# AP-IP150™
# BcN IP Phone

**High Performance Broadband Convergence Network IP Phone Solution**

# Smart Web based Easy Setup

**AddPac**

**AddPac Technology**

2007, Sales and Marketing

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**AddPac**
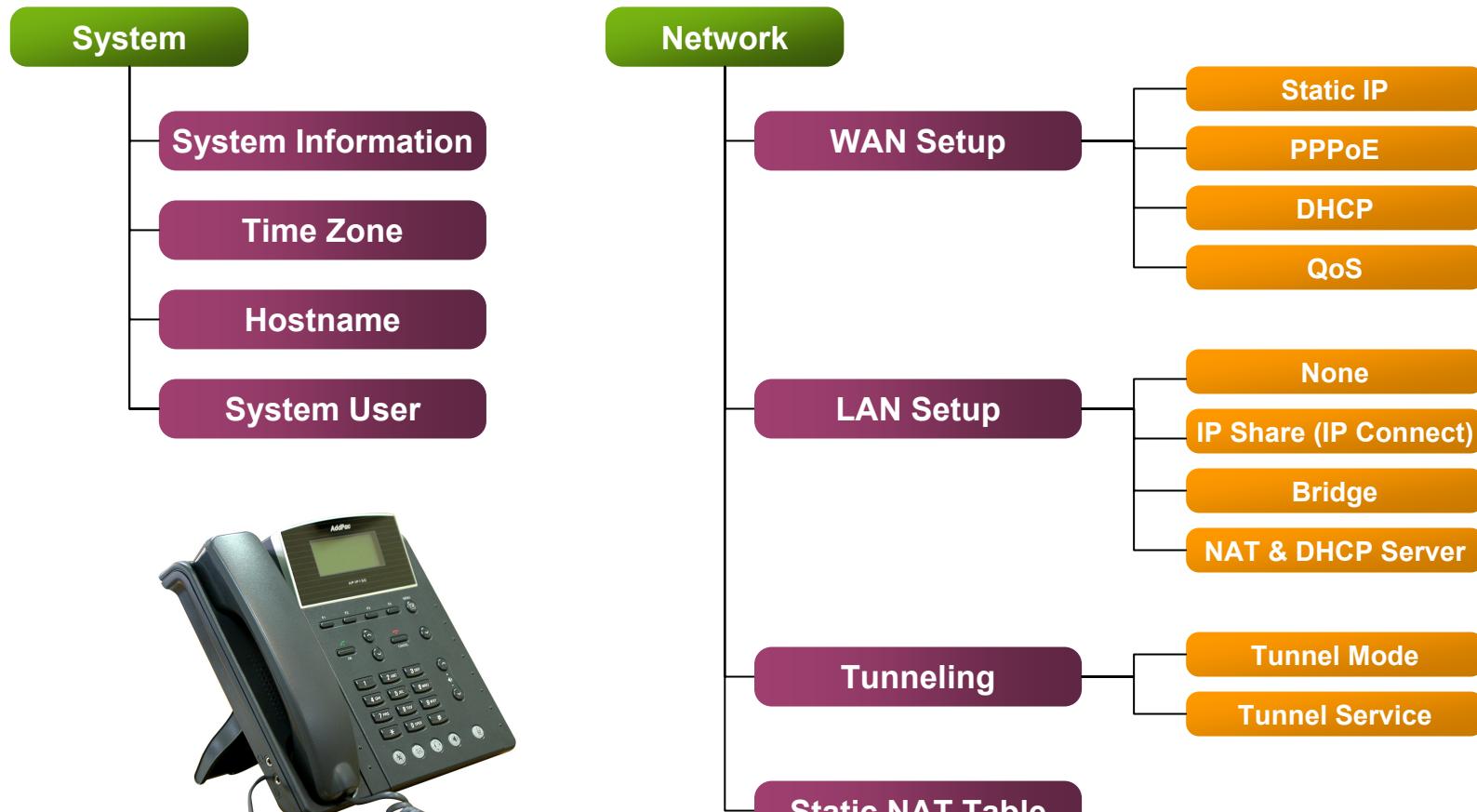
# Web Interface Features

