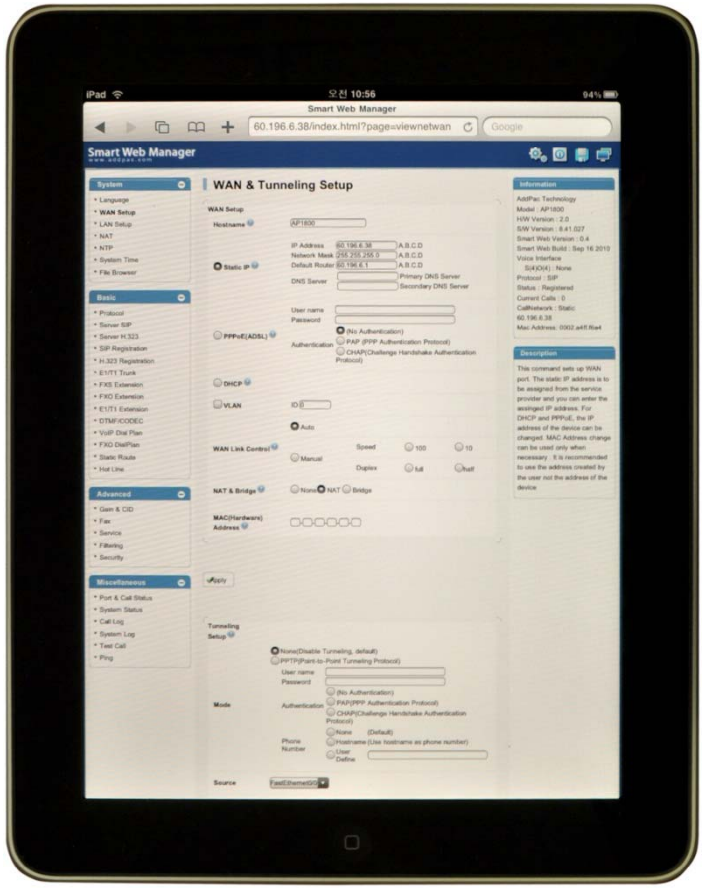
Smart Web Manager
for VoIP Gateway Series





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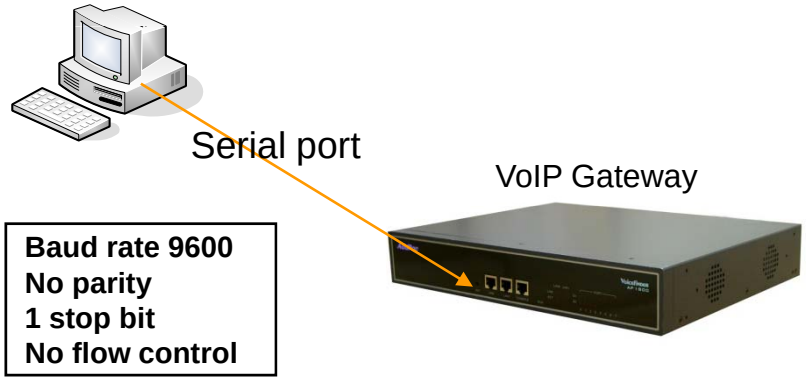
Web Connection

IP Address Configuration via RS232C Console Port



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



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

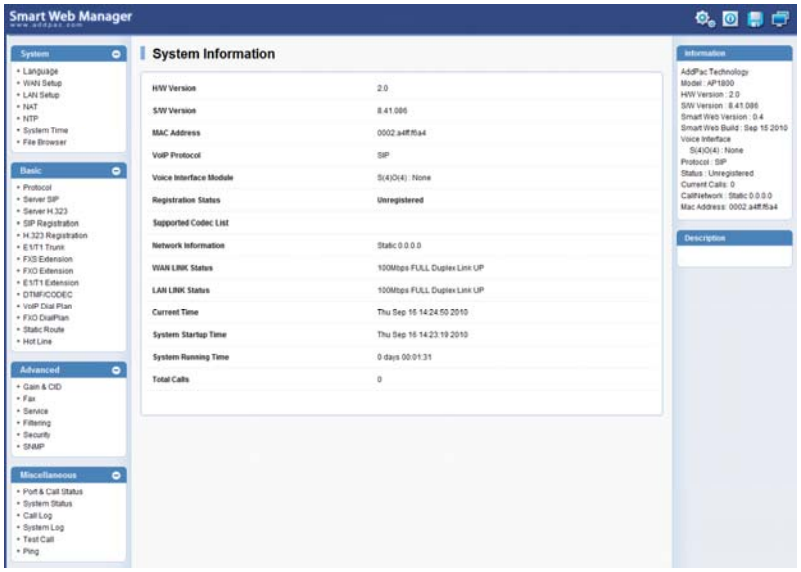
WEB Connection

Connect to VoIP Gateway

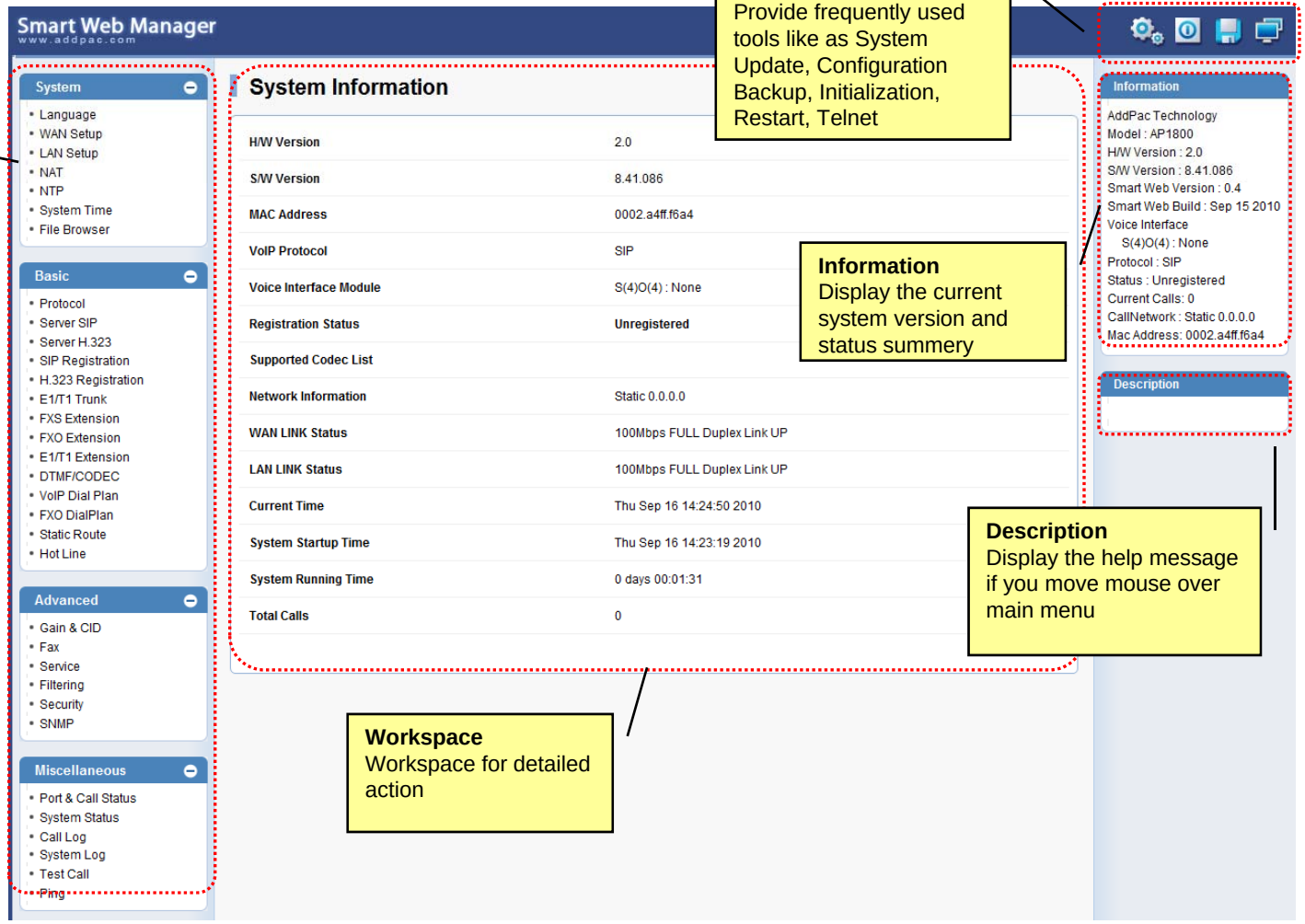


Please enter the below log-in information to access Smart Web Manager

ID : root
Password : router



Main Page Layout



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

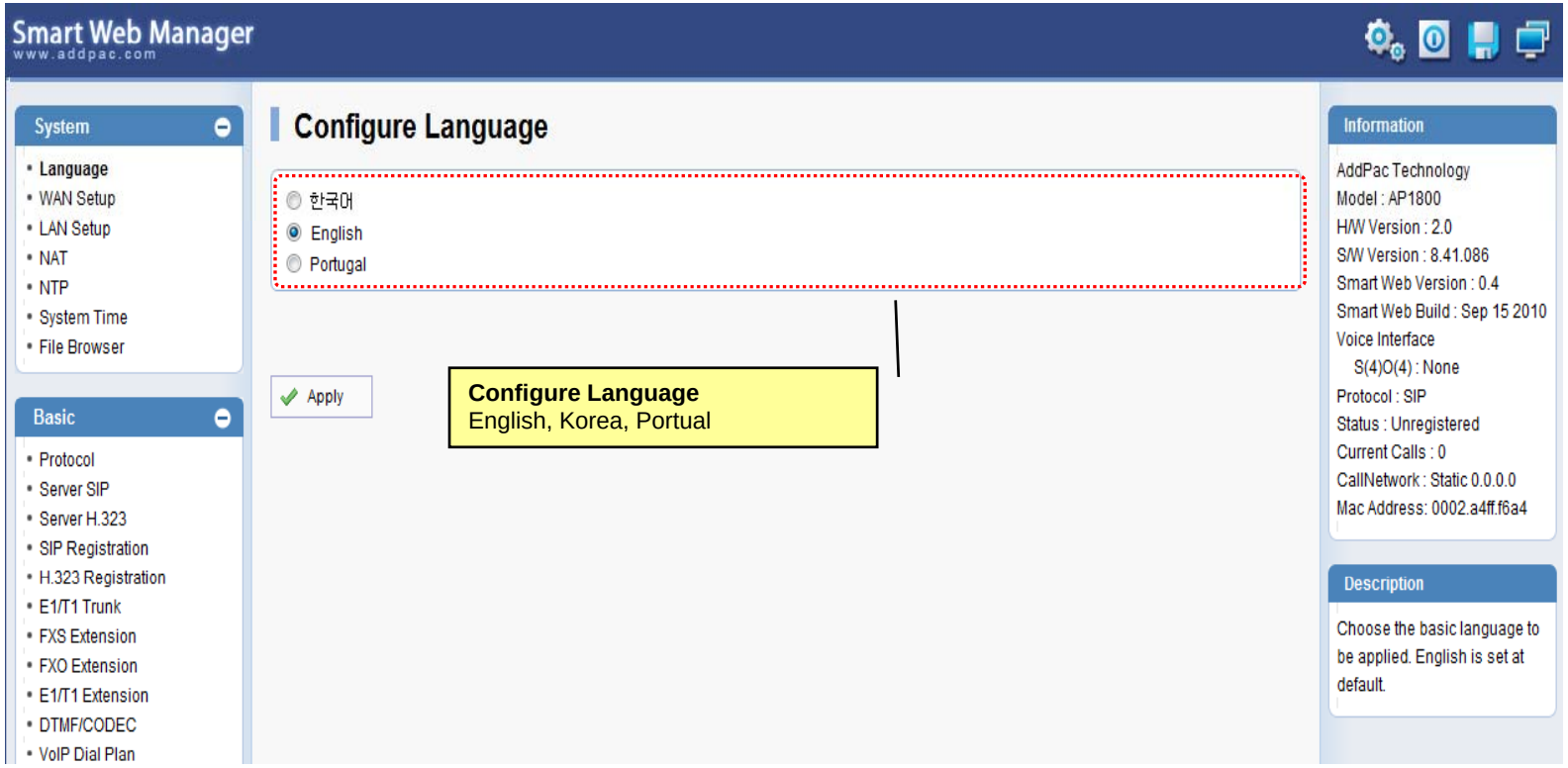
Main Menu
For easy system setup, provide the various menu and category

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

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

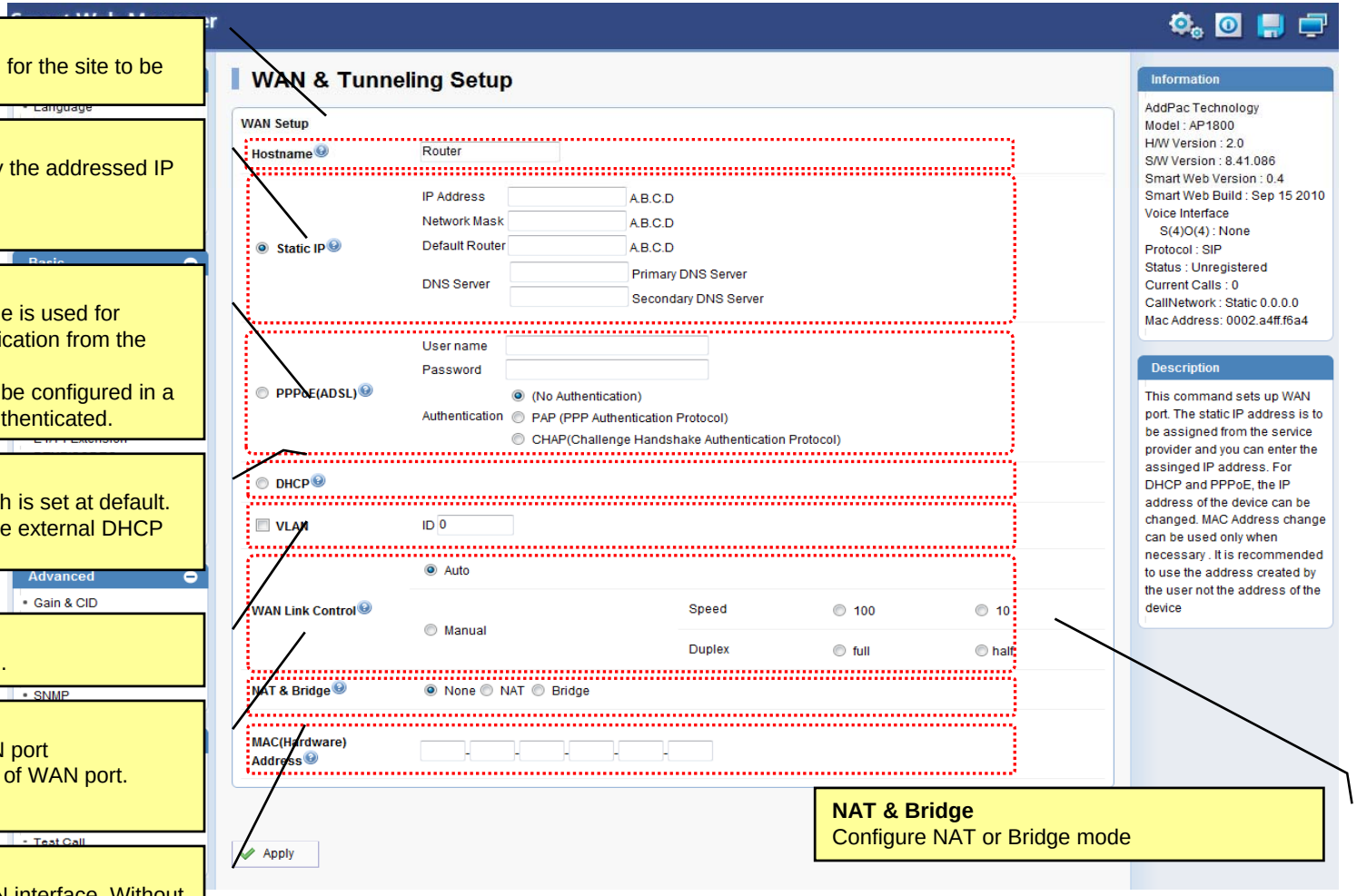
PPPoE
This is ADSL mode. This mode is used for addressing IP though authentication from the modem.
At this time, the modem must be configured in a way that the device can be authenticated.

