Smart Web Manager
for SS7 VoIP Gateways

AddPac Technology
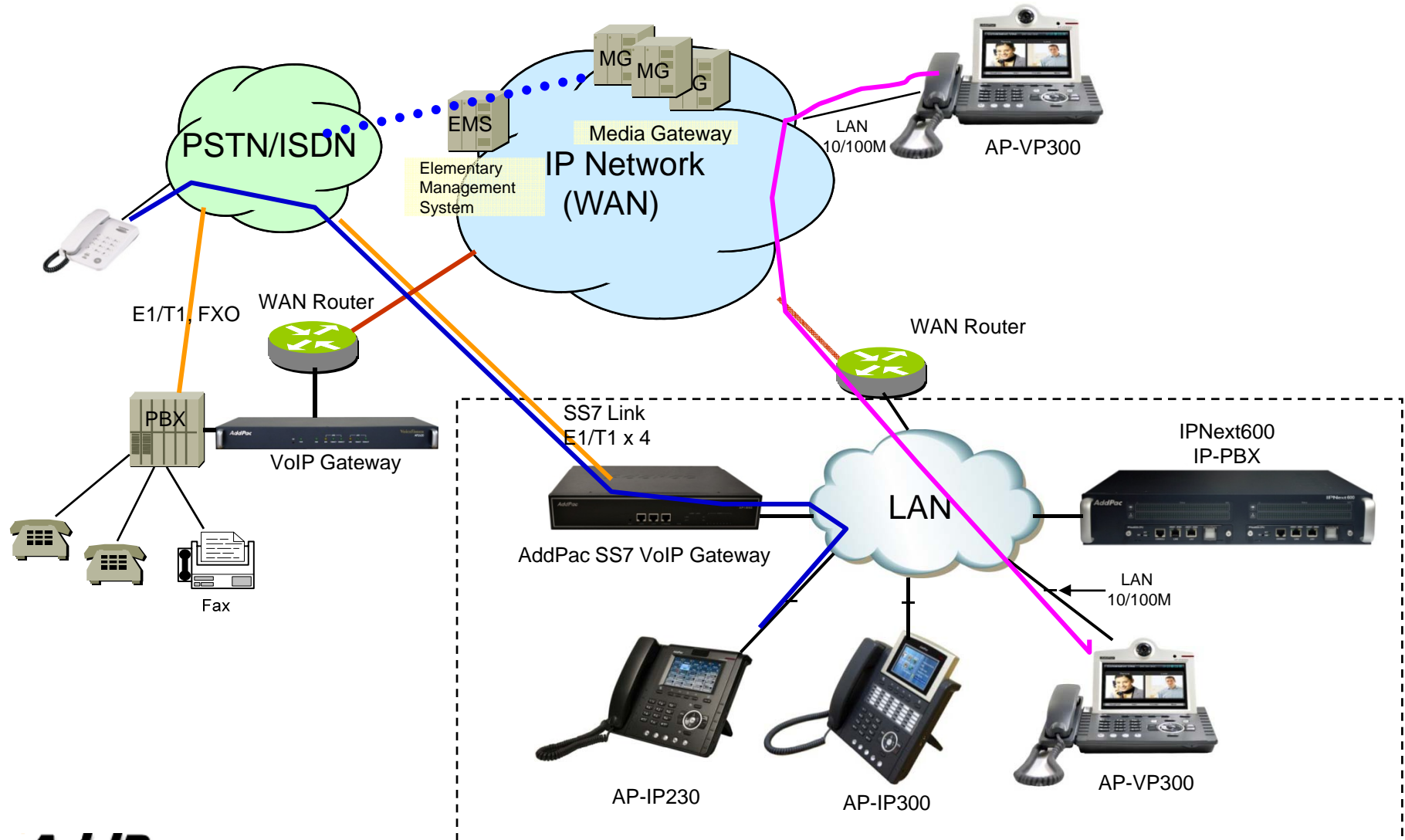
2013, Sales and Marketing

Contents

- SS7 VoIP Gateway Service Diagram
- SS7 VoIP Gateway Main Features
- SS7 VoIP Gateway Features
- SS7 Protocol Standard & Stack
- Smart Web Manager for SS7 Signaling Part
- Smart Web Manager Overview for VoIP Gateway