- User-friendly interface
- Support Easy Setup for Basic Configuration
  - System (System Information, Time Zone, System Users)
  - Network (WAN, LAN, Tunneling, Static NAT)
  - SpeedDial
  - VoIP Setup (Common, H.323, SIP, MGCP)
  - Application (Telnet, HTTP, SNMP, Syslog, NTP,STUN)
- Support User Authentication & Service
  - Configuration Save and System reboot
  - Open Virtual Terminal via Telnet
  - Access Control according to user access level
  - Auto-Upgrade (APOS™ Upgrade via HTTP)
  - E-mail
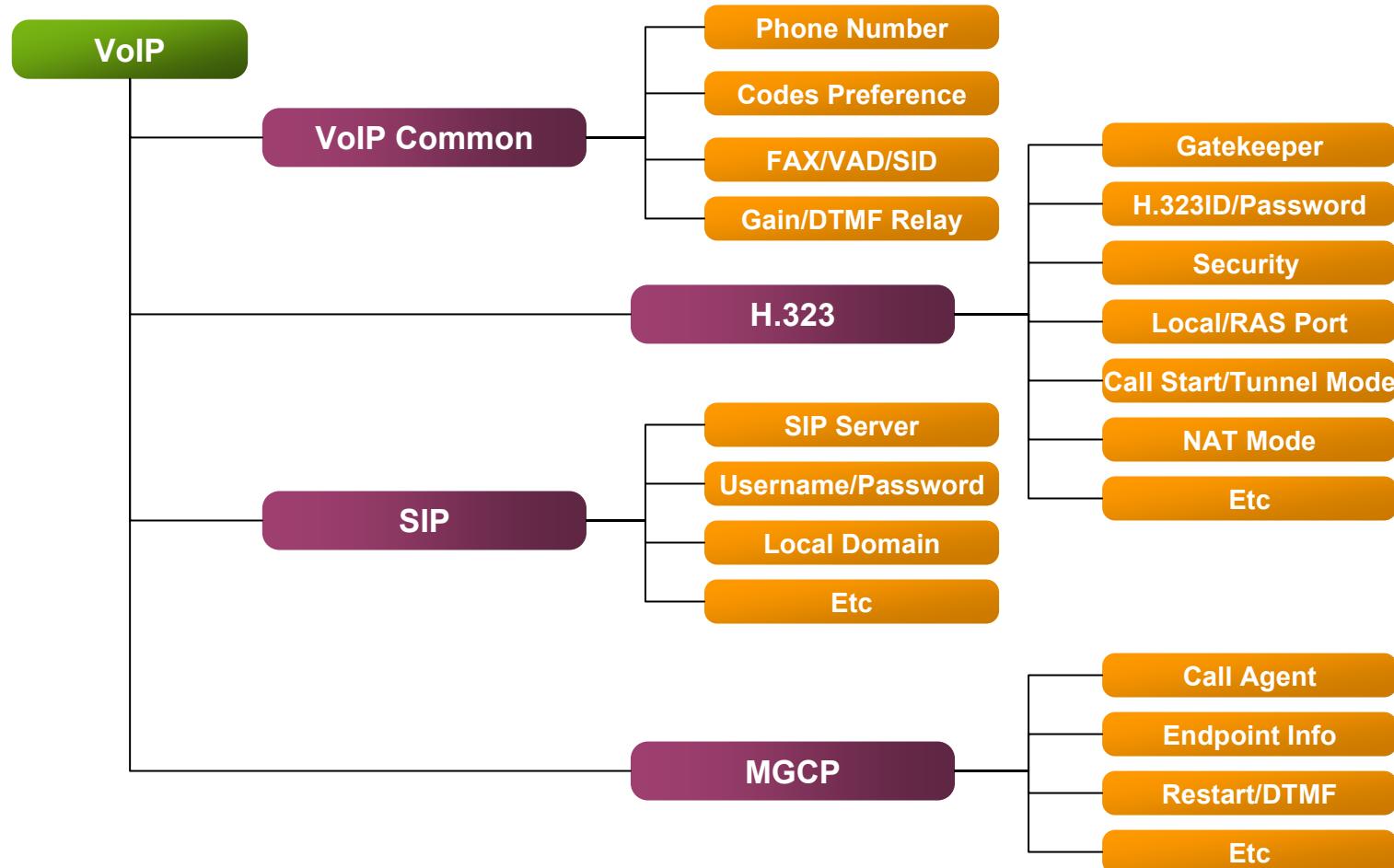
# Web Interface Structure 1/3