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.



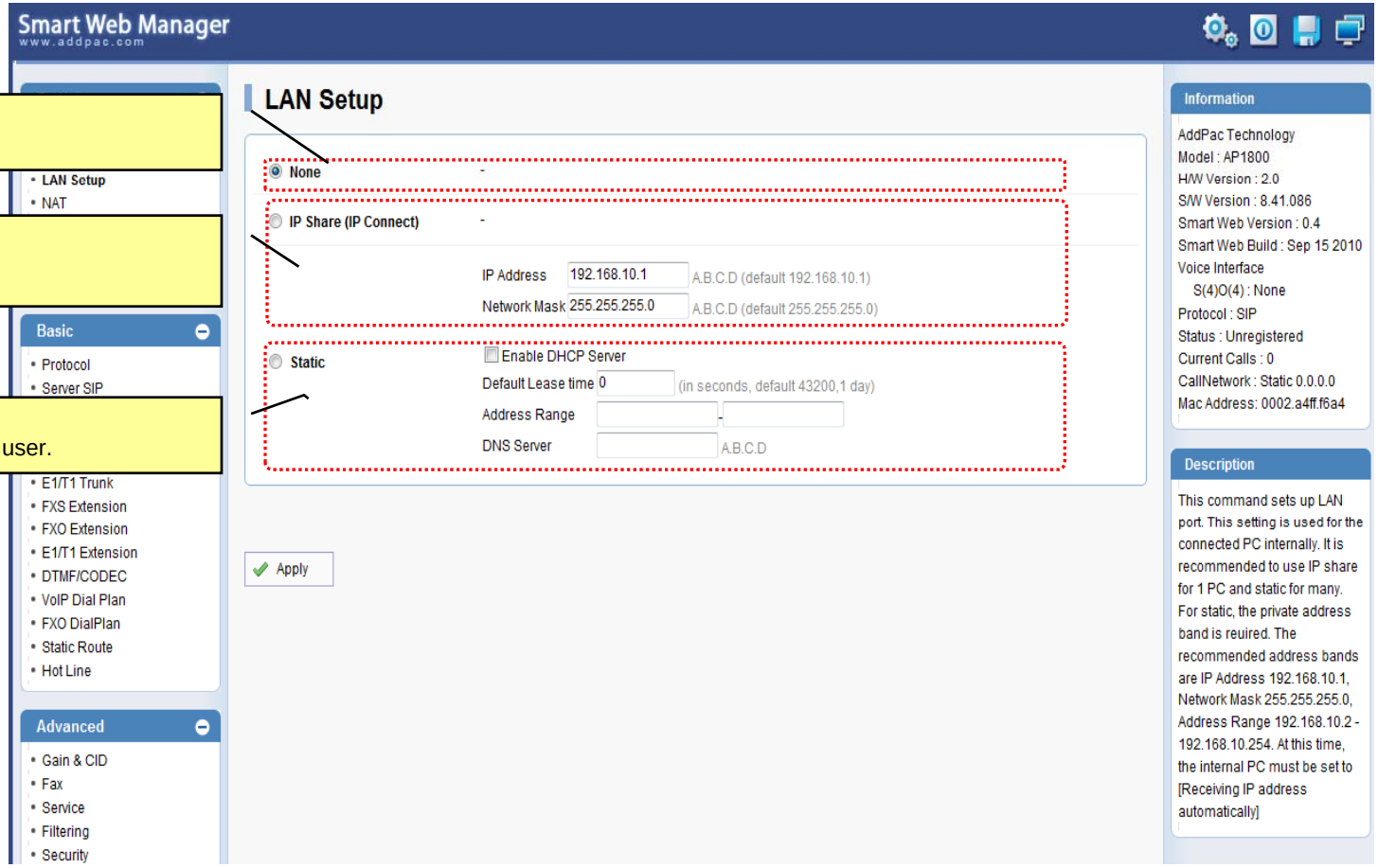
NAT & Bridge
Configure NAT or Bridge mode

System – LAN Setup

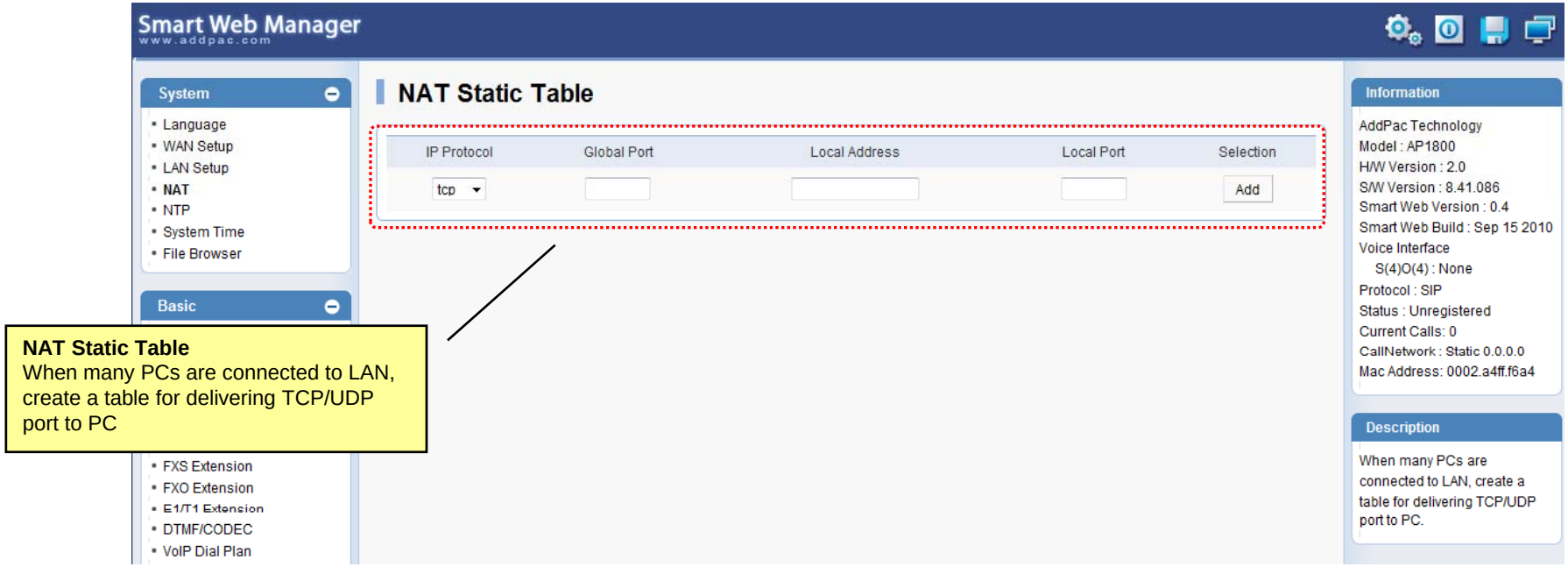
None
It is configured by default IP.

IP Share
This is sharing of LAN0.

Static
This is configured directly by user.

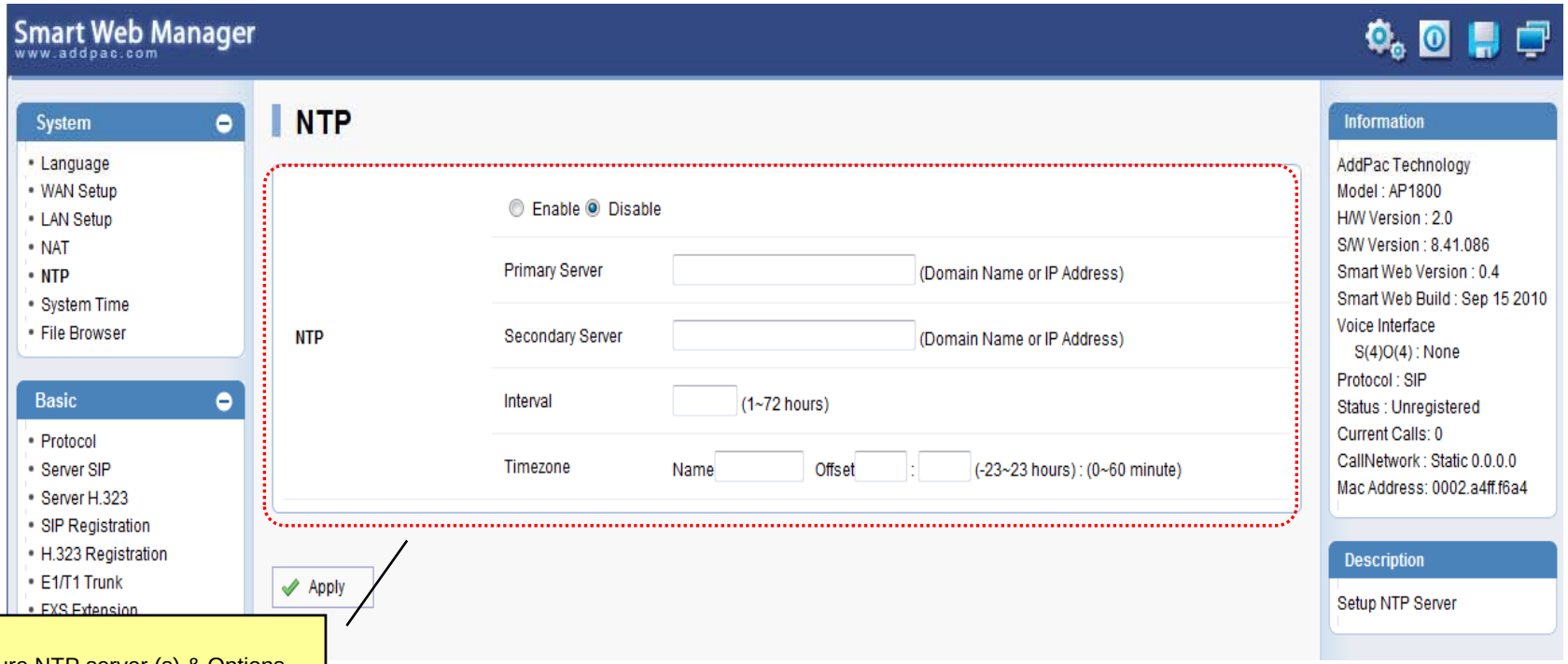


System - NAT



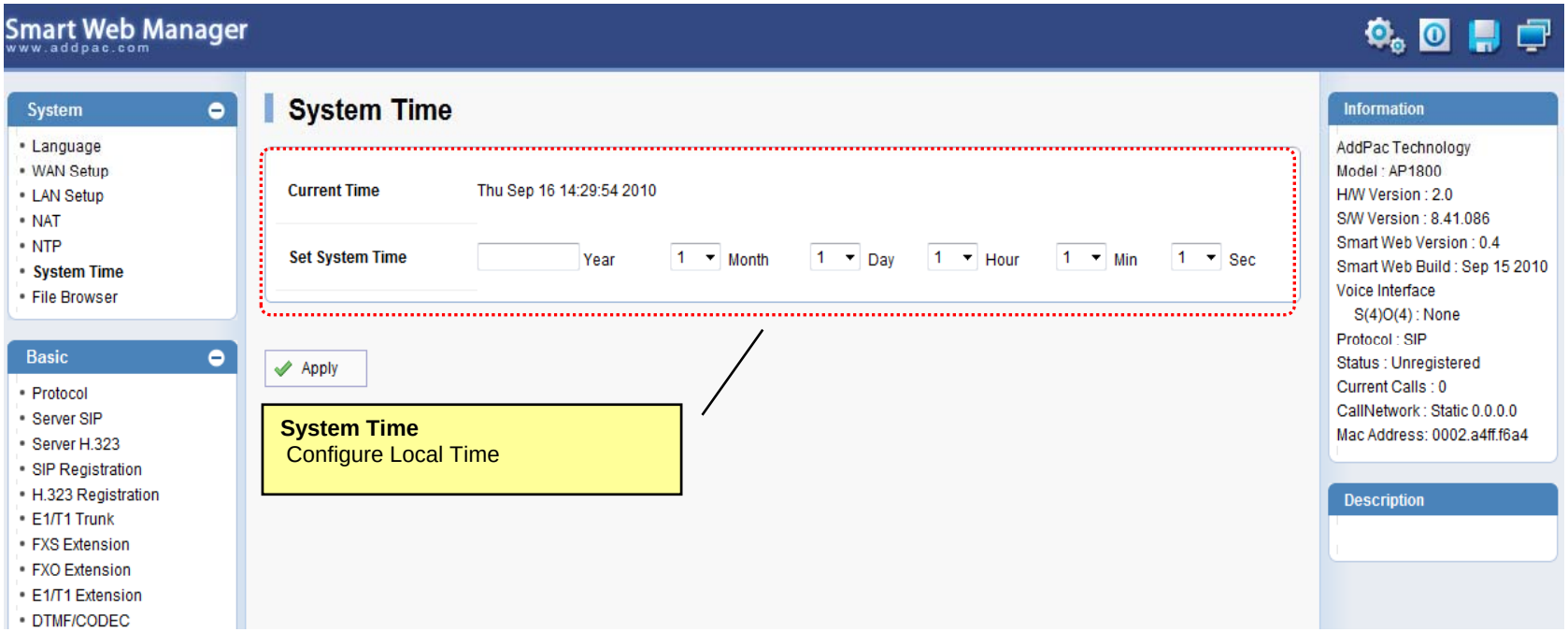
NAT Static Table
When many PCs are connected to LAN, create a table for delivering TCP/UDP port to PC

