



AP-GS716™

16-Port GSM VoIP Gateway

High Performance GSM VoIP Gateway Solution

New Service Features



AddPac

AddPac Technology

2014, Sales and Marketing

www.addpac.com

Contents

- Renew the Main Window
- Mobile Statistics Display using Graph Chart
- Mobile Auto Call Generator for Human Behavior Modeling
- IMEI Auto Change Service
- IP Sharing Service for GSM Gateway Cascading



Renew the Main Window

AP-GS716 16-Port GSM VoIP Gateway

Smart Web Manager
www.addpac.com

- System**
- Language
 - WAN Setup
 - LAN Setup
 - NAT
 - NTP
 - System Time
 - File Browser

- Basic**
- Protocol
 - Server SIP
 - Server H.323
 - E1/T1 Trunk
 - FXO Extension
 - Mobile Extension
 - E1/T1 Extension
 - DTMF/CODEC
 - VoIP Dial Plan
 - FXO DialPlan
 - Mobile Dial Plan
 - Static Route
 - Hot Line
 - ANI Route

- Advanced**
- Port Control
 - Mobile PINs
 - Mobile USSD

System Information

Network Information	Static 172.16.9.16
WAN LINK Status	100Mbps FULL Duplex Link UP
LAN LINK Status	Link Down
Voice Interface Module	G(8) : G(8)
VoIP Protocol	SIP
Registration Status	Unregistered
Total Calls	1

Show Brief System Information

- Network & IP
- Voice Interface
- VoIP Protocol Status
- Active Calls

Port Status

SLOT	Port	Port Group							
		0(GSM)	1(GSM)	2(GSM)	3(GSM)	4(GSM)	5(GSM)	6(GSM)	7(GSM)
SLOT 0	Port	0(GSM)	1(GSM)	2(GSM)	3(GSM)	4(GSM)	5(GSM)	6(GSM)	7(GSM)
	Status	C	I	I	I	I	I	I	I
	Select	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SLOT 1	Port	0(GSM)	1(GSM)	2(GSM)	3(GSM)	4(GSM)	5(GSM)	6(GSM)	7(GSM)
	Status	I	I	I	I	I	I	I	I
	Select	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Port Status

- Port Type (FXS, GSM ...)
- Usage Status
- Administration Status

Unblock Block

Connection State : (Connected) (Disconnected || Blocked)
 Call State : (Idle) (Ring || Dial) (Called) (Calling) (Blocked)

Call State

Port	Direction	Duration	Calling Number	Called Number	CODEC	Src/Dest. IP
0/0	GSM Out	0	1000	2000	g723-63	172.16.9.22