SS7 VoIP Gateway Service Diagram

PSTN/ISDN

MG MG G

EMS

Media Gateway

Elementary Management System

IP Network (WAN)

LAN 10/100M

AP-VP300

E1/T1, FXO

WAN Router

WAN Router

PBX

VoIP Gateway

SS7 Link E1/T1 x 4

IPNext600 IP-PBX

AddPac SS7 VoIP Gateway

LAN

LAN 10/100M

Fax

AP-IP230

AP-IP300

AP-VP300

AddPac

SS7 VoIP Gateway Main Features

- Support SS7 to SIP/H.323 signaling interconnect and TDM Voice/Data conversion to industry-standard VoIP codecs.

  (No need to buy additional 3rd-party media-gateway)

- Support SS7 to PSTN interconnect.

- Support SS7 to ISDN or R2 interconnect.

- Support multiple SS7 variants(ANSI, ITU-T).

- Support multiple interface formats(E1, T1).
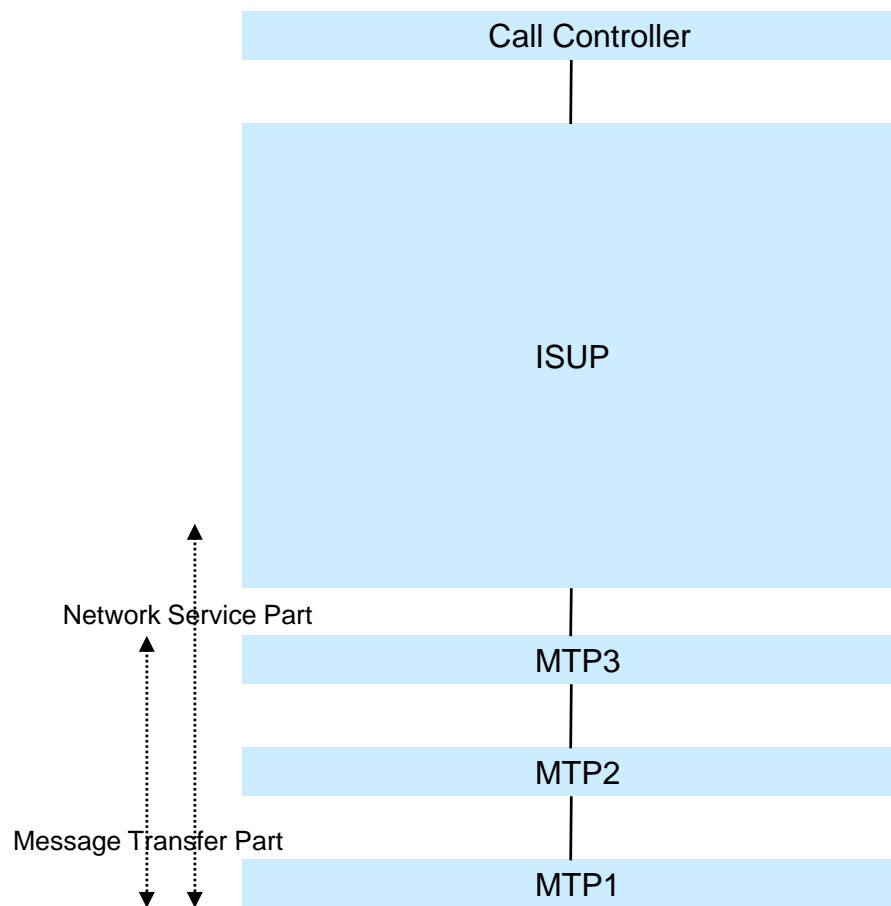
AddPac