System - NTP



NTP
Configure NTP server (s) & Options

System – System Time

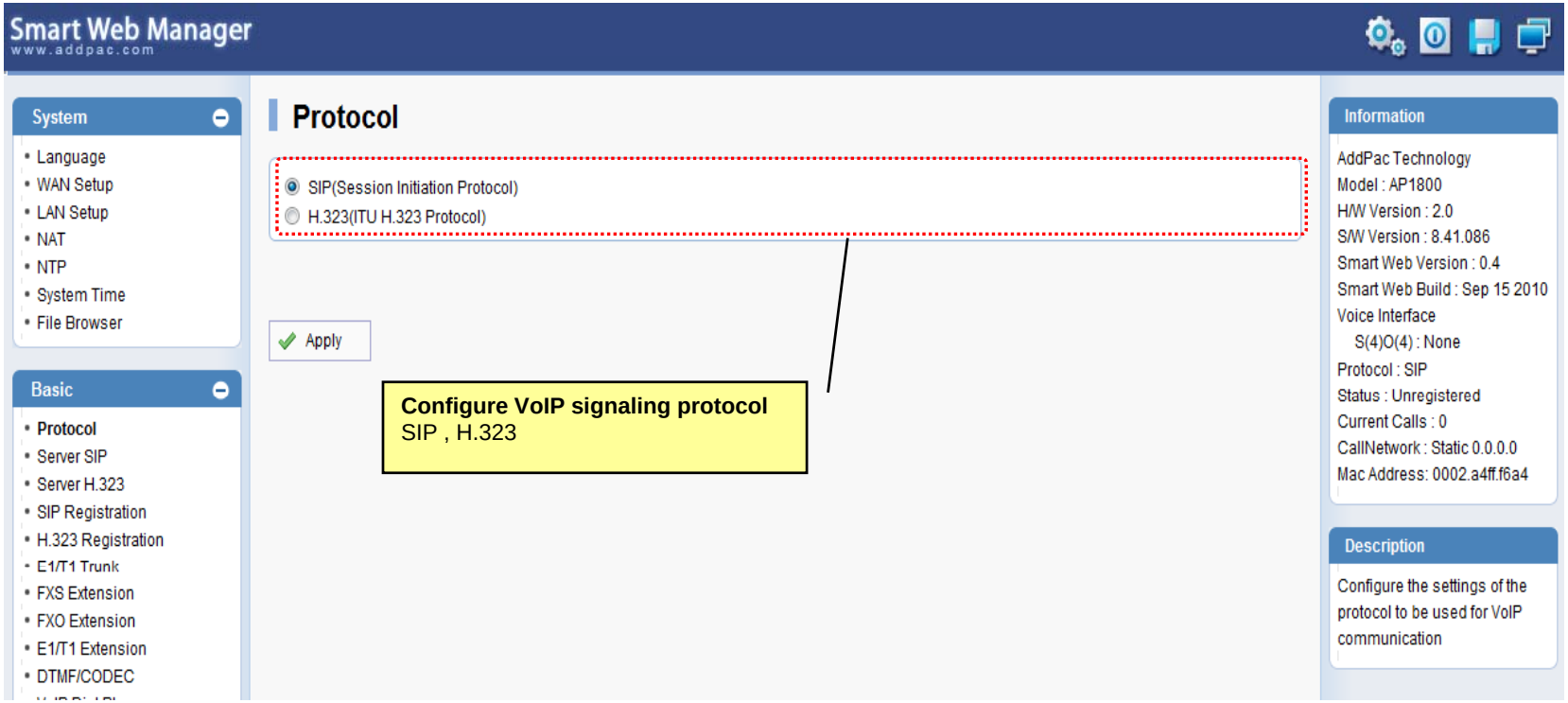


System – File Browser

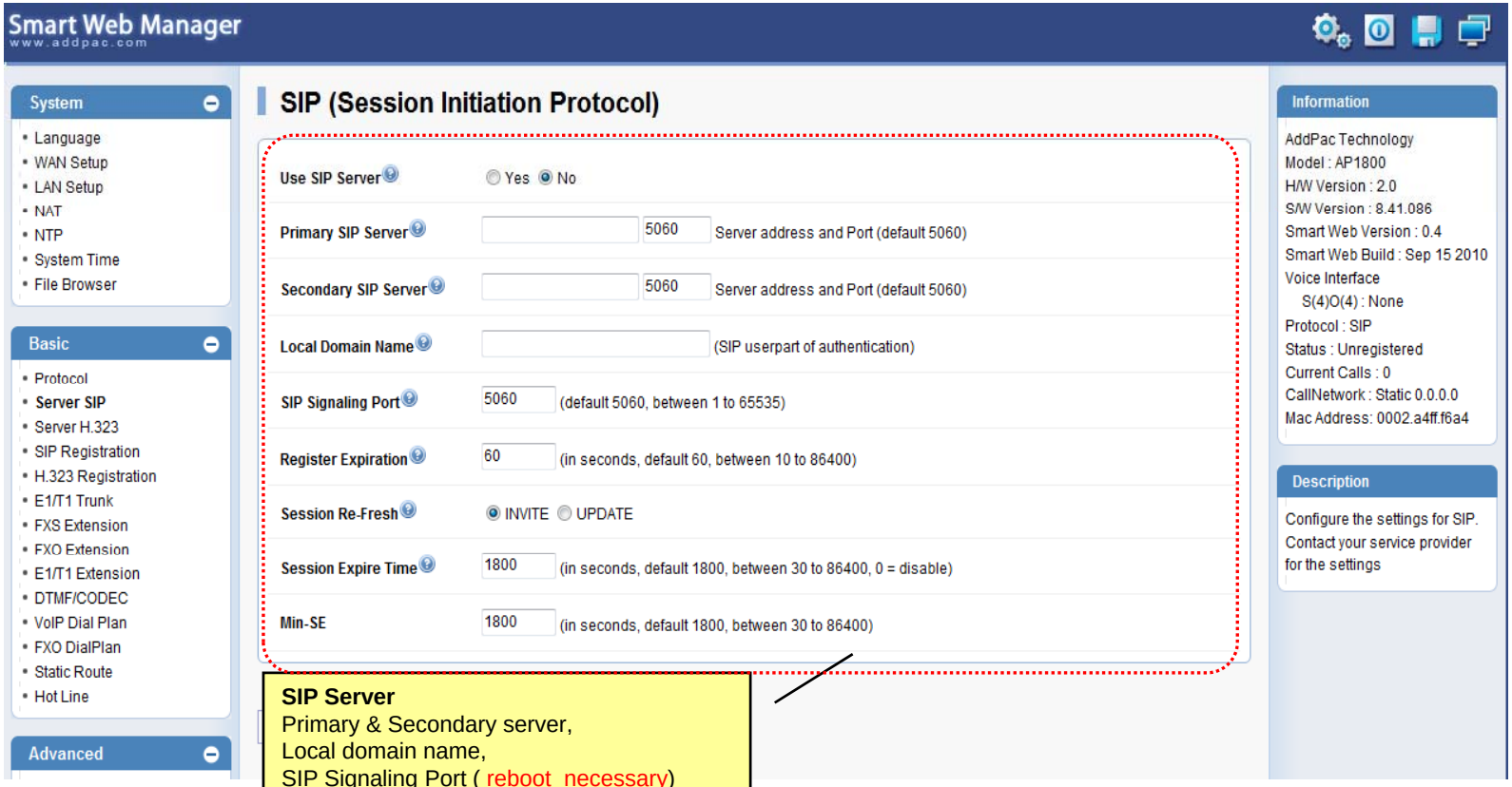


File Browser
Download and Upload Gateway's firmware or configuration file.

Basic - Protocol

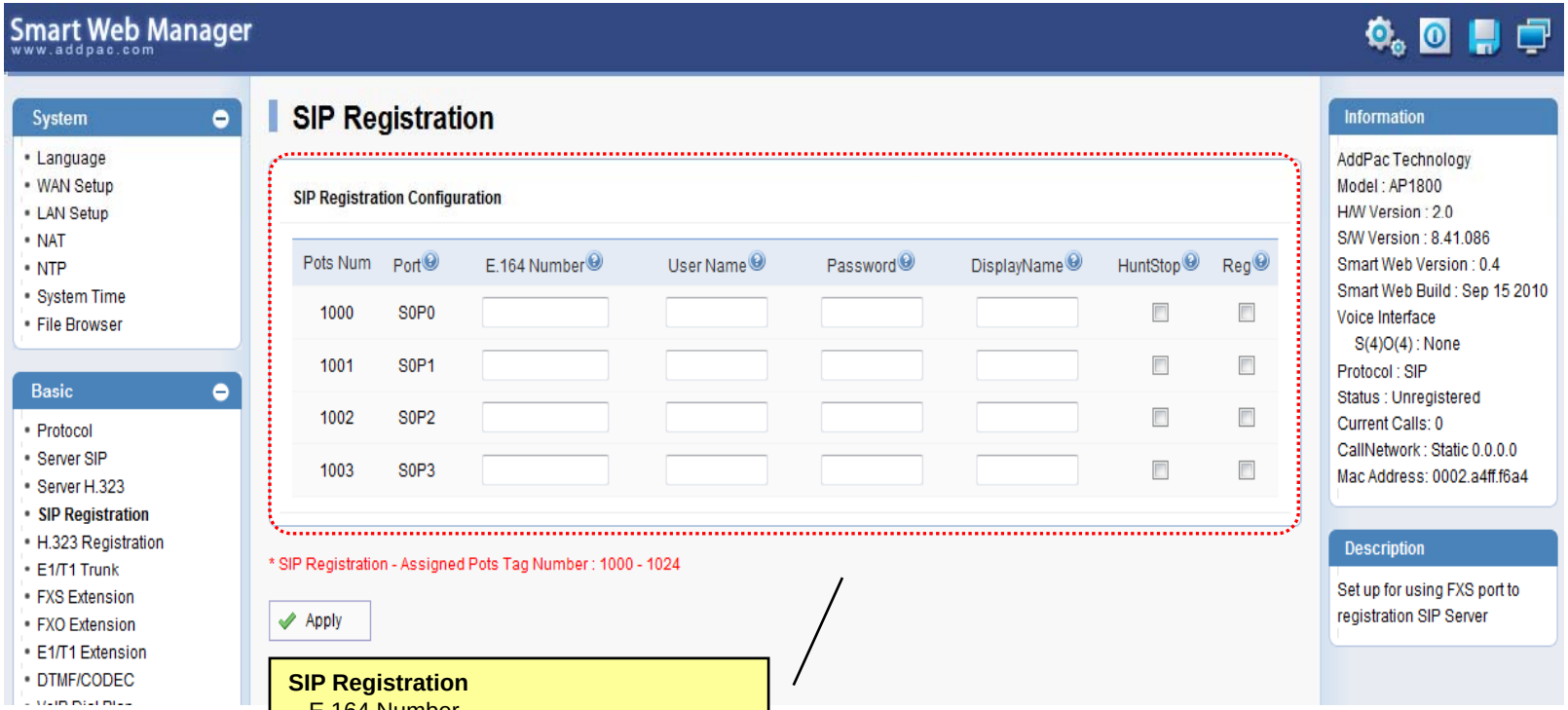


Basic – SIP Server



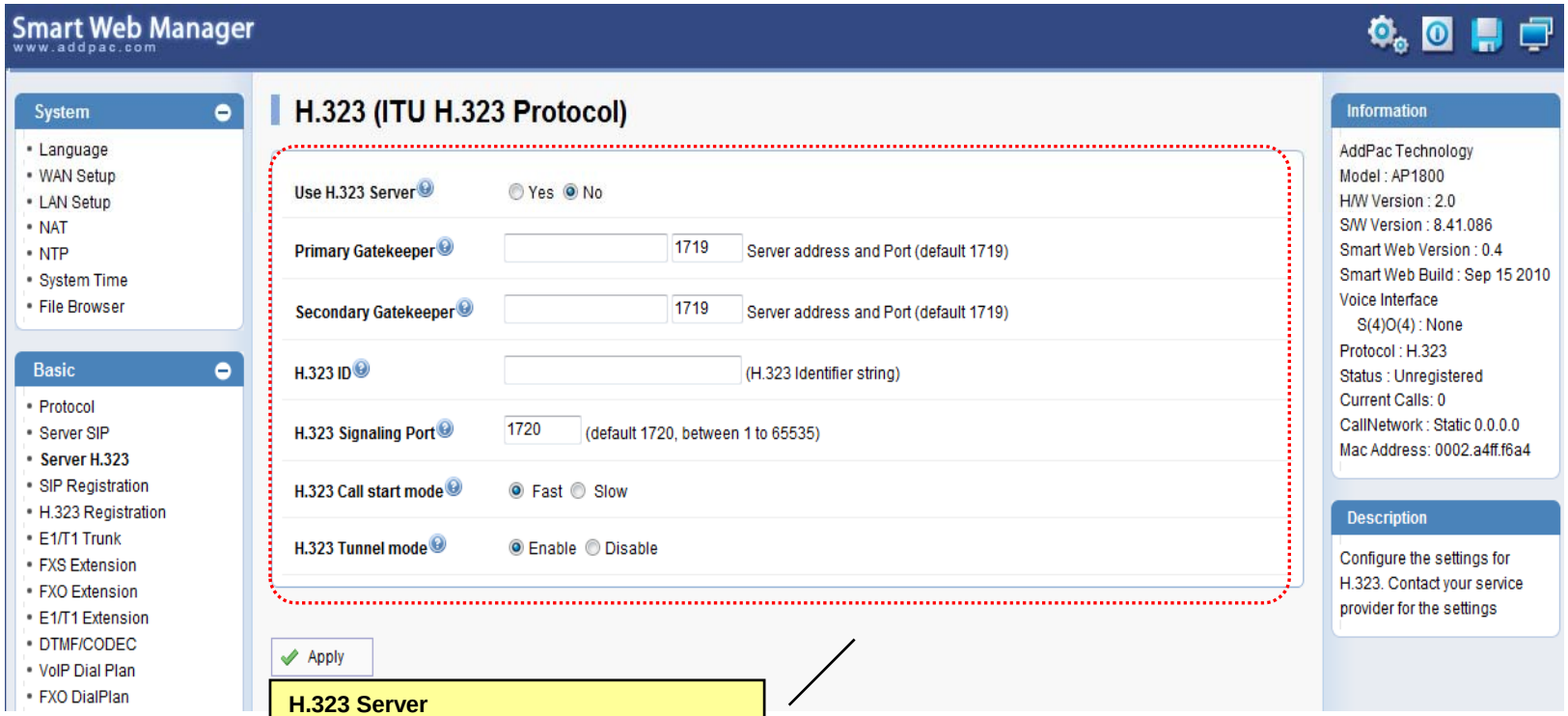
SIP Server
Primary & Secondary server,
Local domain name,
SIP Signaling Port (reboot necessary)
Timer
* register expire
* session refresh
* session expire

Basic – SIP Registration



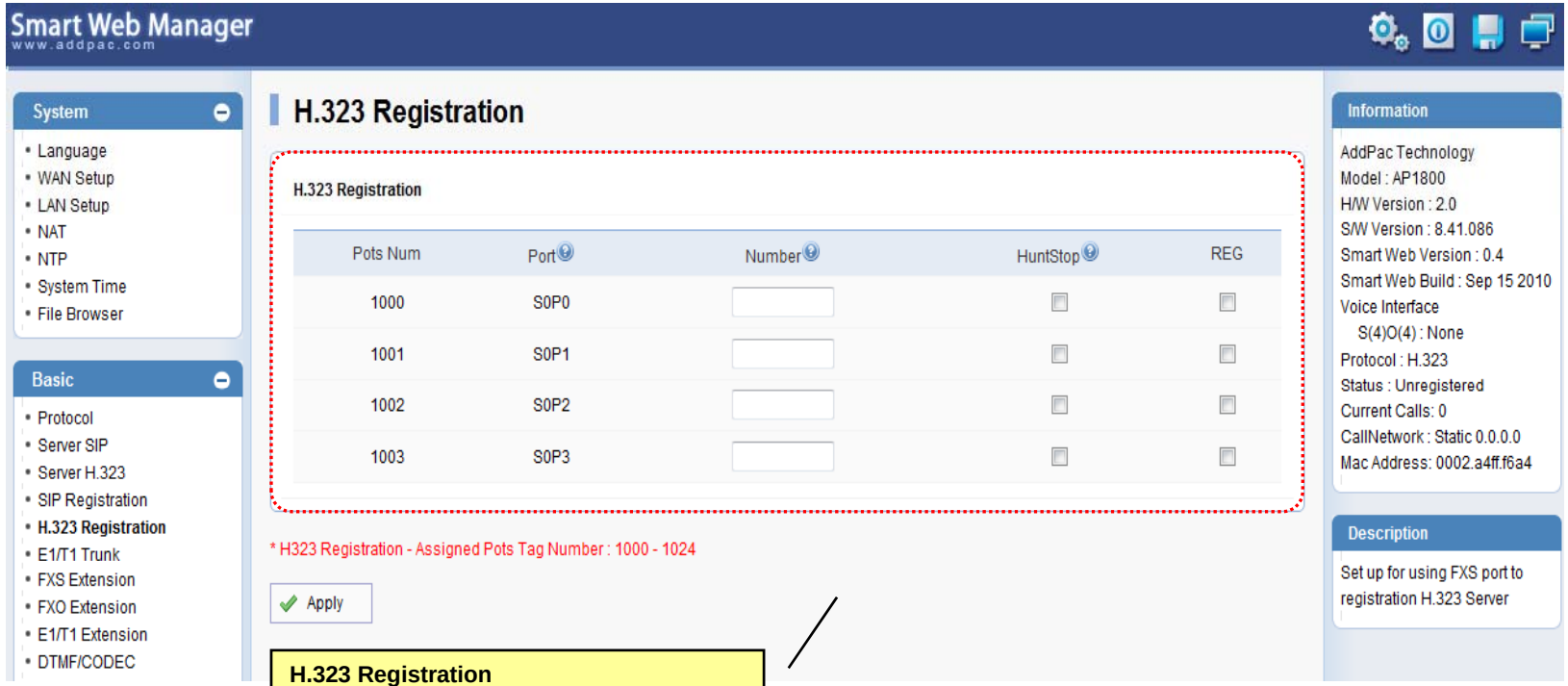
SIP Registration
- E.164 Number
- User Name
- Password
- Display Name
- Hunt Stop
- Registration checking

