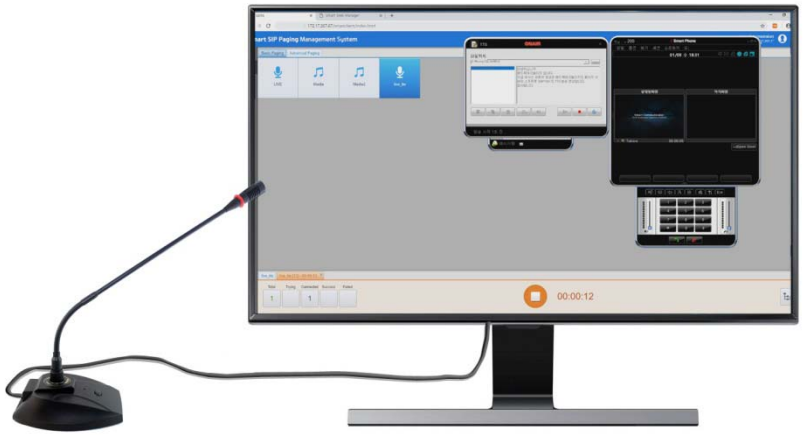
AP-SPCS
SIP Paging Client Software

High-performance Next Generation SIP Paging Client Solution





Product Overview

(Without notice, following described technical spec. can be changed)

AddPac Technology

Sales and Marketing

www.addpac.com

Contents

- SPCS Product Overview
- OSD Example
- SIP Paging Server (Ex : AP-SIP180)
- SIP IP Phone for Paging Service
- SIP Paging Terminals
- SIP Paging Server Service Diagram
- Paging Scenario & Service Features
- SIP Paging Management Software (SPMS) Overview
- Ordering Information

Product Overview

AP-SPCS SIP Paging Client Software

- SIP Paging Client Terminal Solution
- MS-Window based SIP Paging Source Terminal
- Various Voice (G.711,G.726, etc) Support
- Click to Dialing Support
- High Quality G.722(16KHz) Voice Codec Support (Option)
- Various TTS Engine Support (Window TTS Engine Default, 3’rd Party TTS Engine Support)
- TTS Speed, Volume, Paging Start/Stop Guard Margin, Pre Listening
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Voice Paging Solution with Outstanding Network Service Capability