SS7 VoIP Gateway Feature

- Support Multiple E1 / T1 Interface
- Support Incoming and Outgoing Calls
- MTP2 (Q.703) / MTP3 (Q.704) / ISUP (Q.76x)
- SS7 A/F Link Support
- Support multiple linksets with different Point Code
- Support links with multiple links for load balance and failover
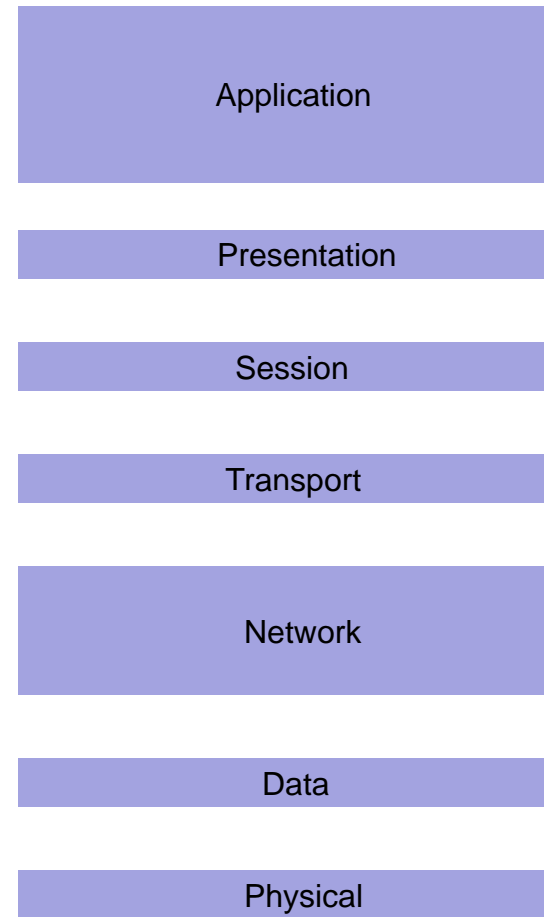- Variant : ANSI, ITU-T, Japan(*), China(*)

AddPac

SS7 Signaling Standard

- ## MTP Level 2
  - Q.702 Signaling data link, Q.703 Signaling link
  - Q.781 MTP level 2 Test Specification (ITU-T)
  - T1.111 SS7 MTP (ANSI 1988/1992)

- ## MTP Level 3
  - Q.704 Signaling network function and message (ITU-T)
  - Q.707 Testing and Maintenance
  - Q.782 MTP level 3 Test Specification (ITU-T 1988/1992)
  - T1.111 SS7 MTP (ANSI 1998/1992)

- ## ISUP (ISDN User Part)
  - Q.763 Signaling System No. 7 - ISDN User Part formats and codes (ITU-T 1999)

AddPac

SS7 Protocol Stack Support

SS7 Model

Call Controller
ISUP
MTP3
MTP2
MTP1

Network Service Part

Message Transfer Part

OSI Model

Application
Presentation
Session
Transport
Network
Data
Physical

AddPac

Smart Web Manager for SS7 Signaling Part

Smart Web Manager
www.addpac.com

SS7

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

Basic
- Protocol
- Server SIP
- Server H.323
- SIP Registration
- H.323 Registration
- E1/T1 Trunk
- FXS Extension
- FXO/EnM Extension
- E1/T1 Extension
- DTMF/CODEC
- VoIP Dial Plan
- FXO DialPlan
- Static Route
- Hot Line
- SS7

Advanced
- Port Control
- Fax

Point Code   0.0.2   ✔ Apply

My Point Code

LinkSet configuration

Name	Adjust PC	Default PC	Variant	CIC Begin (0~2048)	Max Channel	Network Indicator	Control
ls0	0.0.1		itu-t	2	30	national	☐

✔ Delete

natioanl   ✔ Add

LinkSet Configuration
- Name, Adjust Point Code, Default Point Code,
- Variant, CIC, Network Indicator

Link configuration

Serial Interface	Use	Identifier	Linkset Name	SigChannel	Select
Serial 0/0	☑	0	ls0	16	☐
Serial 0/1	☐	0			☐

Link Configuration
- Use Option, Identifier, Linkset name, signal channel

✔ Update

*** After configuring SS7 links, click save & reboot icons.

AddPac

www.addpac.com

8

Smart Web Manager Overview

AddPac

Contents

- Web Connection
- Main Page Layout
- System Configuration
  - Language, WAN Setup, LAN Setup, NAT, NTP, System Time, File Browser
- Basic Configuration
  - Protocol : SIP Server , H.323 Server
  - Analog Port : FXS Extension, FXO Extension, FXO Dial Plan, Hot Line
  - Digital Port : E1/T1 Trunk, E1/T1 Extension
  - VoIP : DTMF/CODEC, VoIP Dial Plan, Static Route
- Advanced Configuration
  - Gain/CID, FAX, Service, Filtering, Security
- Miscellaneous Configuration
  - Port & Call Status, System Status
  - Call Log, System Log, Test Call, Ping