Basic – H.323 Server



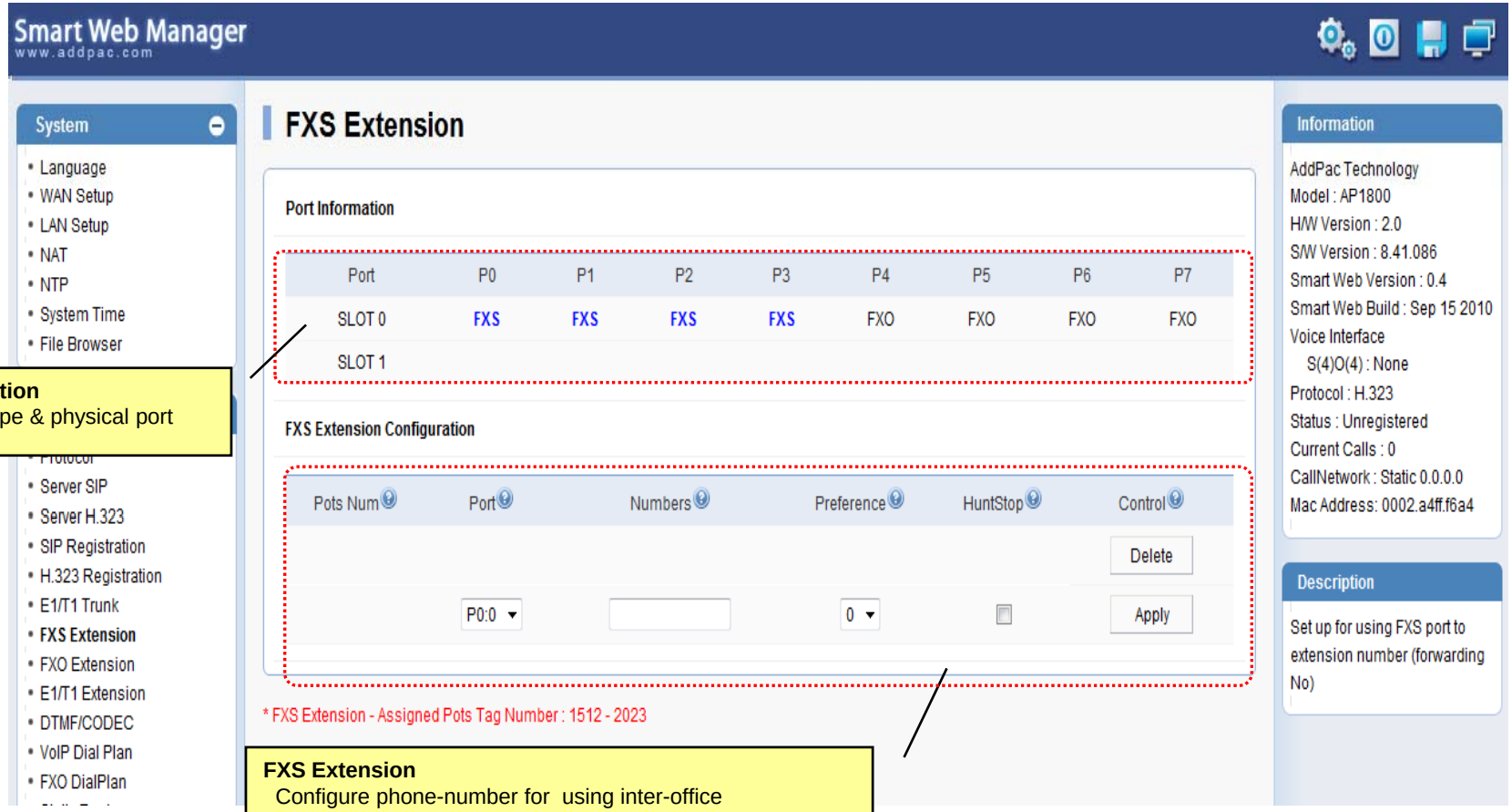
H.323 Server
Primary & Secondary server,
H.323 ID
SIP Signaling Port (reboot necessary)
H.323 Call start mode
H.323 Tunnel mode

Basic – H.323 Registration



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

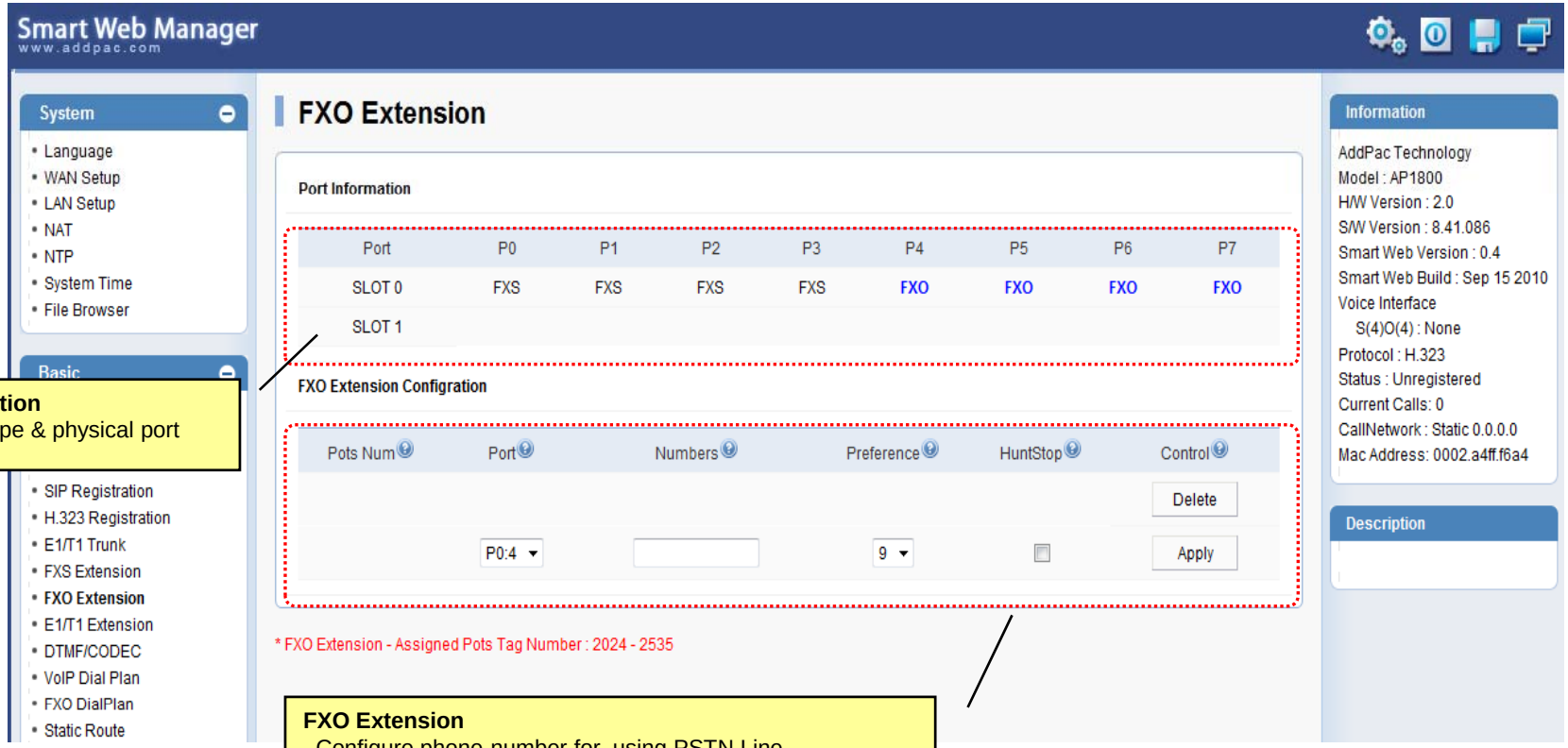
Basic – Analog : FXS Extension



Port Information
voice port type & physical port

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

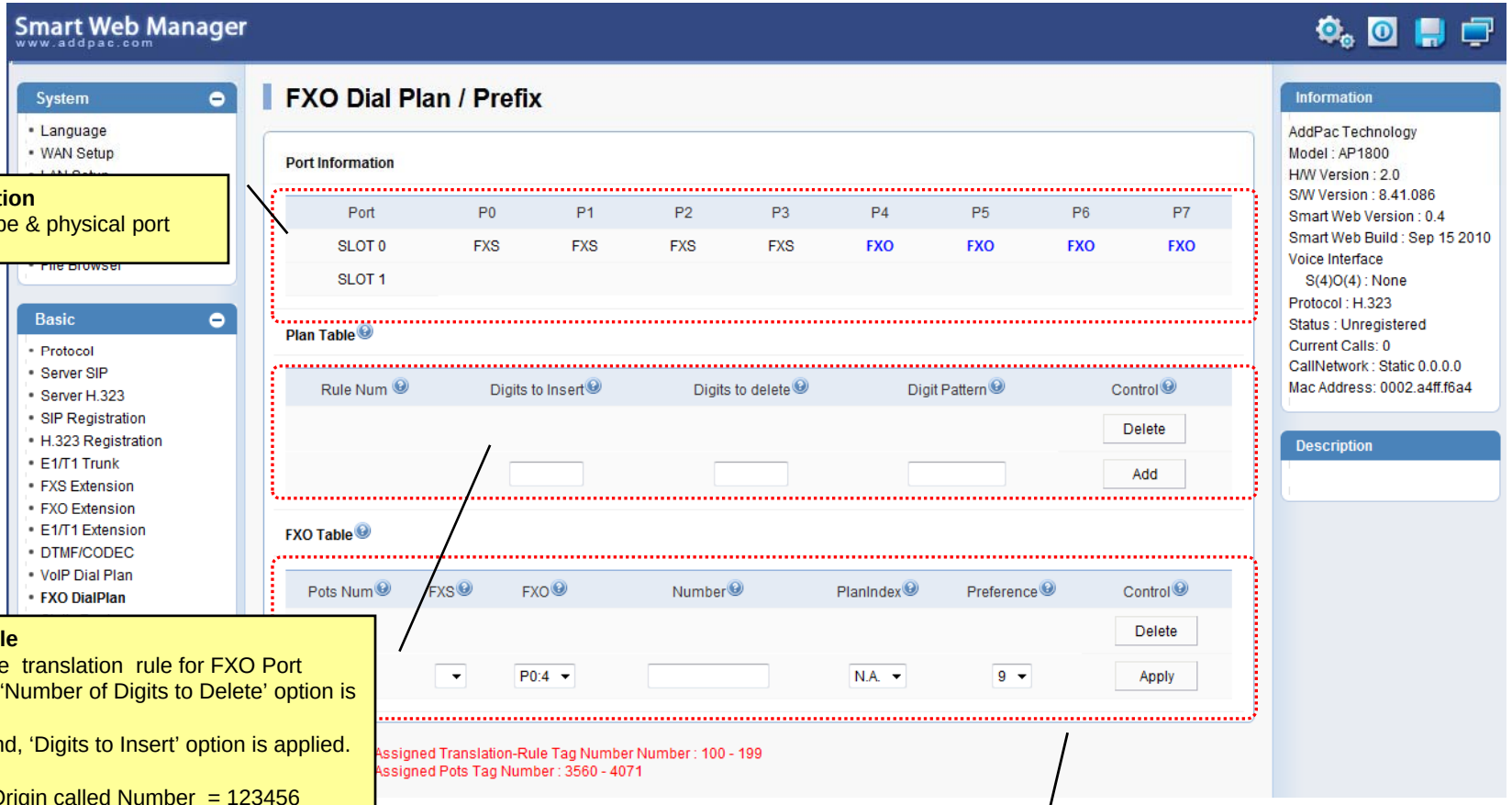
Basic – Analog : FXO Extension



Port Information
voice port type & physical port

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

Basic – Analog : FX0 Dial Plan



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.