SPCS OSD Overview for TTS Paging Service

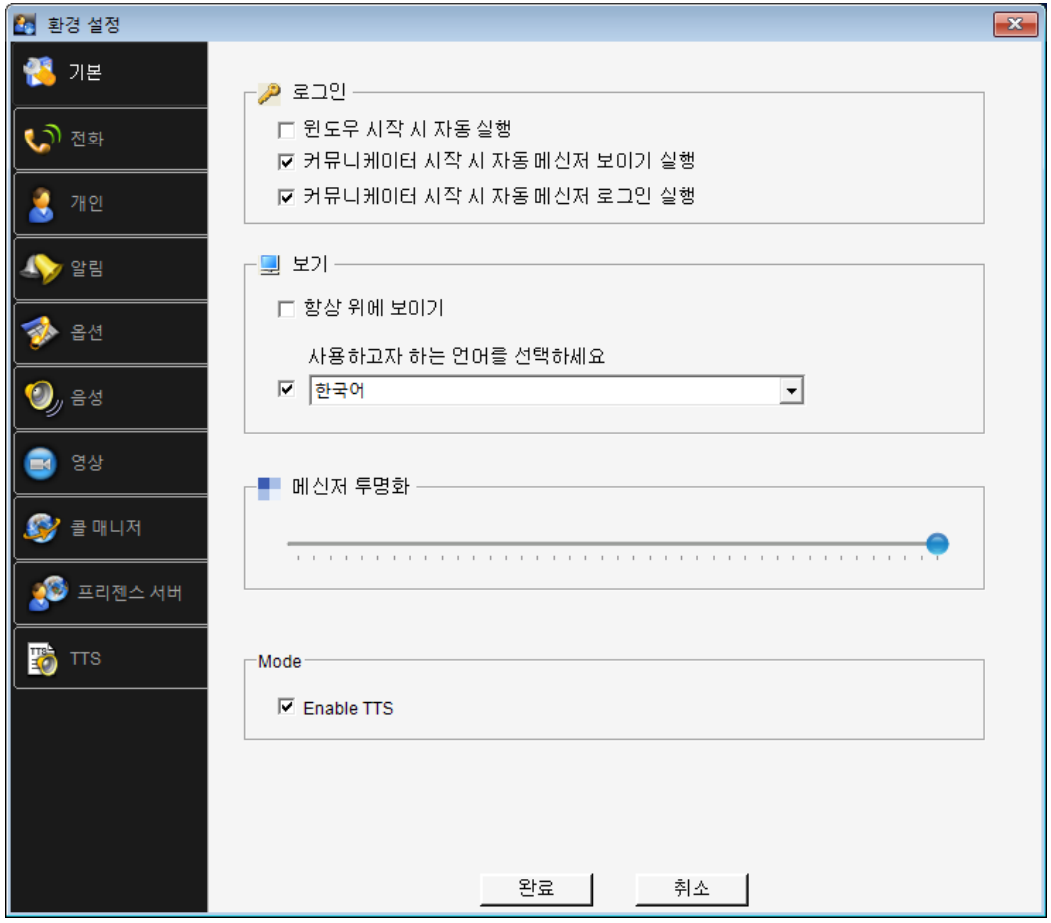
Main View


Smart Communicator
(1900)
test
groupcall001
그룹콜
이용준
메시지함
1900
Smart Phone
파일 옵션 보기 세션 소프트키 도움말
01/08 화 14:39
자기화면
Smart Communicator
S M T W T F S
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31
1 2 3
4 5 6
7 8 9
* 0 #