AddPac

Web Connection

IP Address Configuration via RS232C Console Port

Serial port

VoIP Gateway

Baud rate 9600
No parity
1 stop bit
No flow control

Login ID/Password :
root/router
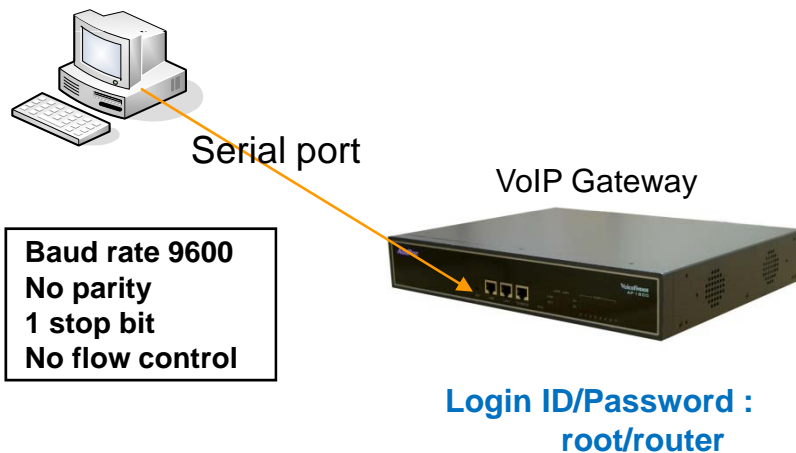
1. Connect to VoIP Gateway via console port to enter IP address in order to set Interface 0/0
2. Input IP address of interface 0/0 using below command
3. Connect to the IP address via web after saving

Router> enable   => Enter the enable mode
Router# configure terminal   => Enter the configuration mode
Router(config)# interface FastEthernet 0/0
Router(config-if)# ip address <IP Address> <Subnet Mask>   => Ex) ip address 172.17.109.1 255.255.0.0
Router(config-if)# exit
Router(config)# ip route 0.0.0.0 0.0.0.0 <Defaullt Gateway>   => Ex) ip route 0.0.0.0 0.0.0.0 172.17.1.1
Router(config)# write   => saving
Proceed with write? [confirm]y

Web Connection

Web Connection via LAN 1 Port

VoIP Gateway

Cross Cable

LAN 1

LAN 1 Default IP address
IP Address : 192.168.10.1
Subnet mask : 255.255.255.0

1. It is the way to connect to VoIP Gateway via LAN 1 port
2. The factory default of LAN 1 port
   - IP Address : 192.168.10.1
   - Subnet mask : 255.255.255.0
3. After set PC with same IP address subnet, connect to VoIP Gateway
   - Connect PC to VoIP Gateway using Cross UTP-Cable. You may use Ethernet switch
     with normal UTP-cable
   - Enter IP address 192.168.10.1 on your web browser

WEB Connection

Connect to VoIP Gateway

Please enter the below log-in information to access Smart Web Manager

ID : root
Password : router

Main Page Layout

Tool Bar
Provide frequently used tools like as System Update, Configuration Backup, Initialization, Restart, Telnet

Main Menu
For easy system setup, provide the various menu and category

Information
Display the current system version and status summery

Description
Display the help message if you move mouse over main menu

Workspace
Workspace for detailed action

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
- SIP Registration
- H.323 Registration
- E1/T1 Trunk
- FXS Extension
- FXO Extension
- E1/T1 Extension
- DTMF/CODEC
- VoIP Dial Plan
- FXO DialPlan
- Static Route
- Hot Line

Advanced
- Gain & CID
- Fax
- Service
- Filtering
- Security
- SNMP

Miscellaneous
- Port & Call Status
- System Status
- Call Log
- System Log
- Test Call
- Ping