Basic – Digital : E1/ T1 Trunk

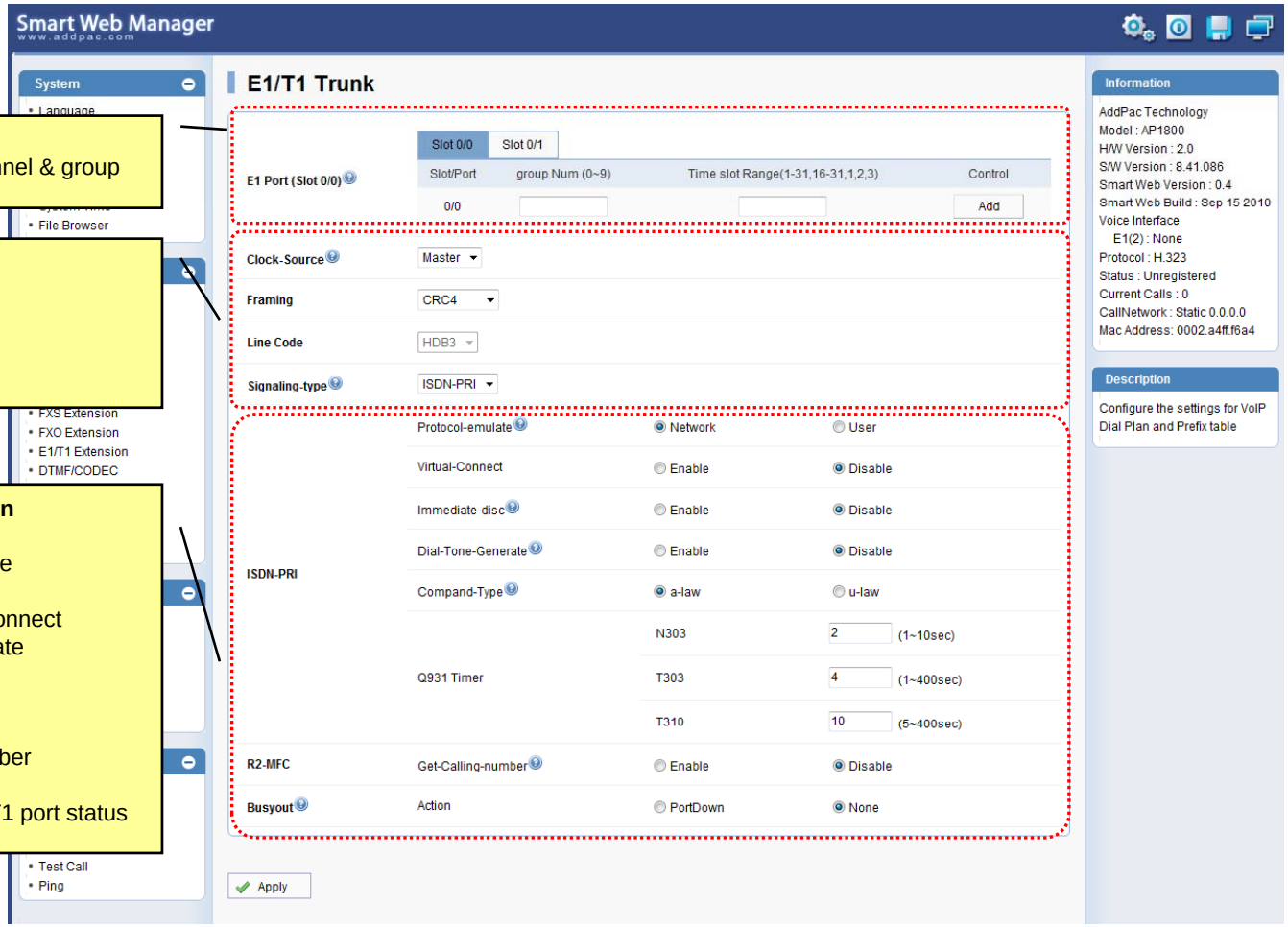
E1/T1 Port
Configure E1 channel & group

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

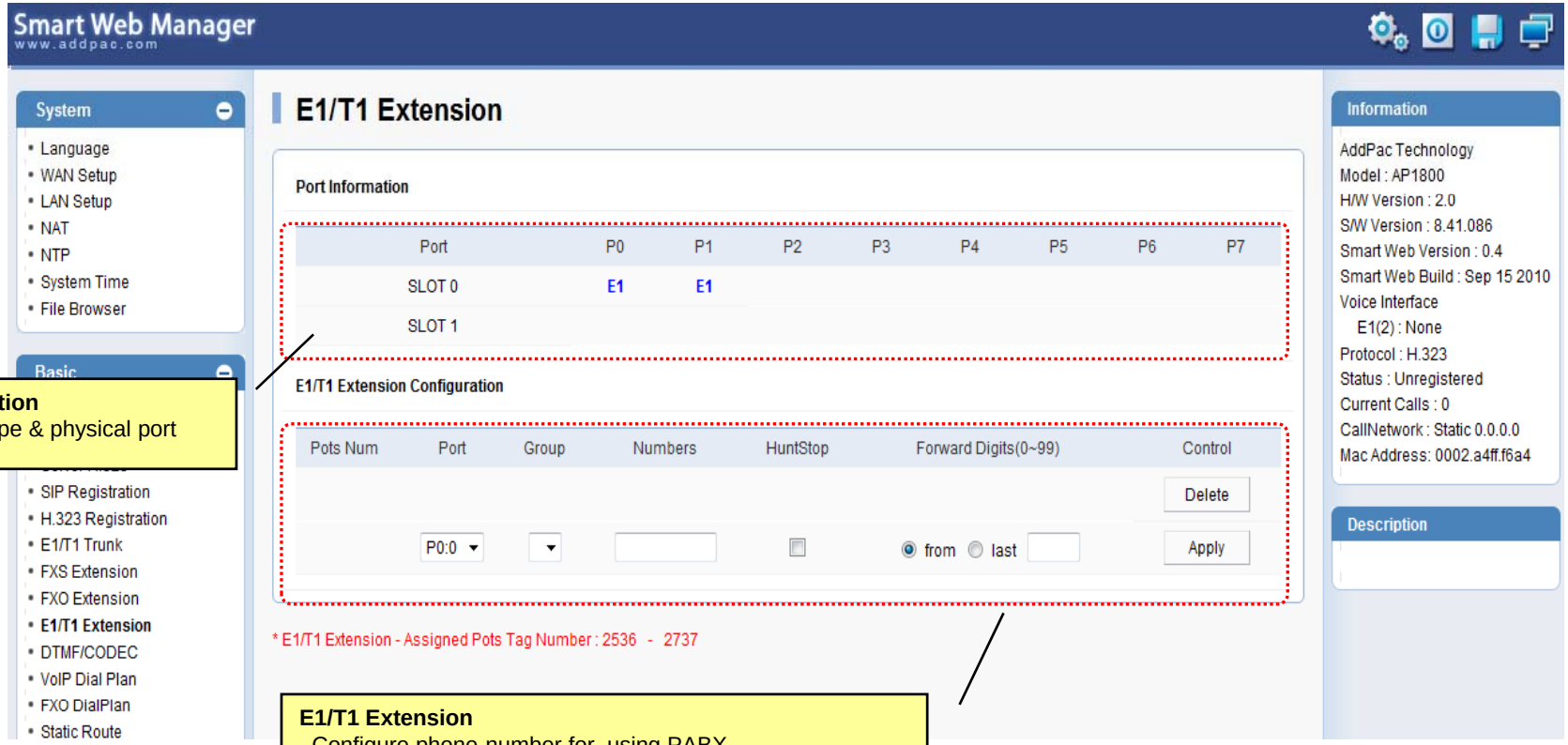
E1/T1Sub function
ISDN-PRI
- Protocol-emulate
- virtual-Connect
- immediate-disconnect
- dial-tone generate
- Compand type
- Q931 Timer

R2-MFC
- Get calling number

Busyout
- monitoring E1/T1 port status



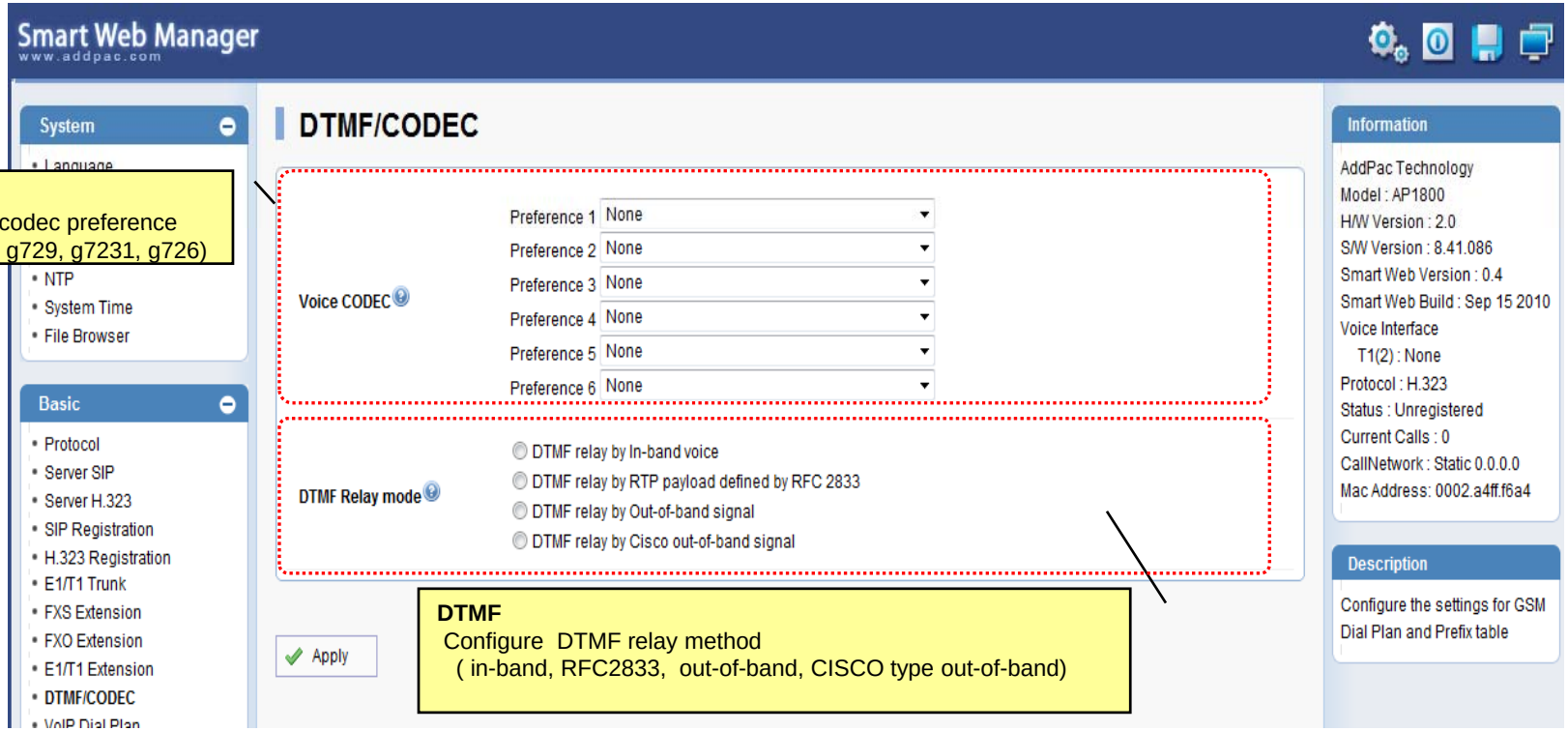
Basic – Digital : E1/ T1 Extension



Port Information
voice port type & physical port

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

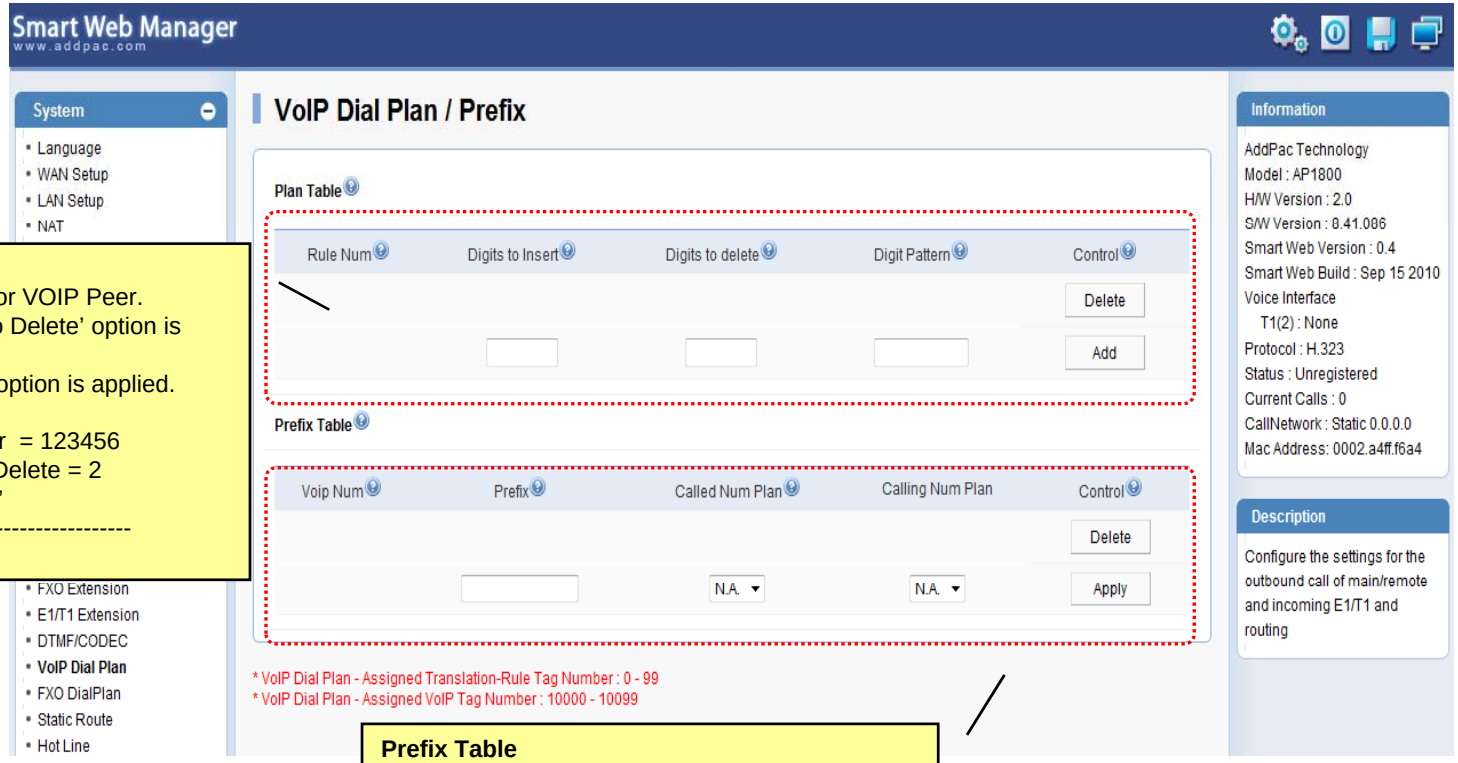
Basic – DTMF/CODEC



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

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

Basic – VoIP Dial Plan

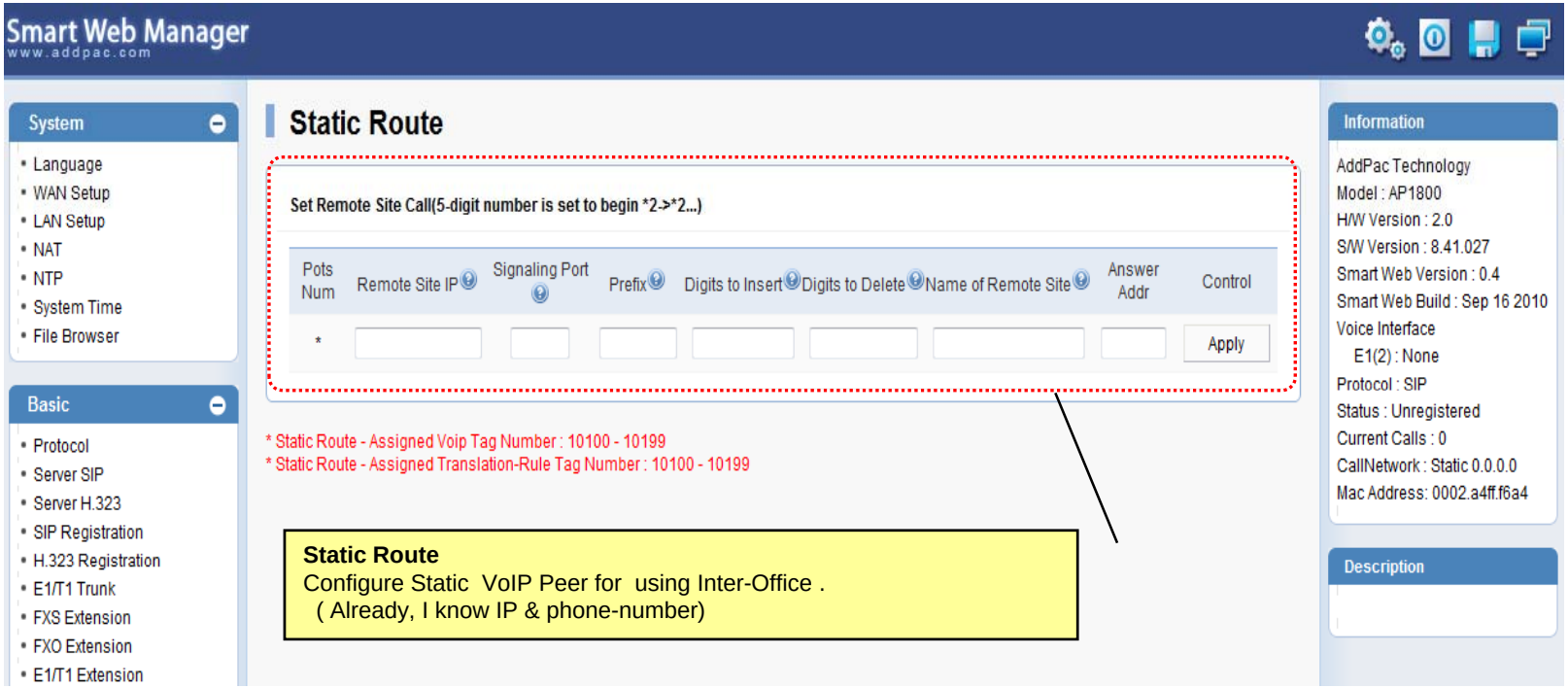


VoIP PLAN
Configure translation rule for VOIP Peer.
- first, 'Number of Digits to Delete' option is applied.
- second, 'Digits to Insert' option is applied.