Active Call Information

- Occupied Port
- Call Duration
- Calling & Called Number
- Codec & IP Address

Mobile Statistics Display using Graph Chart

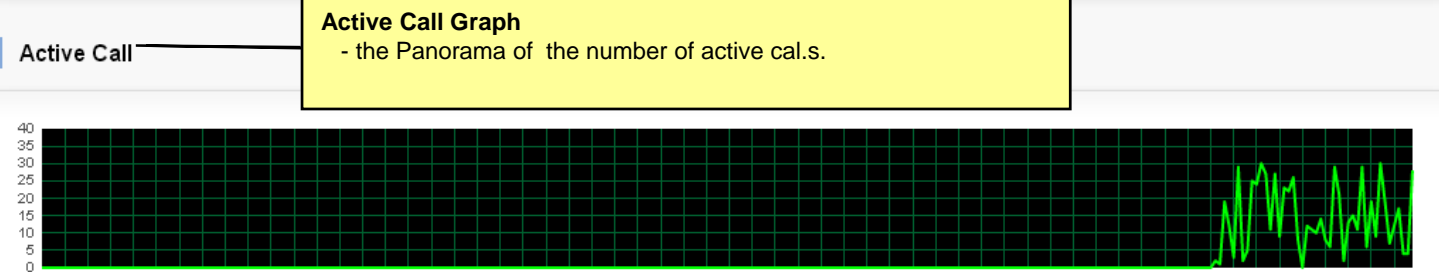
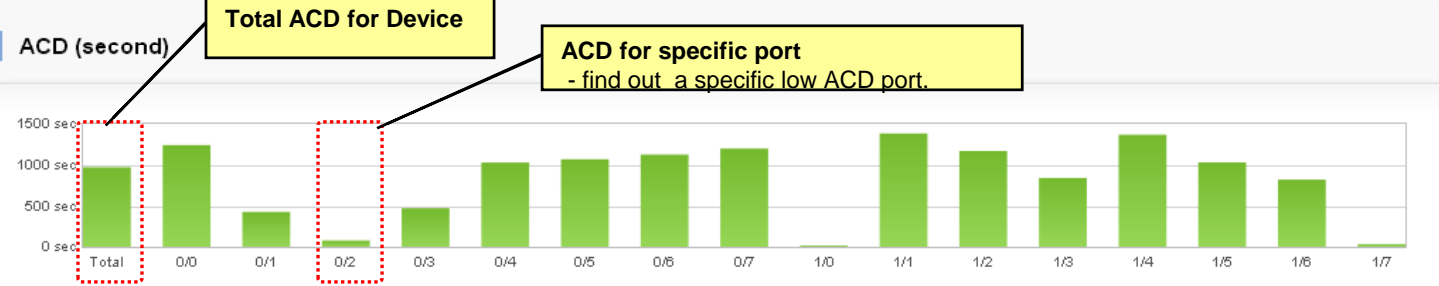
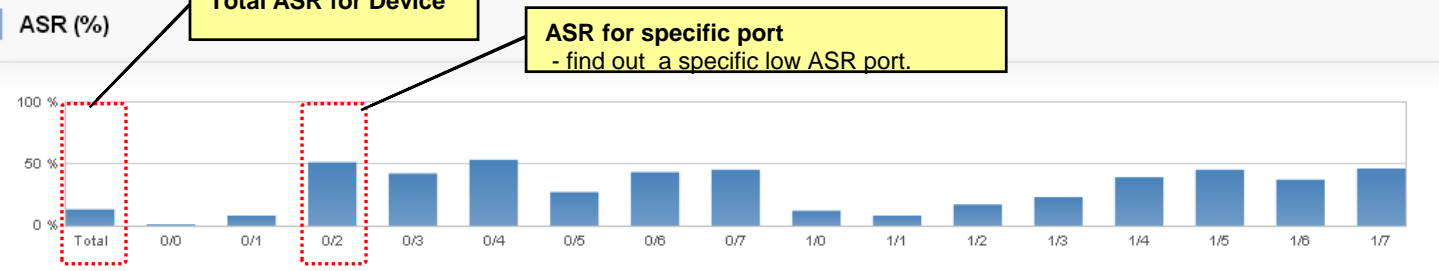
AP-GS716 16-Port GSM VoIP Gateway

- System +
- Basic +
- Advanced +
- Miscellaneous -
 - Mobile Summary
 - **Mobile Chart**
 - System Status
 - Mobile Status
 - Mobile Port Statistics
 - Call Log
 - System Log
 - Ping
 - Mobile Band
 - BTS Selection
 - GSM BTS Info
 - Mobile BS Info
 - Mobile Call Generator
- LCR -
 - Black & White List
 - Time Interval
 - Tariff Policy
 - LCR Test
- SMS -
 - SMS Inbox
 - SMS SentBox
 - SMS New Message
 - SMS Failed Box
 - SMS Delivery

Welcome to AddPac GSM Gateway

Gateway's statistics

- * Active Calls : 0
- * ASR : 100 %
- * ACD : 34 sec



Auto Call Generator for Human Behavior Modeling

AP-GS716 16-Port GSM VoIP Gateway

Smart Web Manager
www.addpac.com

Mobile Call Generator
- for generation of the mobile inbound call

Outbound Policy
- period-based, call-count -based
- inbound port is selected by the least hunted algorithm

Outbound Policy

Period-Based 1800 (sec)
 Call-Count-Based 20 (calls)

Inbound Call Mode
- ignore, reject, dial-tone play

Reject
 Ignore
 Dial-Tone-Play

Time Interval
- set mobile call generation's time interval (refer 'LCR -> time interval')

0 (Using LCR -> Time Interval)

Announcement Play
- play the announcement when test call is connected.