System Information

H/W Version	2.0
S/W Version	8.41.086
MAC Address	0002.a4ff.f6a4
VoIP Protocol	SIP
Voice Interface Module	S(4)O(4) : None
Registration Status	**Unregistered**
Supported Codec List	
Network Information	Static 0.0.0.0
WAN LINK Status	100Mbps FULL Duplex Link UP
LAN LINK Status	100Mbps FULL Duplex Link UP
Current Time	Thu Sep 16 14:24:50 2010
System Startup Time	Thu Sep 16 14:23:19 2010
System Running Time	0 days 00:01:31
Total Calls	0

Information
AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.086
Smart Web Version : 0.4
Smart Web Build : Sep 15 2010
Voice Interface
    S(4)O(4) : None
Protocol : SIP
Status : Unregistered
Current Calls: 0
CallNetwork : Static 0.0.0.0
Mac Address: 0002.a4ff.f6a4

Description

AddPac

www.addpac.com

14

System - Language

System – WAN Setup

Host Name
Create a representative name for the site to be installed

Static IP
This is static IP mode. Specify the addressed IP from the service provider

PPPoE
This is ADSL mode. This mode is used for addressing IP though authentication from the modem.
At this time, the modem must be configured in a way that the device can be authenticated.

DHCP
This is dynamic IP mode which is set at default. The IP can addressed from the external DHCP server.

VLAN
Configure VLAN mode and ID.

WAN Link
Controls and recognizes WAN port
Specify the connection speed of WAN port. connection automatically.

MAC
Change MAC address of WAN interface. Without address entry, use the basic MAC Address.

WAN & Tunneling Setup

WAN Setup

Hostname: Router

Static IP
- IP Address: A.B.C.D
- Network Mask: A.B.C.D
- Default Router: A.B.C.D
- DNS Server: Primary DNS Server / Secondary DNS Server

PPPoE(ADSL)
- User name
- Password
- Authentication:
  - (No Authentication)
  - PAP (PPP Authentication Protocol)
  - CHAP(Challenge Handshake Authentication Protocol)

DHCP

VLAN: ID 0

WAN Link Control
- Auto
- Manual
  - Speed: 100 / 10
  - Duplex: full / half

NAT & Bridge: None / NAT / Bridge

MAC(Hardware) Address

Apply

Information
AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.086
Smart Web Version : 0.4
Smart Web Build : Sep 15 2010
Voice Interface
    S(4)O(4) : None
Protocol : SIP
Status : Unregistered
Current Calls : 0
CallNetwork : Static 0.0.0.0
Mac Address: 0002.a4ff.f6a4

Description
This command sets up WAN port. The static IP address is to be assigned from the service provider and you can enter the assigned IP address. For DHCP and PPPoE, the IP address of the device can be changed. MAC Address change can be used only when necessary . It is recommended to use the address created by the user not the address of the device

NAT & Bridge
Configure NAT or Bridge mode

AddPac

System – LAN Setup

None
It is configured by default IP.

IP Share
This is sharing of LAN0.

Static
This is configured directly by user.

System - NAT

System - NTP

System – System Time

System – File Browser

File Browser
Download and Upload Gateway's firmware or configuration file.

Basic - Protocol

Basic – SIP Server

Basic – SIP Registration

SIP Registration
- E.164 Number
- User Name
- Password
- Display Name
- Hunt Stop
- Registration checking

Basic – H.323 Server

H.323 Server
Primary & Secondary server,
H.323 ID
SIP Signaling Port (reboot necessary)
H.323 Call start mode
H.323 Tunnel mode

Basic – H.323 Registration

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
- SIP Registration
- **H.323 Registration**
- E1/T1 Trunk
- FXS Extension
- FXO Extension
- E1/T1 Extension
- DTMF/CODEC

H.323 Registration

H.323 Registration

Pots Num	Port	Number	HuntStop	REG
1000	S0P0		☐	☐
1001	S0P1		☐	☐
1002	S0P2		☐	☐
1003	S0P3		☐	☐

* H323 Registration - Assigned Pots Tag Number : 1000 - 1024

✔ Apply

Information

AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.086
Smart Web Version : 0.4
Smart Web Build : Sep 15 2010
Voice Interface
  S(4)O(4) : None
Protocol : H.323
Status : Unregistered
Current Calls: 0
CallNetwork : Static 0.0.0.0
Mac Address: 0002.a4ff.f6a4