## AP-IP150 IP Phone

**System**
- System Information
- Time Zone
- Hostname
- System User

**Network**
- **WAN Setup**
  - Static IP
  - PPPoE
  - DHCP
  - QoS
- **LAN Setup**
  - None
  - IP Share (IP Connect)
  - Bridge
  - NAT & DHCP Server
- **Tunneling**
  - Tunnel Mode
  - Tunnel Service
- **Static NAT Table**

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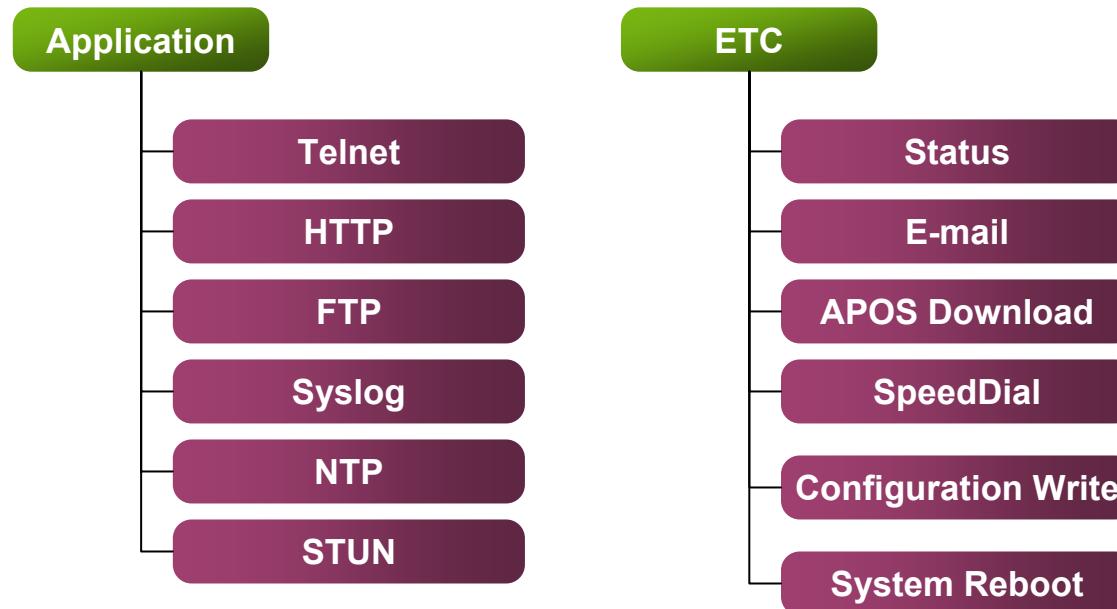
# Web Interface Structure 2/3

## AP-IP150 IP Phone

**VoIP**

**VoIP Common**
- Phone Number
- Codes Preference
- FAX/VAD/SID
- Gain/DTMF Relay

**H.323**
- Gatekeeper
- H.323ID/Password
- Security
- Local/RAS Port
- Call Start/Tunnel Mode
- NAT Mode
- Etc

**SIP**
- SIP Server
- Username/Password
- Local Domain
- Etc

**MGCP**
- Call Agent
- Endpoint Info
- Restart/DTMF
- Etc

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# Web Interface Structure 3/3

## AP-IP150 IP Phone

**Application**
- Telnet
- HTTP
- FTP
- Syslog
- NTP
- STUN

**ETC**
- Status
- E-mail
- APOS Download
- SpeedDial
- Configuration Write
- System Reboot

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# Web based Management

- Welcome Page

- System Information

- Network Setup (WAN Setup)

- Speed-Dial information

- VoIP Common Configuration

- SIP (Session Initiation Protocol)

- MGCP (Media Gateway Control Protocol)

- H.323 (ITU-T H.323 Protocol)

- Auto Upgrade

- APOS™ Upgrade via HTTP

**AddPac**　　　　　　　　　　　　　　　　　　　　**VoiceFinder IP150**

- System
- Network
- Speed Dial
- VoIP
- SIP
- MGCP
- H.323
- Service
- Auto Upgrade
- Status
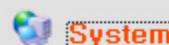
**AP-IP150 IP Phone**

파일(F)  편집(E)  보기(V)  즐겨찾기(A)  도구(T)  도움말(H)

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주소(D) http://172.16.8.114/   이동   연결