(After Call Connected)

Announcement play option
- play the announcement when test call is connected.

USSD Code for getting my phone number
- specific USSD code for automatically getting the phone number .

USSD Code for getting my phone number

Carrier ID	USSD String	Control
SKT	#88888	Delete
<input type="text"/>	<input type="text"/>	Add

IMEI Change

AP-GS716 16-Port GSM VoIP Gateway

Smart Web Manager
www.addpac.com

System +

Basic +

Advanced -

- Port Control
- Mobile PINs
- Mobile USSD
- Fax
- Service
- Filtering
- Security
- Radius
- SNMP
- WEB Callback
- Mobile Callback

Miscellaneous -

- Mobile Summary
- Mobile Chart
- System Status
- Mobile Status
- Mobile Port Statistics
- Call Log
- System Log
- Ping
- Mobile Band
- BTS Selection
- GSM BTS Info
- Mobile BS Info

IMEI

IMEI Auto Change Period : (min, 0 : disable, 20 ~ 3600)

Select	Port	IMEI	Changeable Count
<input type="radio"/>	P:0/0	358945040199634	no limit
<input type="radio"/>	P:0/1	358945040199568	no limit
<input type="radio"/>	P:0/2	358945040203592	no limit
<input type="radio"/>	P:0/3	358945040167862	no limit
<input type="radio"/>	P:0/4	358945040189718	no limit
<input type="radio"/>	P:0/5	358945040180758	no limit
<input type="radio"/>	P:0/6	358945040177200	no limit
<input type="radio"/>	P:0/7	358945040204467	no limit
<input type="radio"/>	P:1/0	358945040173175	no limit
<input type="radio"/>	P:1/1	358945040181319	no limit
<input type="radio"/>	P:1/2	358945040169579	no limit
<input type="radio"/>	P:1/3	358945040167680	no limit
<input type="radio"/>	P:1/4	358945040167631	no limit
<input type="radio"/>	P:1/5		
<input type="radio"/>	P:1/6		
<input type="radio"/>	P:1/7	358945040173209	no limit

IMEI :


Auto IMEI Change
- by period

Manual IMEI Change
- by manual IMEI input.

* It will take about 30 seconds.

* Auto change function is effected only in case changeable count value is "no limit".