Description

Set up for using FXS port to registration H.323 Server

H.323 Registration
 - Number
 - Hunt Stop
 - Registration checking

AddPac

Basic – Analog : FXS Extension

Port Information
voice port type & physical port

FXS Extension
Configure phone-number for using inter-office
Preference (0 : highest)

Basic – Analog : FXO Extension

Port Information
voice port type & physical port

FXO Extension
Configure phone-number for using PSTN Line
Preference (0 : highest)

Basic – Analog : FX0 Dial Plan

Smart Web Manager
www.addpac.com

FXO Dial Plan / Prefix

Port Information

Port	P0	P1	P2	P3	P4	P5	P6	P7
SLOT 0	FXS	FXS	FXS	FXS	FXO	FXO	FXO	FXO
SLOT 1								

Plan Table

Rule Num	Digits to Insert	Digits to delete	Digit Pattern	Control
				Delete
				Add

FXO Table

Pots Num	FXS	FXO	Number	PlanIndex	Preference	Control
						Delete
	P0:4			N.A.	9	Apply

Assigned Translation-Rule Tag Number Number : 100 - 199
Assigned Pots Tag Number : 3560 - 4071

Information

AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.086
Smart Web Version : 0.4
Smart Web Build : Sep 15 2010
Voice Interface
  S(4)O(4) : None
Protocol : H.323
Status : Unregistered
Current Calls : 0
CallNetwork : Static 0.0.0.0
Mac Address : 0002.a4ff.f6a4

Description

System
- Language
- WAN Setup
- ~~LAN Setup~~
- ~~File Browser~~

Basic
- Protocol
- Server SIP
- Server H.323
- SIP Registration
- H.323 Registration
- E1/T1 Trunk
- FXS Extension
- FXO Extension
- E1/T1 Extension
- DTMF/CODEC
- VoIP Dial Plan
- FXO DialPlan

Port Information
 voice port type & physical port

Plan Table
 Configure translation rule for FXO Port
   - first, 'Number of Digits to Delete' option is applied.
   - second, 'Digits to Insert' option is applied.

 (ex)   Origin called Number = 123456
          Number of Digits to Delete = 2
          Digits to Insert = "88"
          ----
           result = 883456

FXO Table
  Configure FXO Port with translation rule.

AddPac

Basic – Digital : E1/ T1 Trunk

E1/T1 Port
Configure E1 channel & group

E1/T1 value
Clock-Source
Framing
Line Code
Signaling type

E1/T1Sub function
ISDN-PRI
 - Protocol-emulate
 - virtual-Connect
 - immediate-disconnect
 - dial-tone generate
 - Compand type
 - Q931 Timer
R2-MFC
 - Get calling number
Busyout
 - monitoring E1/T1 port status

Basic – Digital : E1/ T1 Extension

Port Information
voice port type & physical port

E1/T1 Extension
Configure phone-number for using PABX
- Forward-Digits (from / last)

Basic – DTMF/CODEC

Smart Web Manager
www.addpac.com

DTMF/CODEC

CODEC
Configure voice codec preference
(g711a, g711u, g729, g7231, g726)

System
• Language
• NTP
• System Time
• File Browser

Basic
• Protocol
• Server SIP
• Server H.323
• SIP Registration
• H.323 Registration
• E1/T1 Trunk
• FXS Extension
• FXO Extension
• E1/T1 Extension
• DTMF/CODEC
• VoIP Dial Plan

Voice CODEC
Preference 1	None
Preference 2	None
Preference 3	None
Preference 4	None
Preference 5	None
Preference 6	None

DTMF Relay mode
○ DTMF relay by In-band voice
○ DTMF relay by RTP payload defined by RFC 2833
○ DTMF relay by Out-of-band signal
○ DTMF relay by Cisco out-of-band signal

✔ Apply

DTMF
Configure DTMF relay method
(in-band, RFC2833, out-of-band, CISCO type out-of-band)

Information
AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.086
Smart Web Version : 0.4
Smart Web Build : Sep 15 2010
Voice Interface
  T1(2) : None
Protocol : H.323
Status : Unregistered
Current Calls : 0
CallNetwork : Static 0.0.0.0
Mac Address : 0002.a4ff.f6a4