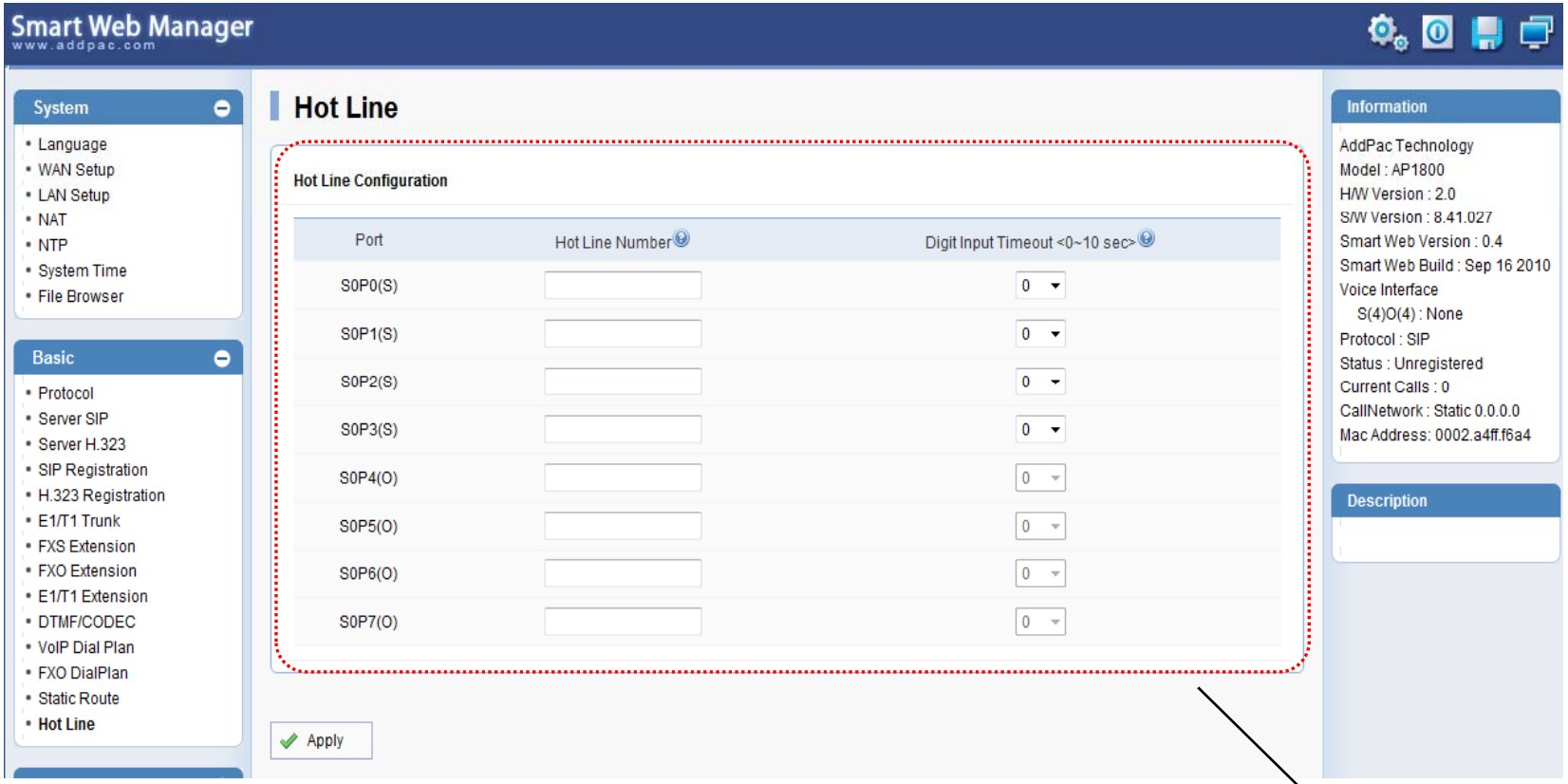
(ex) Origin called Number = 123456
Number of Digits to Delete = 2
Digits to Insert = "88"
---
result = 883456

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

Basic – Static Route

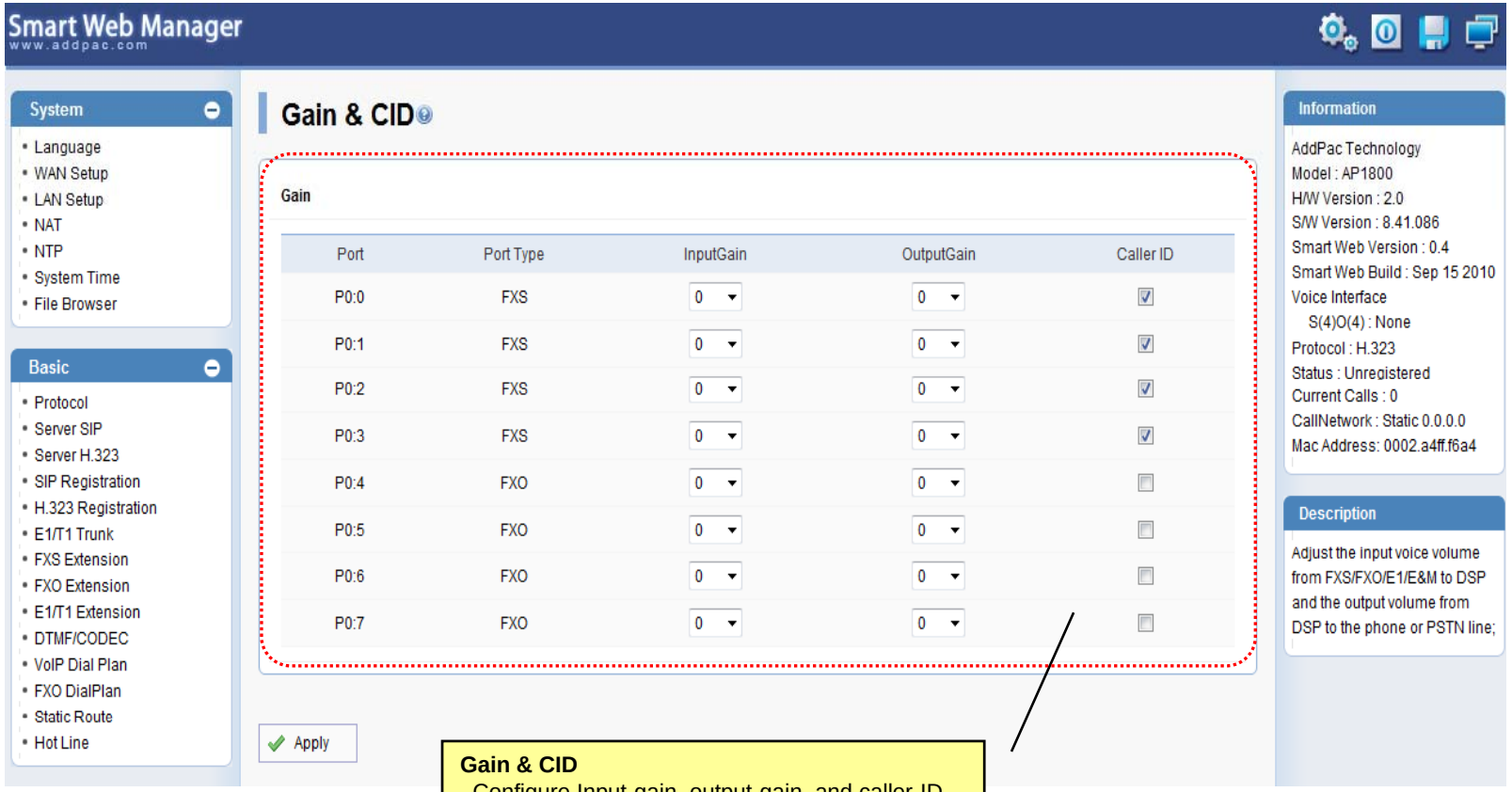


Basic – Hot Line



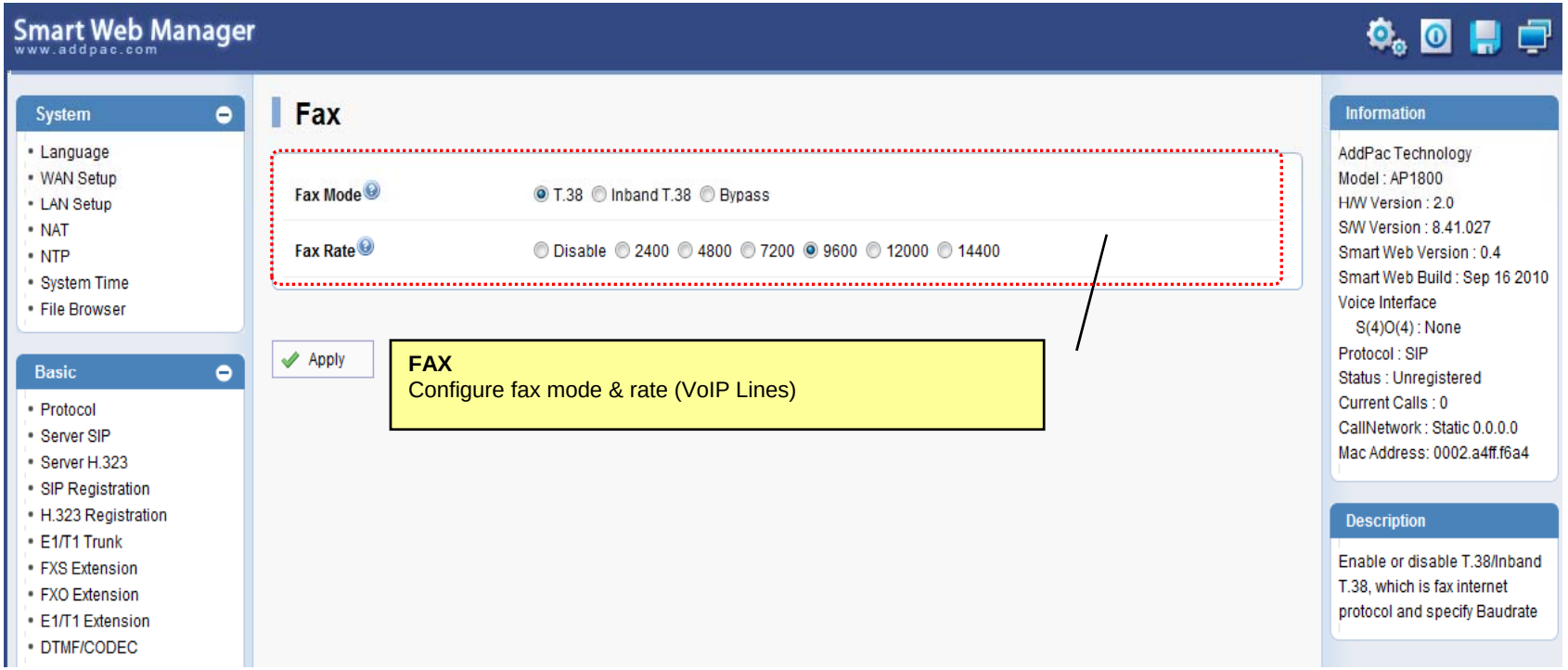
Hot Line
- Used as incoming direct call of FXO port(Connection PLAR)
- Timer (FXS port only : No Digit event is occurred for configured timer value, Auto-Dialing will be started)

Advanced – Gain & CID

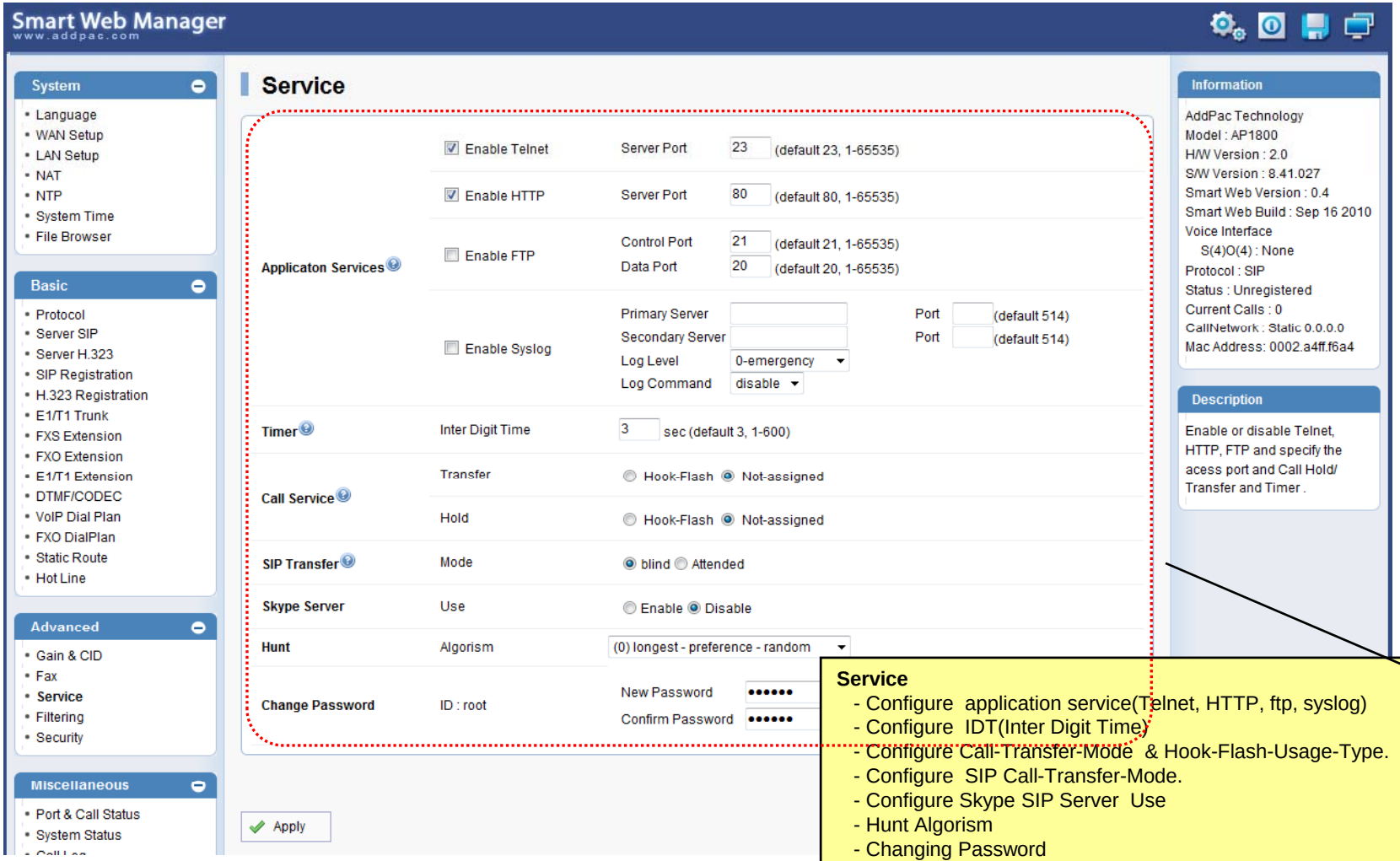


Gain & CID
Configure Input-gain, output-gain and caller-ID.