# AddPac

# VoiceFinder IP150
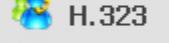
- **System**
- Network
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## System Information

```
APOS(tm) Kernel version 8.41.001
Copyright (c) 1999-2006 AddPac Technology Co., Ltd.

IP150 uptime is 0 days 00:20:42
IP150 current time is Thu Jan  1 00:20:42 1970
System image file is "flash:/ip150_g2_v8_41_001.bin"

IP150_G2 System software Revision 8.41.001
Released at Wed Nov 15 13:20:20 2006
Program is 2630208 bytes, checksum is 0x1484f7df

32BIT RISC Processor With 112MHz Clock
16 Mbytes System Memory.
512 Kbytes System Boot Flash Memory
4 Mbytes System Flash Memory

1 RS232 Serial Console Interface
2 Ethernet/IEEE 802.3 Interface (100BaseTX)
Board Rev 0

Maximum number of mbufs is 512, 255 mbuf is free.
System CPU utilize is 11 percent.
Heap Memory is 16384 kbytes, 16121 kbyes is used, free is 263 kbytes.
```

http://172.16.8.114/svcs/configure/system

**AddPac**    **VoiceFinder IP150**

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## WAN Setup

| | | | | |
|---|---|---|---|---|
| ⦿ | Static IP | IP Address | 172.16.8.114 | A.B.C.D |
| | | Network Mask | 255.255.0.0 | A.B.C.D |
| | | Default Router | 172.16.1.1 | A.B.C.D |
| | | DNS Server | 61.33.161.2 | Primary DNS Server |
| | | | 168.126.63.1 | Secondary DNS Server |

| | | | |
|---|---|---|---|
| ○ | PPPoE(ADSL) | Username | |
| | | Password | |
| | | Authentication | ○ None (No Authentication) |
| | | | ○ PAP (PPP Authentication Protocol) |
| | | | ○ CHAP(Challenge Handshake Authentication Protocol) |
| | | Service Name | (optional) |

| | | |
|---|---|---|
| ○ | DHCP | ☐ Enable Auto Renew |
| | | Maximum renew time [    ] (in seconds) |

MAC(Hardware) Address 00 – 02 – a4 – 11 – 22 – 33 MAC address clone, (optional)

☐ Enable QoS (optional)

Qos bandwidth [    ] kbps (default auto, 48-4096)

QoS PPS [    ] pps (default auto, 20-2000)

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**VoiceFinder IP150**

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## Speed Dial Information

| Number | Phone Number | Name | Control |
|--------|--------------|------|---------|
| 1 | 8225683848 | AddPac&Technology&Co.,&Ltd. | delete |
| | | | add |

**System**
**Network**
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## VoIP

- ◉ [SIP(Session Initiation Protocol)](#)
- ○ [MGCP(Media Gateway Control Protocol)](#)
- ○ [H.323(ITU H.323 Protocol)](#)