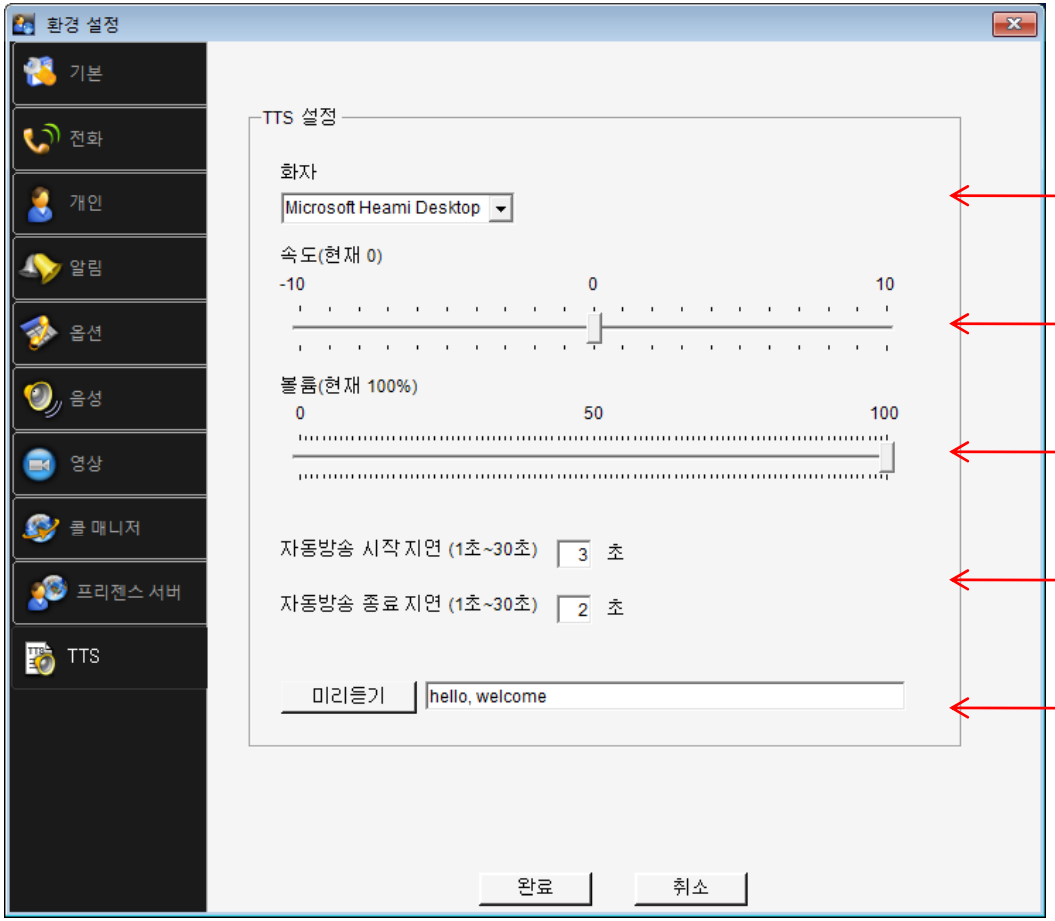
Configuration for TTS Service



Basic Config. : TTS Service Enable



TTS Configuration Menu



TTS Engine Select

TTS Speed

TTS Volume

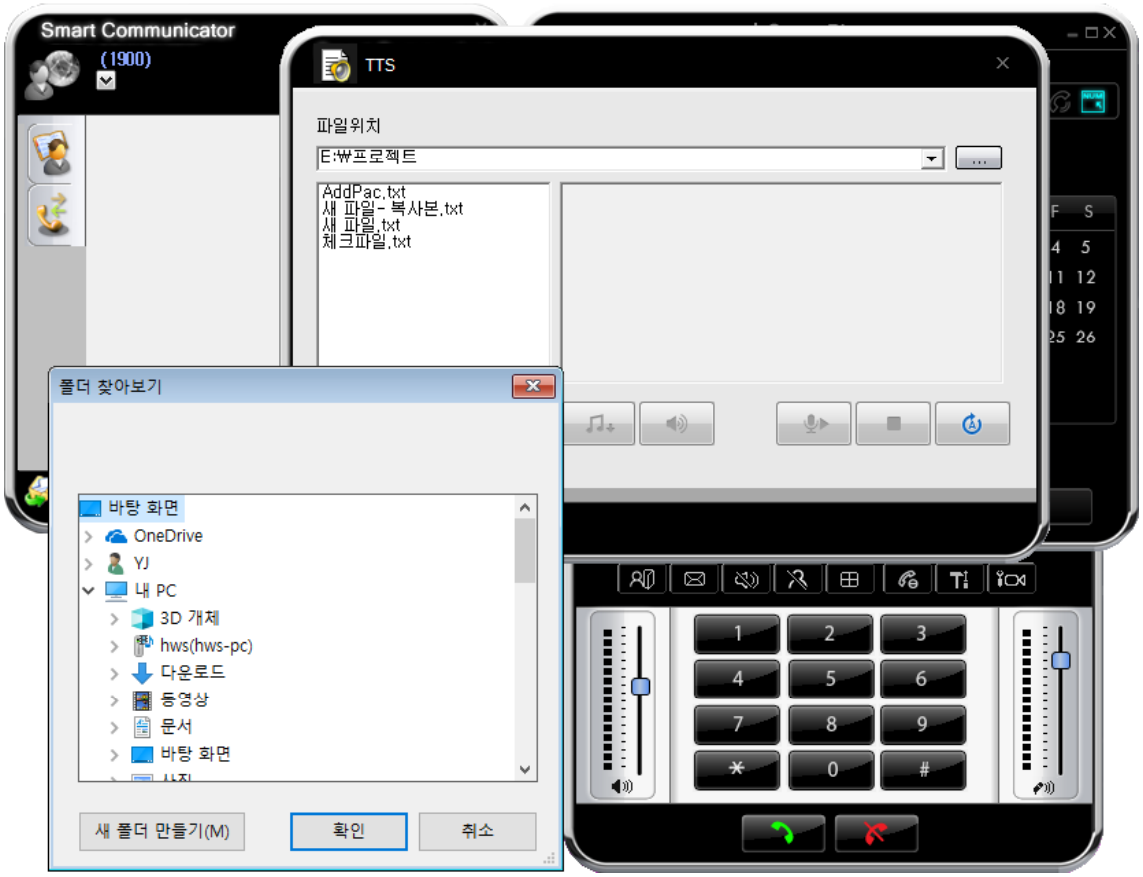
Automatic Paging
Guard Margin

Pre-TTS Listening

Session Config. for TTS Paging



Session Config. for TTS Paging



TTS Paging ON-AIR



TTS Service Control Menu Bar

SIP Paging Server (Ex: AP-SIP180) for Paging Service

Product Overview

AP-SP180 SIP Paging Server

- SIP Application Server, Proxy, Registrar and Location Server
- SIP Paging Server Service
- Standalone SIP Paging & Broadcasting Service Support
- Legacy IP-PBX Clone Mode Support (Trunk, etc)
- RTP(Real-time Transport Protocol) Support for Unicast and Multicast Paging Service
- Internal & External RTP Routing Service Support
- Web based SPMS(SIP Paging Management Software) Support
- Various Paging Service Mode Support (Ex : Scheduled Broadcasting, etc)
- Various SIP Paging Terminal Support (SIP Paging Terminal, SIP Phone, etc) beside AddPac Terminal
- Paging Service Support via SIP IP Phone
- Paging Service Support via AddPac Smart Communicator (PC based AddPac Multimedia Manager)
- TTS Paging Service Support (Option)
- High Performance RISC Architecture
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Private IP Address Support (ex : Wifi AP Environment)
- Firmware Upgradeable Architecture

Hardware Specification

AP-SPS180 SIP Paging Server

- RISC Microprocessor Computing Power
- Main Chassis
  - Network Interface
    - Two(2) 10/100Mbps Fast Ethernet
    - One(1) RS-232C Console (RJ45)
  - Two(2) VoIP Module Slots for FXS, FXO etc

Hardware Specification

AP-SPS180 SIP Paging Server

Front Side



LAN1 (10/100Mbps)

LAN0(10/100Mbps)