Advanced - Fax

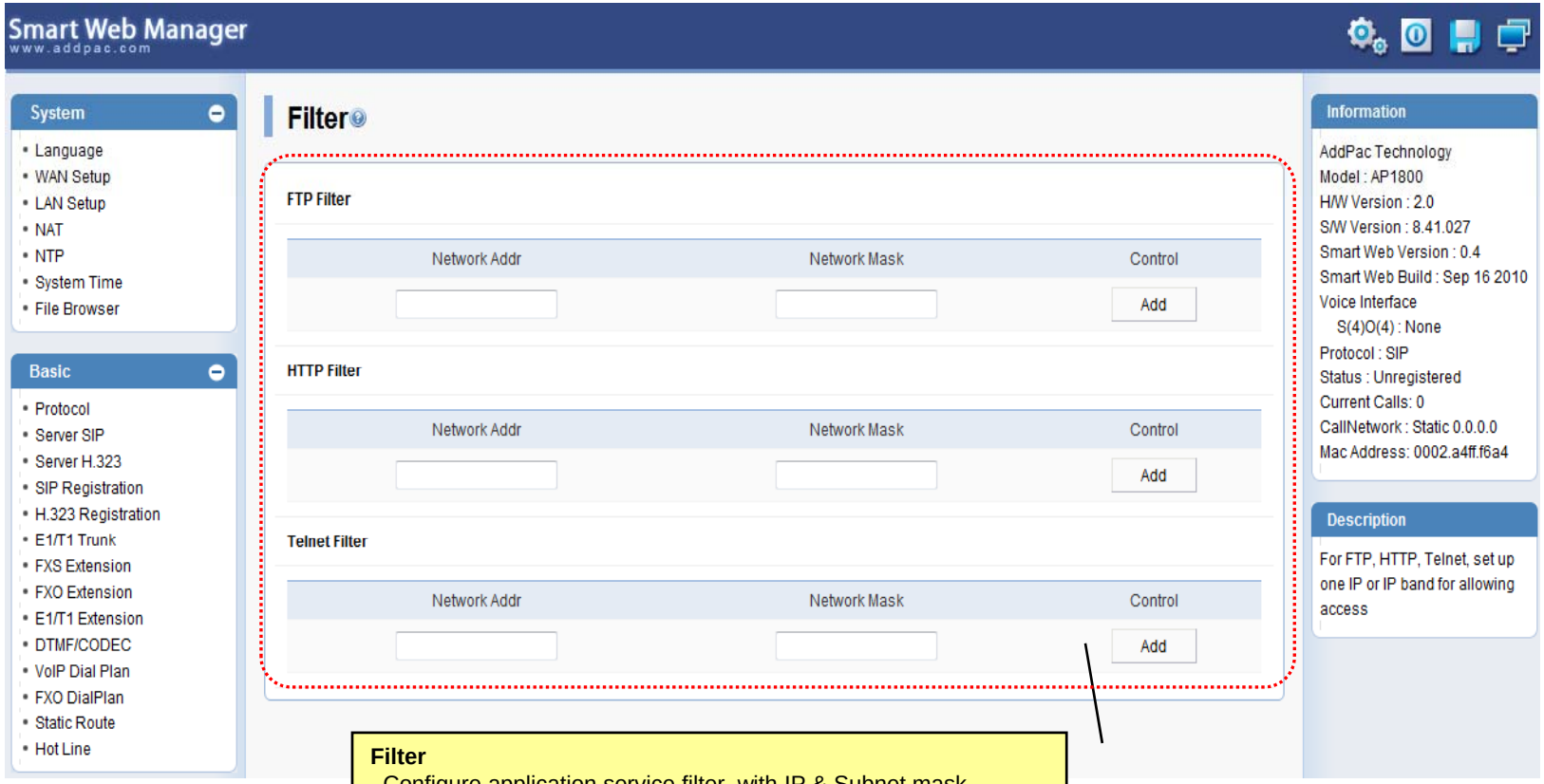


Advanced - Service



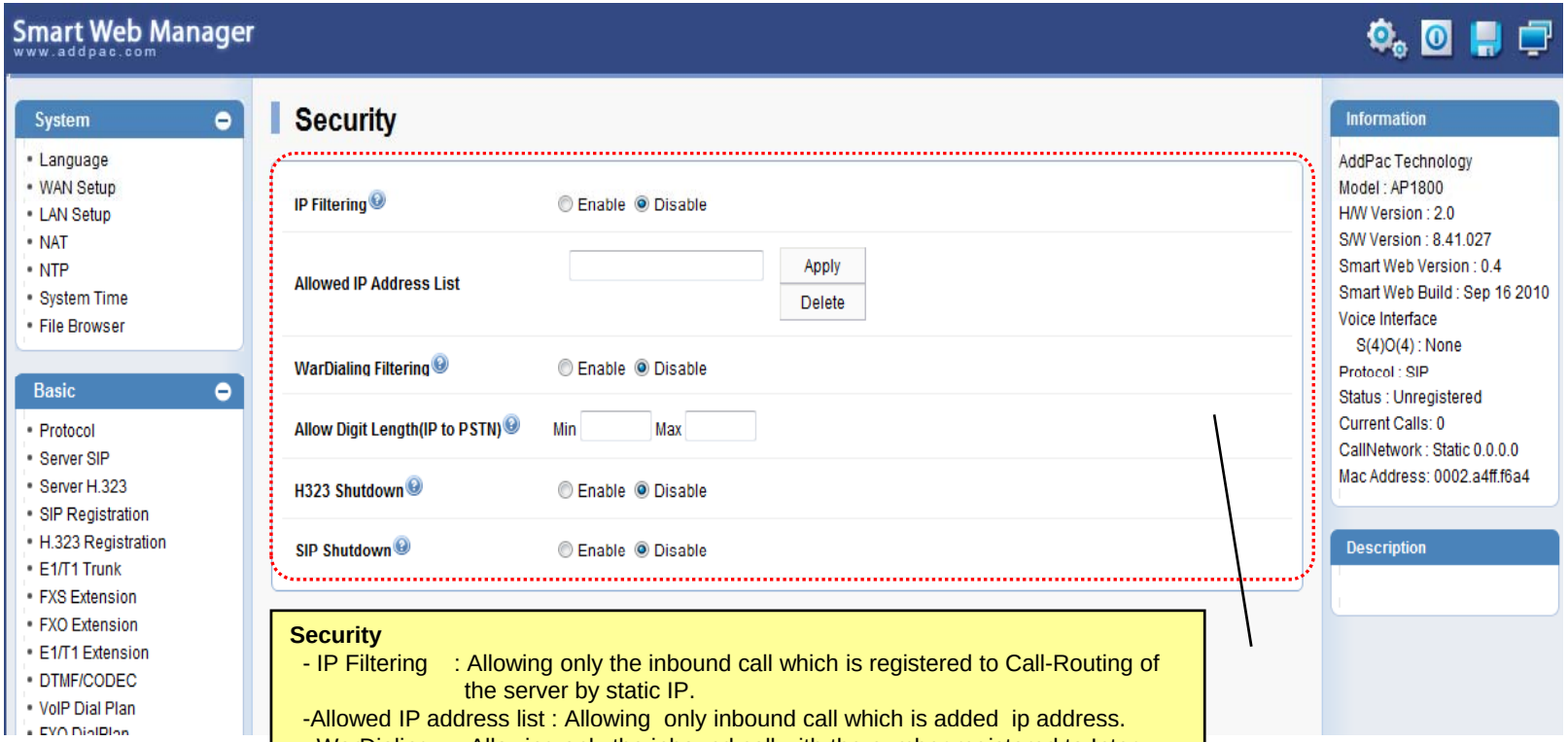
Service
- Configure application service(Telnet, HTTP, ftp, syslog)
- Configure IDT(Inter Digit Time)
- Configure Call-Transfer-Mode & Hook-Flash-Usage-Type.
- Configure SIP Call-Transfer-Mode.
- Configure Skype SIP Server Use
- Hunt Algorism
- Changing Password

Advanced - Filtering



Filter
Configure application service filter with IP & Subnet mask.

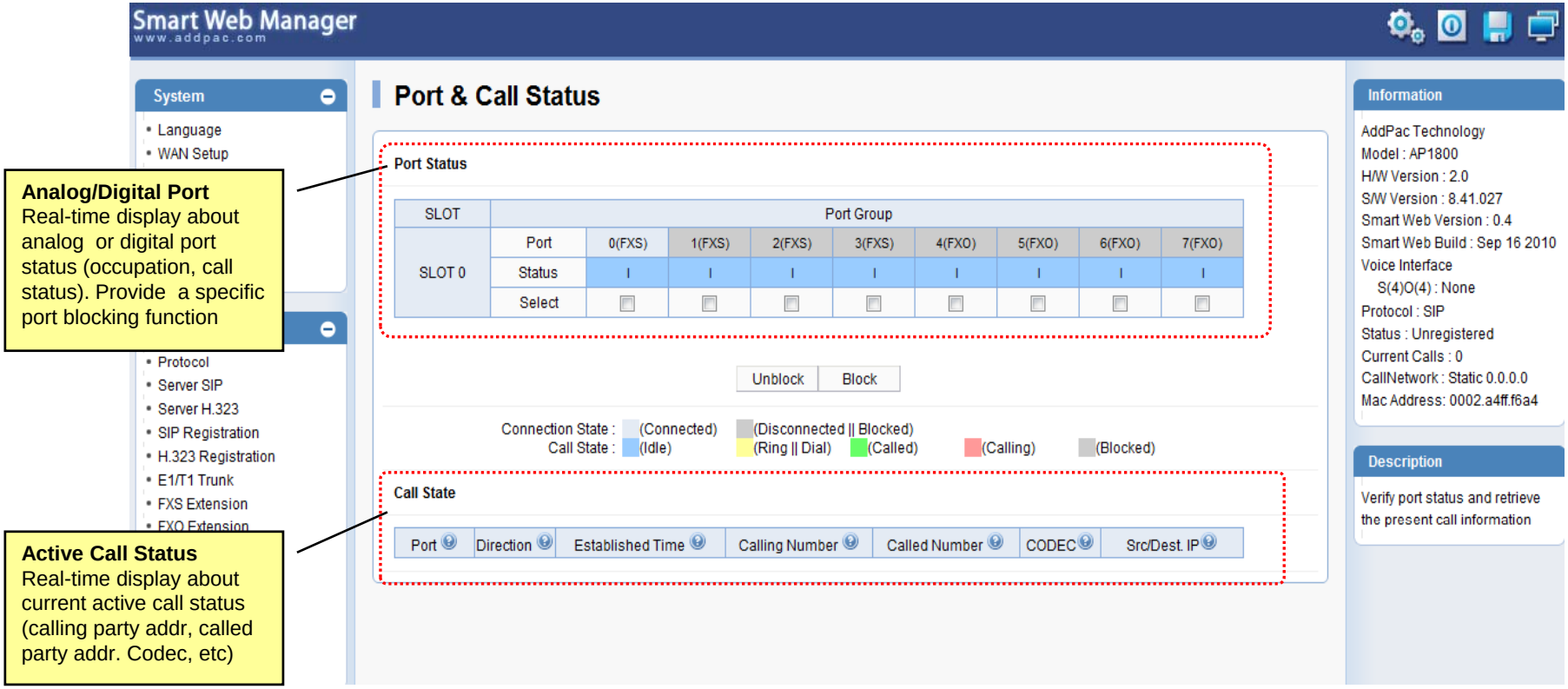
Advanced - Security



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

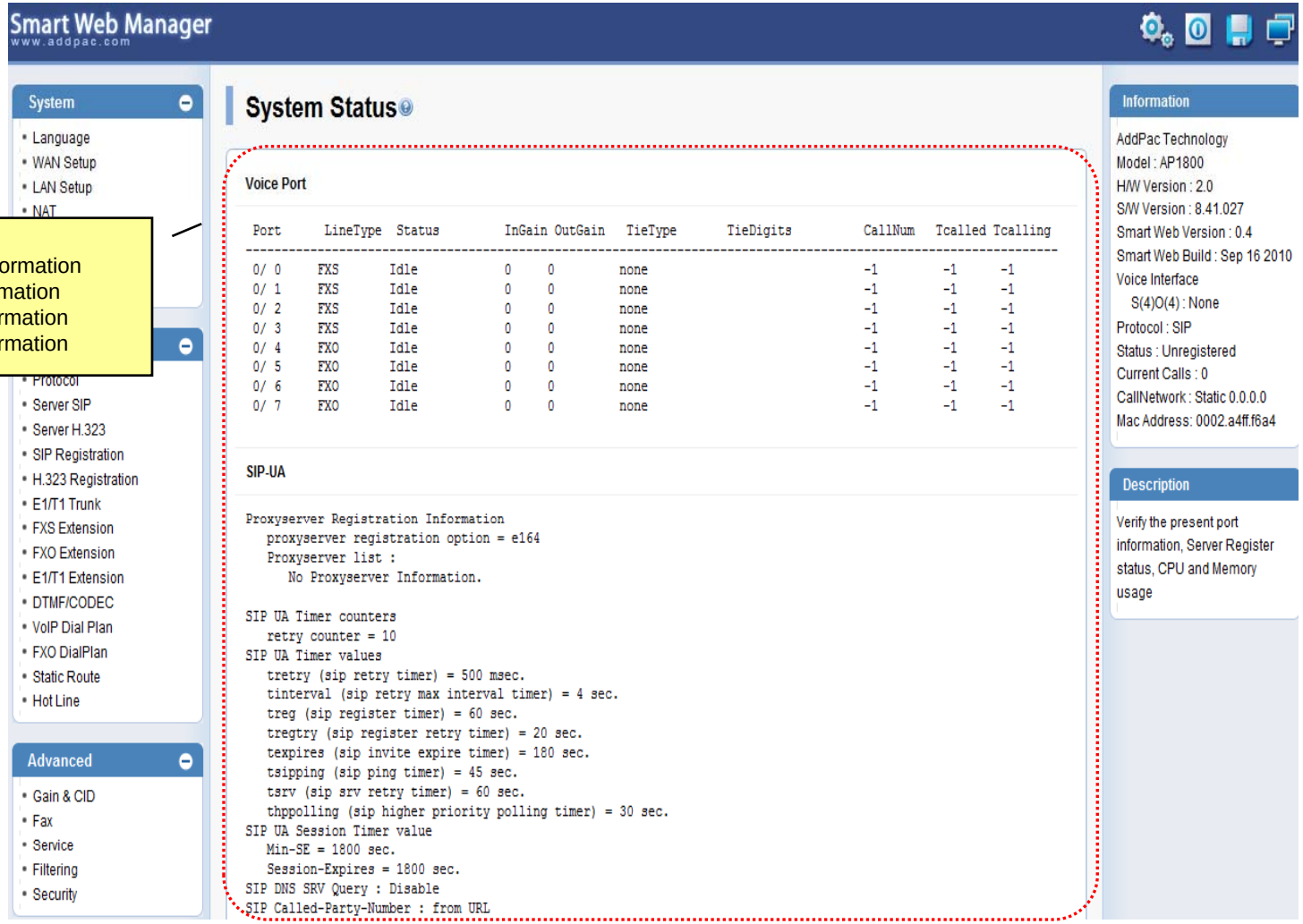


Analog/Digital Port
Real-time display about analog or digital port status (occupation, call status). Provide a specific port blocking function