www.addpac.com



IP Sharing Service for GSM Gateway Cascading

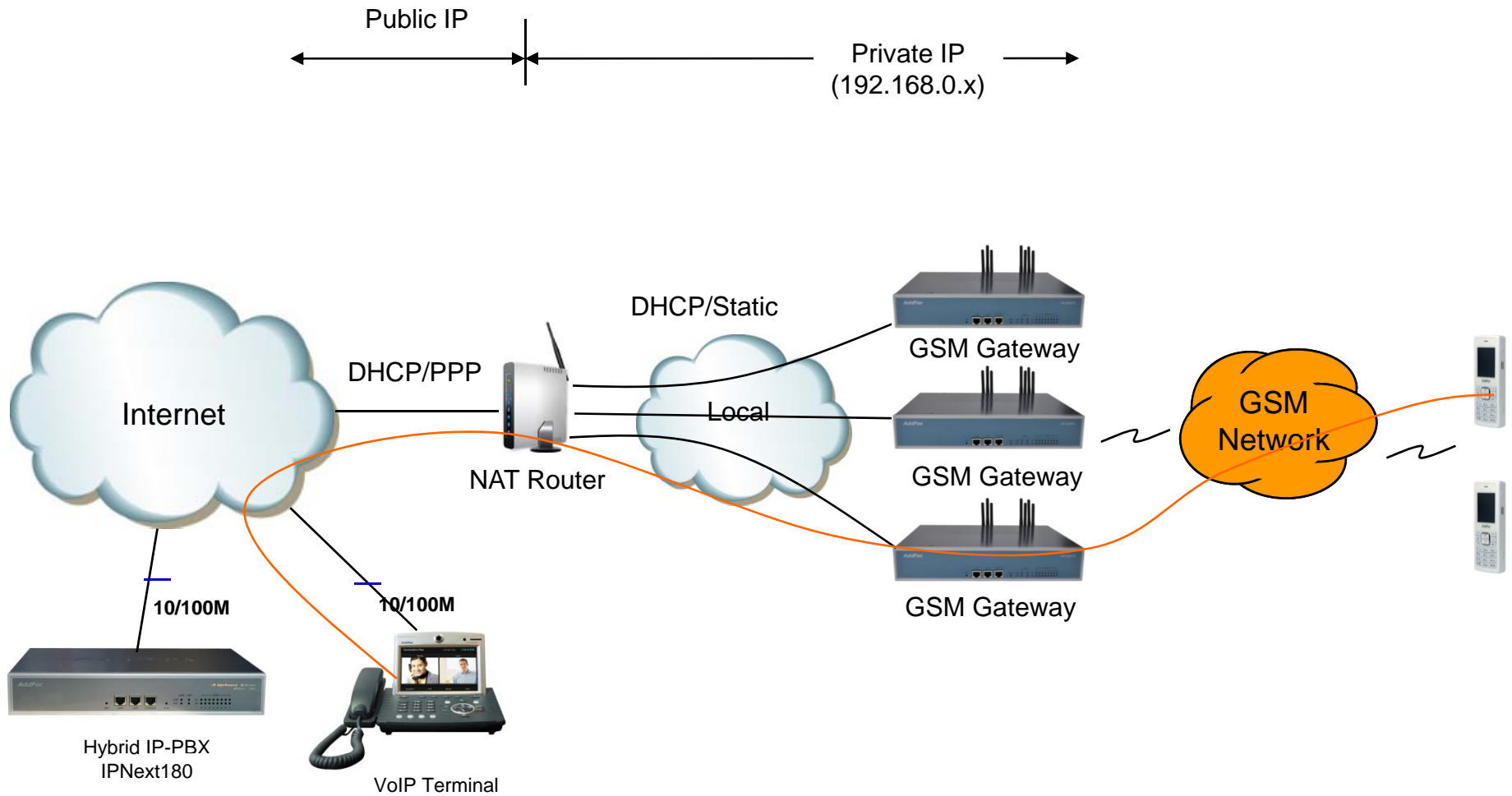
GSM Gateway IP Share

AP-GS716 16-Port GSM VoIP Gateway

- With NAT Model
 - NAT Router is Public IP Address
 - GSM Gateway is Private Address
 - SIP Signaling Port is 5060
 - NAT Router is default router
- With IP-Share Model
 - No Need NAT Router
 - All GSM Gateway is Public IP Address
 - Each GSM Gateway has different SIP Signaling Port
 - NAT Router is connected with FastEthernet0/1 via DHCP(optional)
 - Use IP-Connect mode for NAT router (TWIN IP, Public IP Relay)

