quota		Control
			Type	RestoreDay	First(sec)	Others(sec)	Voice(min/count)	SMS(E.A.)	
0	0	time based	none	0	60	30	2	2	<input type="checkbox"/>

0 | 0 | time based | daily | 0 | | | | | Add

Create new tariff group for multi-SIMs' rotation - support time and count based rotation policy

Over Quota Notify

Voice Subject

SMS PhoneNumber

Show voice & SMS quota & utilization

After recharging SIM, manual reset required.

Port	Tariff Group	Usage		Reset
		Voice(sec/count : %)	SMS(count : %)	
P1:0(4)		60/n.a (0%)	0/n.a (0%)	<input type="checkbox"/>
		60/n.a (0%)	0/n.a (0%)	<input type="checkbox"/>
		60/n.a (0%)	0/n.a (0%)	<input type="checkbox"/>
		60/n.a (0%)	0/n.a (0%)	<input type="checkbox"/>

GSM Multi-SIM Manager (2/3)

- Configure Rotation method using rotation policy group.

Smart Web Manager
www.addpac.com

Muti SIM Port Management

mSIM Rotation Policy Group

Support auto SIM blocking
- consecutive call fail condition
- consecutive short call duration

Group	Policy	Tariff Group	Period (30~3600 mins)	Auto Switch Threshold		Control
				CCF (count)	CSCD (count / sec)	
0	none	n.a.	n.a.	5	2 / 10	<input type="checkbox"/>

Create new rotation policy group for multi-SIMs' rotation
- support period based SIM rotation
- count & time based rotation is supported by tariff-group

* CCF(Consecutive Call Fails) * CSCD(Consecutive Short Call Duration)
 * operational status : idle(I) active(A)
 * equipment status : (E) - block status

<input type="checkbox"/>	Port	SIM Bank(U-4)	Rotation Group	Rotation Policy	CCF	CSCD	Remains.
<input type="checkbox"/>	(E)	0	0	0	0		
<input type="checkbox"/>	P1:0	(O)	0	Q	F	I	0
			<input type="text" value="0"/>	no policy	0	0	--

GSM Multi-SIM Manager (3/3)

– SIM Status Control.

Smart Web Manager
www.addpac.com

System +

Basic +

Advanced -

- Port Control
- Mobile PINs
- Mobile USSD
- mSIM Manager**
- mSIM Balance
- Fax
- Service
- Filtering
- Security
- Radius
- SNMP
- WEB Callback
- Mobile Callback

Miscellaneous -

- Mobile Summary
- Port & Call Status
- System Status
- Mobile Status

Mutli SIM Port Management

mSIM Rotation Policy Group

Group	Policy	Tariff Group	Period (30~3600 mins)	Auto Switch Threshold		Control
				CCF (count)	CSCD (count / sec)	
				5	2 / 10	<input type="checkbox"/>

Equipment status
- Equipment(O) Non-Equipment(X)

Operational status
- Active(O) Idle(I) Over-Quota(Q) Over-Period(P) CCF(F) CSCD(S)
- 'Q', 'F' and 'S' need manual reset.

Manual blocking status

Rotation group is mapped to the port.

Show accumulated count
- consecutive call fail count
- consecutive short call duration

Show remains for next switching

Port	SIM Bank(0-4)	Rotation Group	Rotation Policy	CCF	CSCD	Remains.
P1:0	(E) 0 0 0 0	0	no policy	0	0	--
	(O) 0 Q F I					
	(B) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
	(E) 0 0 0 0					
P1:1	(O) 0 I I I	none	no policy	0	0	--
	(B) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
	(E) 0 0 0 0					
	(E) 0 0 0 0					

Apply

Reset Quota

Reset CCF

Reset CSCD

After Checking Ports, reset operational status to 'Idle'.

AddPac
www.addpac.com

GSM Multi-SIM Latest Balance

Smart Web Manager
www.addpac.com

- System +
- Basic +
- Advanced -
 - Port Control
 - Mobile PINs
 - Mobile USSD
 - mSIM Manager
 - mSIM Balance**
 - Fax
 - Service
 - Filtering
 - Security
 - Radius
 - SNMP
 - WEB Callback
 - Mobile Callback
- Miscellaneous -
 - Port & Call Status
 - System Status
 - Mobile Status
 - Mobile Call Statistics
 - Call Log
 - System Log
 - Ping

Latest Balance for Multi-SIM port

Latest Balance
 - Update Balance before SIM switching.