| | |
|---|---|
| Phone number | [_____] (E.164 number) |
| Preferred voice codec | g711ulaw : G711 u-law Codec Type(64 kbps) ▾ |
| | g711alaw : G711 a-law Codec Type(64 kbps) ▾ |
| | g729 : G729 Codec Type(8 kbps) ▾ |
| | g7231r63 : G723.1 Codec Type(6.3 kbps) ▾ |
| Enable Call waiting | ◉ No ○ Yes |
| Fax Mode | ◉ T.38 ○ inband T.38 ○ bypass |
| Fax Rate(bps) | ○ 9600 ○ 2400 ○ 4800 ○ 7200 ○ 12000 ○ 14400 ◉ disable |
| Enable Caller ID | ◉ No ○ Yes |
| Enable Vad | ◉ Yes ○ No |
| Enable Sid | ◉ Yes ○ No |
| Input Gain | [0] (default 0, between −18 to 9) |
| Output Gain | [0] (default 0, between −18 to 9) |
| | ◉ Default(Inband) |
| | ○ via RTP(RFC2833) |
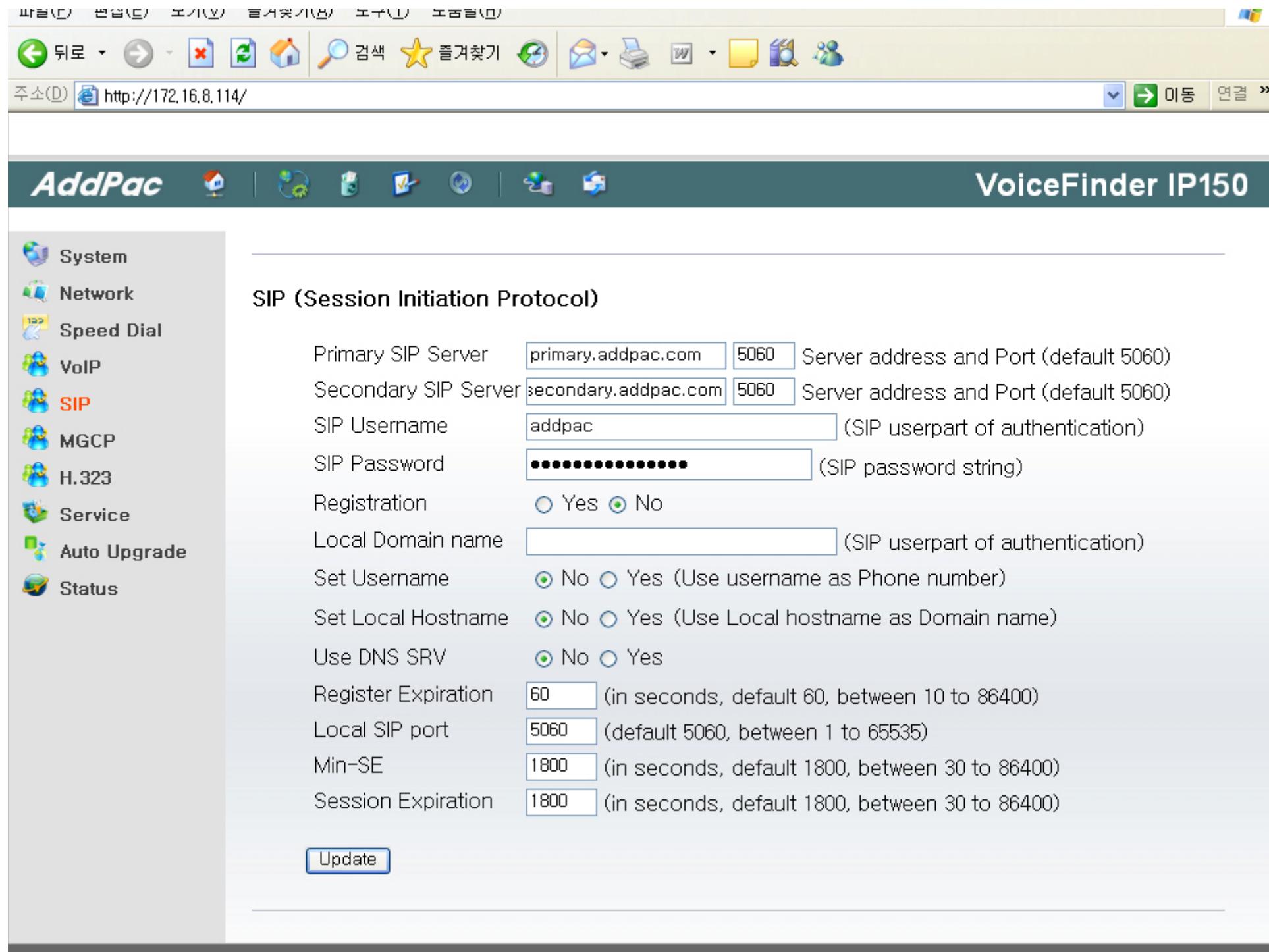
*AddPac*                                    **VoiceFinder IP150**

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## SIP (Session Initiation Protocol)

| | | |
|---|---|---|
| Primary SIP Server | `primary.addpac.com` `5060` | Server address and Port (default 5060) |
| Secondary SIP Server | `secondary.addpac.com` `5060` | Server address and Port (default 5060) |
| SIP Username | `addpac` | (SIP userpart of authentication) |
| SIP Password | `●●●●●●●●●●●●●●●` | (SIP password string) |
| Registration | ○ Yes ◉ No | |
| Local Domain name | | (SIP userpart of authentication) |
| Set Username | ◉ No ○ Yes | (Use username as Phone number) |
| Set Local Hostname | ◉ No ○ Yes | (Use Local hostname as Domain name) |
| Use DNS SRV | ◉ No ○ Yes | |
| Register Expiration | `60` | (in seconds, default 60, between 10 to 86400) |
| Local SIP port | `5060` | (default 5060, between 1 to 65535) |
| Min-SE | `1800` | (in seconds, default 1800, between 30 to 86400) |
| Session Expiration | `1800` | (in seconds, default 1800, between 30 to 86400) |