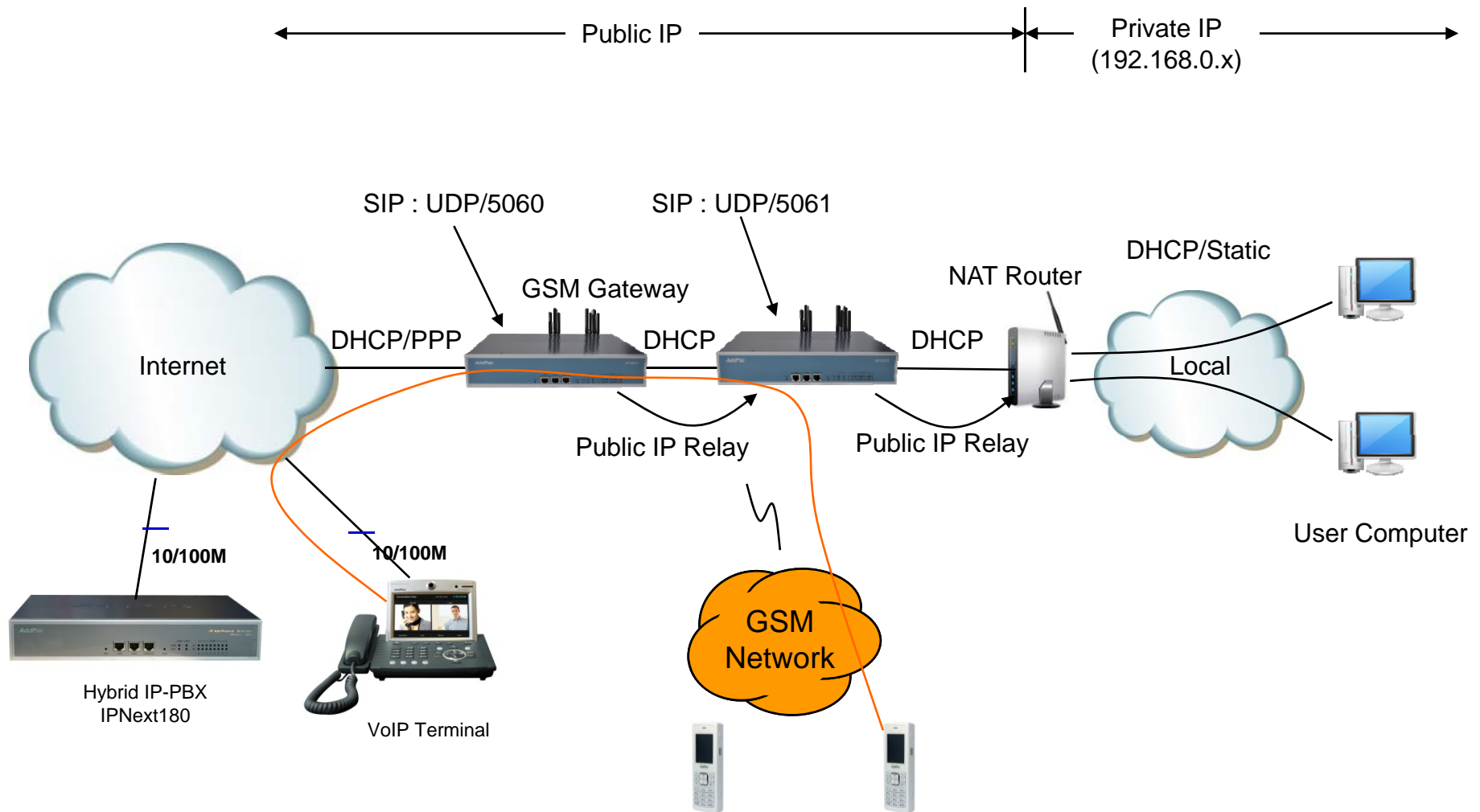
NAT Model

AP-GS716 16-Port GSM VoIP Gateway



IP-Share Model

AP-GS716 16-Port GSM VoIP Gateway



IP-Share Model CLI (Static IP Mode)

AP-GS716 16-Port GSM VoIP Gateway

```
!  
! Set Public Address at FastEthernet0/0  
interface FastEthernet0/0  
ip address 60.32.11.15 255.255.0.0  
speed auto  
!  
! No ip address at FastEthernet0/1  
interface FastEthernet0/1  
no ip address  
speed auto  
!  
! Set Default Router  
ip route 0.0.0.0 0.0.0.0 60.32.11.1  
!  
! Enable IP-Share  
ip connect default inside FastEthernet0/1 outside FastEthernet0/0  
!
```

IP-Share Model CLI (DHCP Mode)

AP-GS716 16-Port GSM VoIP Gateway

! Set Public Address at FastEthernet0/0 (via DHCP)

```
interface FastEthernet0/0
```

```
ip address DHCP
```

```
speed auto
```

!

! No ip address at FastEthernet0/1

```
interface FastEthernet0/1
```

```
no ip address
```

```
speed auto
```

!

! Setup DHCP Server Configuration

```
ip dhcp pool default
```

```
network FastEthernet0/1
```

```
range FastEthernet0/0
```

```
subnet-mask 255.255.255.0
```

!

! Enable IP-Share

```
ip connect default inside FastEthernet0/1 outside FastEthernet0/0
```

!

! Enable DHCP Server

GSM VoIP 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