Port	SIM Number	Switching Mode	Balance Reply	Last Reply Date
P8:0	0	Period: 1 min	Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,	2012/10/09 20:21:18
	1		activated channel	
	2		Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,	2012/10/09 20:21:18
	3		Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,	2012/10/09 20:21:18
P8:1	0	Period: 1 min	Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,	2012/10/09 20:21:18
	1		activated channel	
	2		Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,	2012/10/09 20:21:18
	3		Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,	2012/10/09 20:21:18
P8:2	0	None		
	1			
	2		not yet updated	
	3		not yet updated	
P8:3	0	None	activated channel	
	1		not yet updated	
	2		not yet updated	
	3		not yet updated	

Active SIM' Balance can be queried at 'Mobile USSD' WEB.
 - Update Balance before SIM switching.

* Balance Feature Code MUST be set.
 * Switching Mode MUST be set to "Period-Based" or "Call-Counter-Based".
 * Balance is queried before SIM-switching.

GSM Multi-SIM Switching Log

Smart Web Manager
www.addpac.com

System +

Basic +

Advanced +

Miscellaneous -

- Port & Call Status
- System Status
- Mobile Status
- Mobile Call Statistics
- Call Log
- System Log
- Ping
- Mobile Band
- BTS Selection
- GSM BTS Info
- Mobile BS Info
- **mSIM Switch Log**

LCR -

- Black & White List
- Time Interval
- Tariff Group
- LCR Test

Multi SIM Switch Log

Multi SIM Switching log

- Switching Event
- Balance Query Event
- Up to 512

Port	Content & Date
P8:1	SIM is changed from(1) to(2) 2012/10/09 20:32:19
P8:0	SIM is changed from(1) to(2) 2012/10/09 20:32:19
P8:1/1	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:32:18
P8:0/1	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:32:18
P8:1	SIM is changed from(3) to(1) 2012/10/09 20:31:13
P8:0	SIM is changed from(3) to(1) 2012/10/09 20:31:13
P8:1/3	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:31:12
P8:0/3	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:31:12
P8:1	SIM is changed from(2) to(3) 2012/10/09 20:30:07
P8:0	SIM is changed from(2) to(3) 2012/10/09 20:30:07
P8:1/2	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:30:06
P8:0/2	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:30:06
P8:1	SIM is changed from(1) to(2) 2012/10/09 20:29:01
P8:0	SIM is changed from(1) to(2) 2012/10/09 20:29:01
P8:1/1	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:29:00
P8:0/1	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:29:00
P8:1	SIM is changed from(3) to(1) 2012/10/09 20:27:55
P8:0	SIM is changed from(3) to(1) 2012/10/09 20:27:55
P8:1/3	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:27:54
P8:0/3	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:27:54
P8:1	SIM is changed from(2) to(3) 2012/10/09 20:26:49
P8:0	SIM is changed from(2) to(3) 2012/10/09 20:26:49
P8:1/2	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:26:48
P8:0/2	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:26:48
P8:1	SIM is changed from(1) to(2) 2012/10/09 20:25:43
P8:0	SIM is changed from(1) to(2) 2012/10/09 20:25:43
P8:1/1	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:25:42
P8:0/1	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:25:42
P8:1	SIM is changed from(3) to(1) 2012/10/09 20:24:37
P8:0	SIM is changed from(3) to(1) 2012/10/09 20:24:37
P8:1/3	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:24:36
P8:0/3	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:24:36
P8:1	SIM is changed from(2) to(3) 2012/10/09 20:23:31
P8:0	SIM is changed from(2) to(3) 2012/10/09 20:23:31
P8:1/2	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:23:30
P8:0/2	[Balance:926.3 BDT Exp:01-01-00,Bought Minutes:0.00 Exp:01-01-70,Bonus(Mins:0.00,SMS:0.)] 2012/10/09 20:23:30

GSM Gateway Series

Thank you!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com