[Update]

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**VoiceFinder IP150**

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## MGCP (Media Gateway Control Protocol)

**Endpoint Local name** `0` / `0` / `____`
(default 0/0, set local name of endpoint)

**Endpoint Domain name** `IP150` (IP address or domain name)

**Primary Call agent** `ca1.addpac.com` `2427` Server address and Port (default 2427)

**Secondary Call agent** `ca2.addpac.com` `2427` Server address and Port (default 2427)

**MGCP Enable** ○ Yes ⊙ No

**Restart Delay** `0` (default 0, between 0 to 20)

**Local Lingback tone play** ⊙ No ○ Yes (if "Yes", it forced toplay local ringback tone toner)

**DTMF Relay mode**
⊙ Default(Inband)
○ via RTP(RFC2833)
○ via Signal(out-of-band)
○ Dual(both RTP & Signal)

[Update]

## AddPac    VoiceFinder IP150

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## H.323 (ITU H.323 Protocol)

| | | | |
|---|---|---|---|
| Primary Gatekeeper | gk1.addpac.com | 1719 | Server address and Port (default 1719) |
| Secondary Gatekeeper | gk2.addpac.com | 1719 | Server address and Port (default 1719) |
| H.323 ID | voip.172.16.8.114 | | (H.323 Identifier string) |
| H.323 Password | ●●●●●●●●●●●● | | (H.323 password string) |

Security Option        ⦿ Enable with MD5 ○ Enable with MAC ○ Disable

H.323 Technical Prefix    [                    ] ([0-9#*] gatekeeper registered prefix)

Registration        ○ Yes ⦿ No

Local H.323 port    1720    (default 1720, between 1 to 65535)

H.323 RAS port    22000    (fixed the RAS source port, between 1 to 65535)

Register Expiration    60    (in seconds, default 60, between 10 to 86400)

H.323 Call start mode    ⦿ Fast ○ Slow ○ Prefered slow

H.323 Tunnel mode    ⦿ Enable ○ Disable

Keep Registration    ⦿ No ○ Yes  (Keep Registration on rejected gakekeeper)

NAT Support Method    ⦿ No ○ With LCF

[ Update ]

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## Application Service

☑ Enable Telnet  Server Port [23]  (default 23, 1–65535)
☑ Enable HTTP  Server Port [80]  (default 80, 1–65535)

☑ Enable FTP
  Control Port [21]  (default 21, 1–65535)
  Data Port [20]  (default 20, 1–65535)

☑ Enable Syslog
  Log Server [172.16.1.22]  [    ] Primary Log Server address and Port (default 514)
  Log Server [172.18.1.43]  [    ] Secondary Log Server address and Port (default 514)
  Log Level [0-emergency ▼]

☑ Enable NTP
  NTP Server [time.bora.net]  Primary NTP Server (Hostname or A.B.C.D)
  NTP Server [            ]  Secondary NTP Server (Hostname or A.B.C.D)
  Interval [    ]  NTP time resynchronize interval, in hour (default 24 hours)
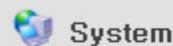
☐ Enable STUN
  STUN Server [            ]  [3478] STUN Server address and Port (default 3478)

[Update]

**AddPac** | **VoiceFinder IP150**
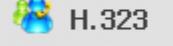
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## Auto Upgrade

| | | |
|---|---|---|
| URL | http://download.addpac.com/AP150/packing.lst | (auto upgrade server URL) |
| Login | addpac | (optional) |
| Password | •••••••••• | (optional) |

Authentication  ○ Basic  ● Digest (MD5)

Interval
Success `1` Days `0` Minutes
Retry `0` Minutes

Auto Reboot ☑ (reboot system when upgrade is finished)

[ Update ]

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주소(D)  http://172.16.8.114/  이동  연결 »

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## Upload IP150 S/W

Filename (*.bin):  [          ]  찾아보기...  upload

http://172.16.8.114/upload/spec

# AP-IP150 IP Phone

# Thank you!

**AddPac Technology Co., Ltd.**
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