Description
Configure the settings for GSM
Dial Plan and Prefix table

Basic – VoIP Dial Plan

Smart Web Manager
www.addpac.com

System
- Language
- WAN Setup
- LAN Setup
- NAT

VoIP Dial Plan / Prefix

Plan Table

Rule Num	Digits to Insert	Digits to delete	Digit Pattern	Control
				Delete
				Add

Prefix Table

Voip Num	Prefix	Called Num Plan	Calling Num Plan	Control
				Delete
		N.A. ▼	N.A. ▼	Apply

* VoIP Dial Plan - Assigned Translation-Rule Tag Number : 0 - 99
* VoIP Dial Plan - Assigned VoIP Tag Number : 10000 - 10099

- FXO Extension
- E1/T1 Extension
- DTMF/CODEC
- **VoIP Dial Plan**
- FXO DialPlan
- Static Route
- Hot Line

Information

AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.086
Smart Web Version : 0.4
Smart Web Build : Sep 15 2010
Voice Interface
  T1(2) : None
Protocol : H.323
Status : Unregistered
Current Calls : 0
CallNetwork : Static 0.0.0.0
Mac Address: 0002.a4ff.f6a4

Description

Configure the settings for the outbound call of main/remote and incoming E1/T1 and routing

---

VoIP PLAN
 Configure translation rule for VOIP Peer.
  - first, 'Number of Digits to Delete' option is applied.
  - second, 'Digits to Insert' option is applied.

  (ex)   Origin called Number = 123456
          Number of Digits to Delete = 2
          Digits to Insert = "88"
          ----
          result = 883456

Prefix Table
    Configure VoIP Peer with translation rule.
      (Serviced by SIP SERVER)

AddPac

www.addpac.com

33

Basic – Static Route

Basic – Hot Line

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
- SIP Registration
- H.323 Registration
- E1/T1 Trunk
- FXS Extension
- FXO Extension
- E1/T1 Extension
- DTMF/CODEC
- VoIP Dial Plan
- FXO DialPlan
- Static Route
- **Hot Line**

Hot Line

Hot Line Configuration

Port	Hot Line Number	Digit Input Timeout <0~10 sec>
S0P0(S)		0
S0P1(S)		0
S0P2(S)		0
S0P3(S)		0
S0P4(O)		0
S0P5(O)		0
S0P6(O)		0
S0P7(O)		0

✔ Apply

Information

AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.027
Smart Web Version : 0.4
Smart Web Build : Sep 16 2010
Voice Interface
   S(4)O(4) : None
Protocol : SIP
Status : Unregistered
Current Calls : 0
CallNetwork : Static 0.0.0.0
Mac Address: 0002.a4ff.f6a4

Description

Hot Line
- Used as incoming direct call of FXO port(Connection PLAR)
- Timer (FXS port only : No Digit event is occurred for configured timer value, Auto-Dialing will be started)

AddPac

Advanced – Gain & CID

Gain & CID
Configure Input-gain, output-gain and caller-ID.

Advanced - Fax

Advanced - Service

Service
- Configure application service(Telnet, HTTP, ftp, syslog)
- Configure IDT(Inter Digit Time)
- Configure Call-Transfer-Mode & Hook-Flash-Usage-Type.
- Configure SIP Call-Transfer-Mode.
- Configure Skype SIP Server Use
- Hunt Algorism
- Changing Password

Advanced - Filtering

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
- SIP Registration
- H.323 Registration
- E1/T1 Trunk
- FXS Extension
- FXO Extension
- E1/T1 Extension
- DTMF/CODEC
- VoIP Dial Plan
- FXO DialPlan
- Static Route
- Hot Line

Filter

FTP Filter

Network Addr	Network Mask	Control
		Add

HTTP Filter

Network Addr	Network Mask	Control
		Add

Telnet Filter

Network Addr	Network Mask	Control
		Add

Information

AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.027
Smart Web Version : 0.4
Smart Web Build : Sep 16 2010
Voice Interface
    S(4)O(4) : None
Protocol : SIP
Status : Unregistered
Current Calls: 0
CallNetwork : Static 0.0.0.0
Mac Address: 0002.a4ff.f6a4

Description

For FTP, HTTP, Telnet, set up one IP or IP band for allowing access

Filter
Configure application service filter with IP & Subnet mask.