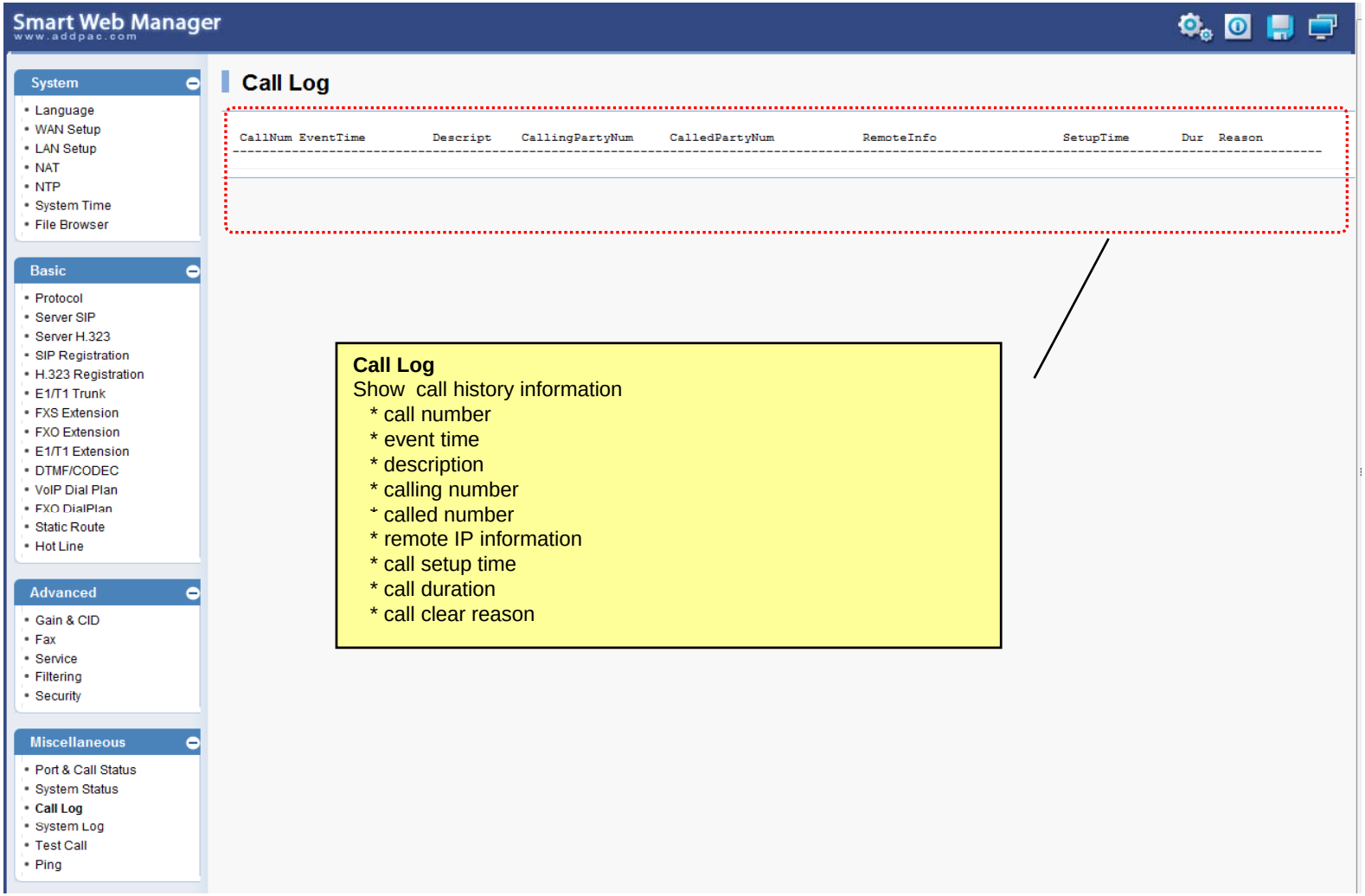
Active Call Status
Real-time display about current active call status (calling party addr, called party addr. Codec, etc)

Miscellaneous – System Status

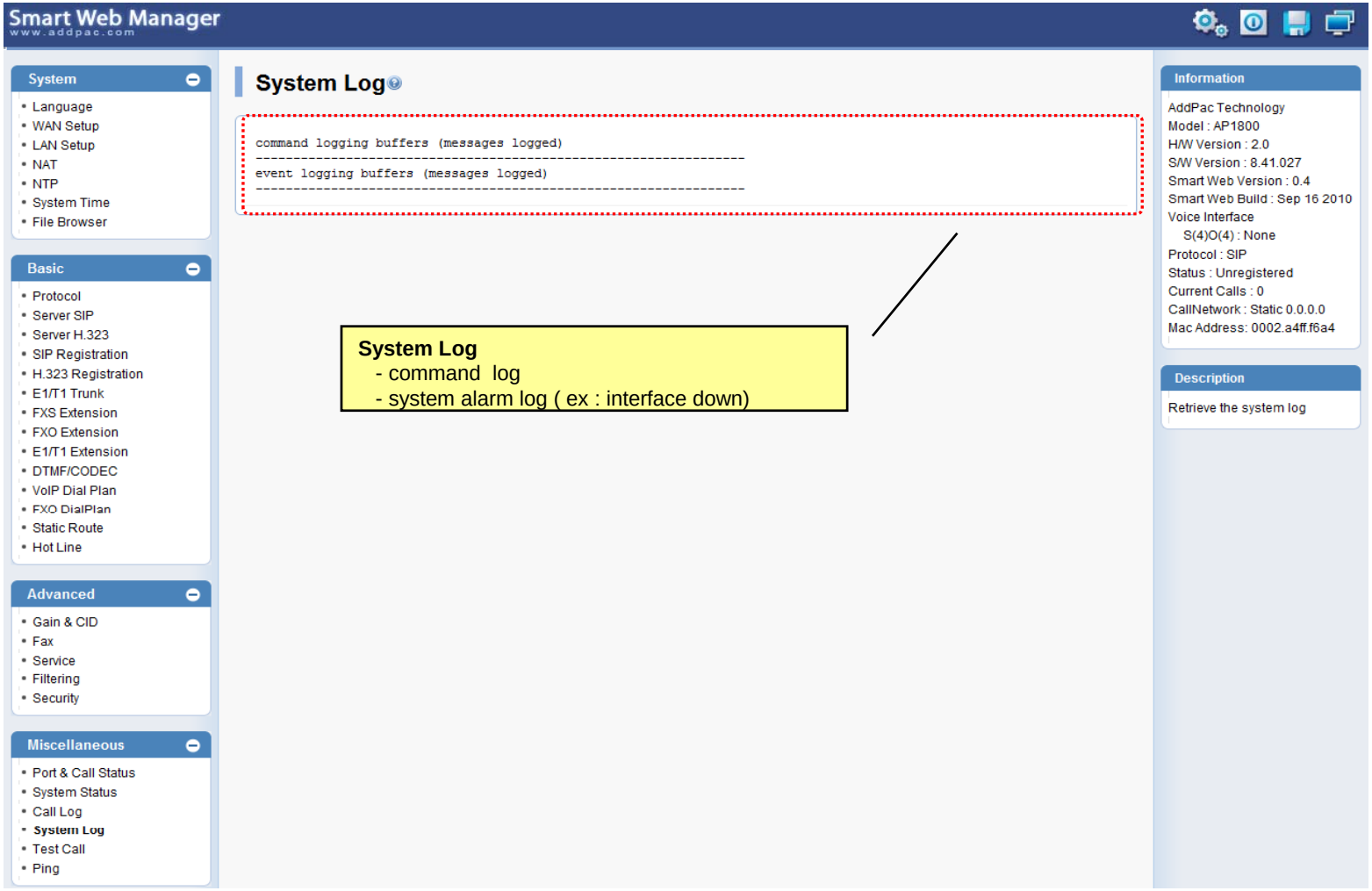
System Status
- voice port status & information
- SIP-UA status & information
- gateway status & information
- system utilization information



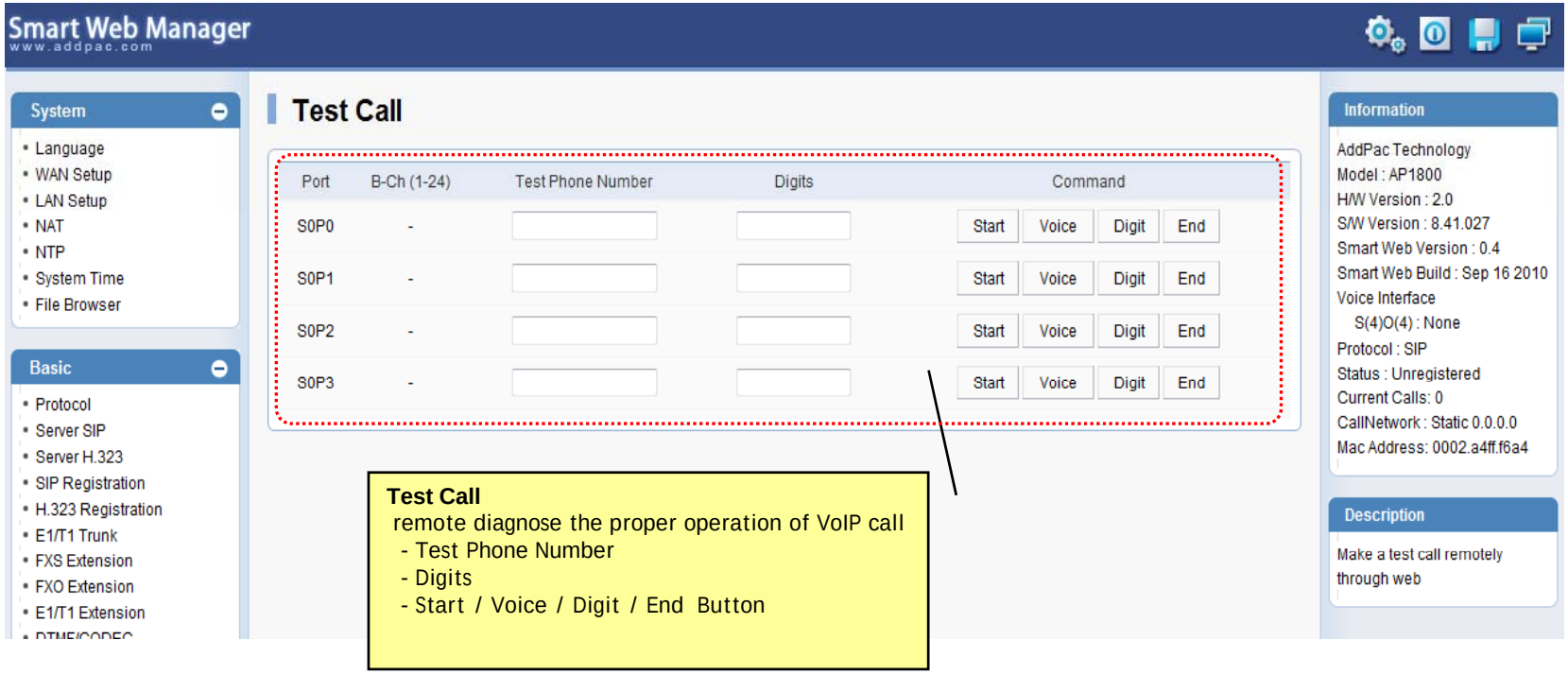
Miscellaneous – Call Log



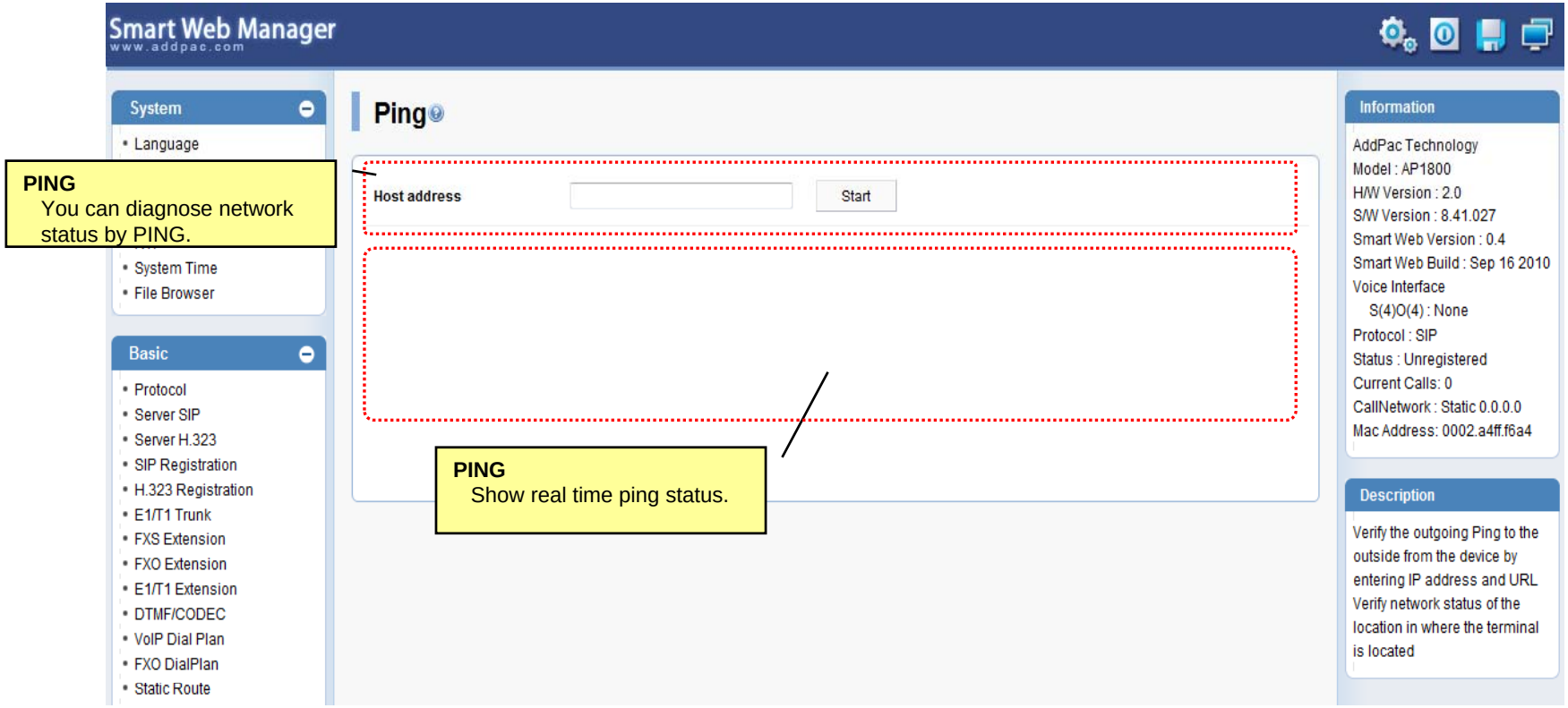
Miscellaneous – System Log



Miscellaneous – Test Call



Miscellaneous - Ping



Thank you!

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