Advanced - Security

Security
- IP Filtering : Allowing only the inbound call which is registered to Call-Routing of the server by static IP.
- Allowed IP address list : Allowing only inbound call which is added ip address.
- WarDialing : Allowing only the inbound call with the number registered to Inter-Office and phone-number.
- Digit Length : Allowing only the inbound call with the number registered to Inter-Office and phone-number
- H.323 : H.323 signaling packets are filtered.
- SIP : SIP signaling packets are filtered.

Miscellaneous – Port & Call Status

Smart Web Manager
www.addpac.com

Port & Call Status

System
- Language
- WAN Setup

Analog/Digital Port
Real-time display about analog or digital port status (occupation, call status). Provide a specific port blocking function

- Protocol
- Server SIP
- Server H.323
- SIP Registration
- H.323 Registration
- E1/T1 Trunk
- FXS Extension
- FXO Extension

Active Call Status
Real-time display about current active call status (calling party addr, called party addr. Codec, etc)

Port Status

SLOT	Port Group								
SLOT									
	Port	0(FXS)	1(FXS)	2(FXS)	3(FXS)	4(FXO)	5(FXO)	6(FXO)	7(FXO)
SLOT 0	Status	I	I	I	I	I	I	I	I
	Select	☐	☐	☐	☐	☐	☐	☐	☐

[Unblock] [Block]

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

Call State

Port	Direction	Established Time	Calling Number	Called Number	CODEC	Src/Dest. IP

Information

AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.027
Smart Web Version : 0.4
Smart Web Build : Sep 16 2010
Voice Interface
  S(4)O(4) : None
Protocol : SIP
Status : Unregistered
Current Calls : 0
CallNetwork : Static 0.0.0.0
Mac Address: 0002.a4ff.f6a4

Description

Verify port status and retrieve the present call information

AddPac

www.addpac.com

41

Miscellaneous – System Status

System Status
- voice port status & information
- SIP-UA status & information
- gateway status & information
- system utilization information

www.addpac.com

42

Miscellaneous – Call Log

Smart Web Manager
www.addpac.com

Call Log

```
CallNum EventTime        Descript    CallingPartyNum    CalledPartyNum        RemoteInfo          SetupTime      Dur  Reason
-------------------------------------------------------------------------------------------------------------------------------
```

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

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

Advanced
- Gain & CID
- Fax
- Service
- Filtering
- Security

Miscellaneous
- Port & Call Status
- System Status
- **Call Log**
- System Log
- Test Call
- Ping

Call Log
Show call history information
   * call number
   * event time
   * description
   * calling number
   * called number
   * remote IP information
   * call setup time
   * call duration
   * call clear reason

Miscellaneous – System Log

System Log
- command log
- system alarm log (ex : interface down)

Miscellaneous – Test Call

Test Call
 remote diagnose the proper operation of VoIP call
 - Test Phone Number
 - Digits
 - Start / Voice / Digit / End Button

Miscellaneous - Ping

Smart Web Manager
www.addpac.com

Ping

System
- Language
- System Time
- File Browser

PING
  You can diagnose network status by PING.

Basic
- Protocol
- Server SIP
- Server H.323
- SIP Registration
- H.323 Registration
- E1/T1 Trunk
- FXS Extension
- FXO Extension
- E1/T1 Extension
- DTMF/CODEC
- VoIP Dial Plan
- FXO DialPlan
- Static Route

Host address   [ ]   Start

PING
  Show real time ping status.

Information
AddPac Technology
Model : AP1800
H/W Version : 2.0
S/W Version : 8.41.027
Smart Web Version : 0.4
Smart Web Build : Sep 16 2010
Voice Interface
  S(4)O(4) : None
Protocol : SIP
Status : Unregistered
Current Calls: 0
CallNetwork : Static 0.0.0.0
Mac Address: 0002.a4ff.f6a4

Description
Verify the outgoing Ping to the outside from the device by entering IP address and URL Verify network status of the location in where the terminal is located

AddPac

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