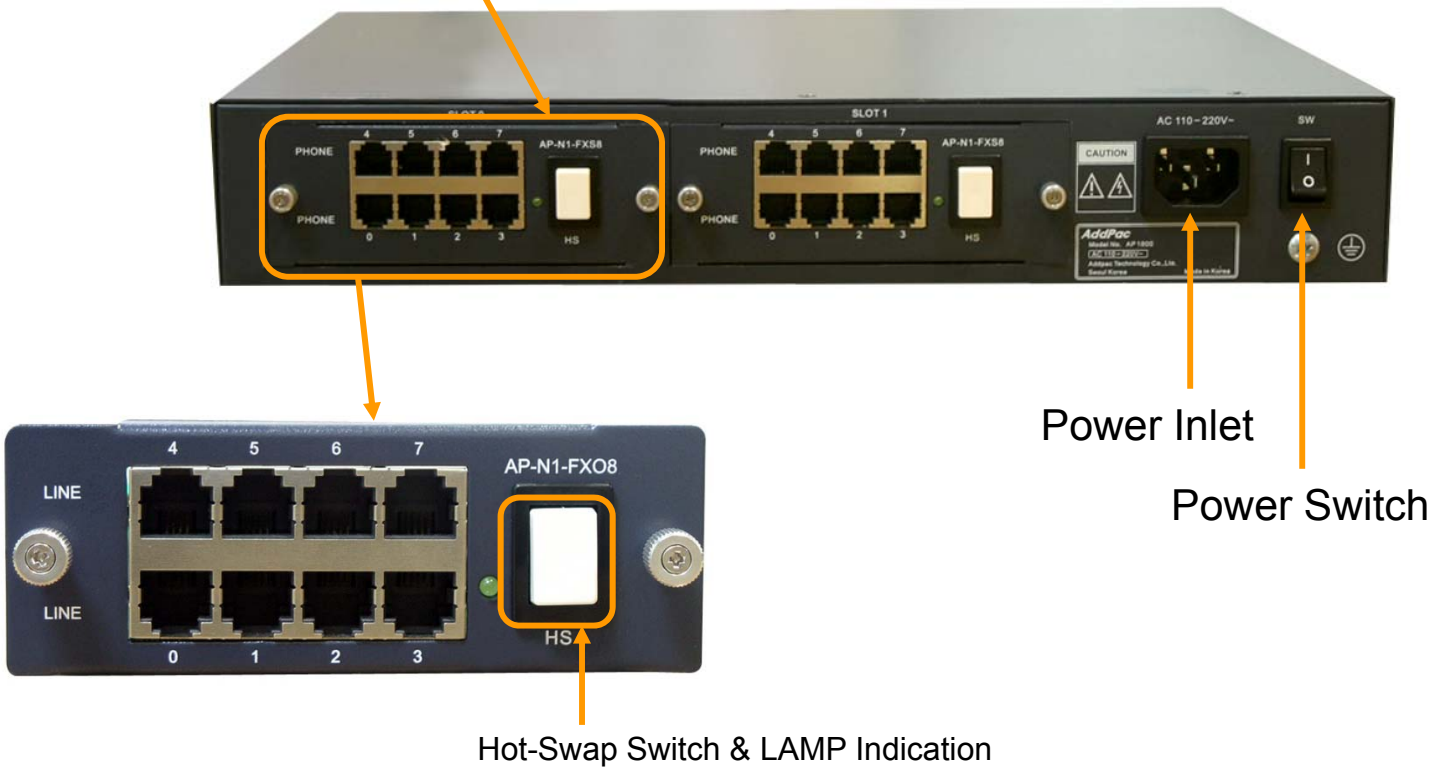
Console Port

Hardware Specification

AP-SPS180 SIP Paging Server

Back Side

PSTN Interface Module



Power Inlet

Power Switch

Hot-Swap Switch & LAMP Indication

SIP Phones
for Paging Service

IP Phones for AddPac SIP Paging Service

	AP-IP300	AP-IP230	AP-IP120
			
LCD Size	4.3 Inch Color LCD	5 Inch Color LCD	4 Text Line Graphic LCD
Touch Screen	N/A	Support	N/A
Speed-Dial Keys	25 Key with Presence LED	Touch Screen based 25 Keys	12 Key with Presence LED
Voice Codec	G.722/G.711/G.726/ G.729/G.723	G.722/G.711/G.726/ G.729/G.723	G.722/G.711/G.726/ G.729/G.723
Signaling	H.323/SIP	H.323/SIP	H.323/SIP
3-Party Conversation	Support	Support	Support
LAN Port	2	2	2
PoE(Option)	Support	Support	Support
FXO(Option)	Support	Support	Support

SIP Paging Terminals

SIP Paging Terminal & Solution

SIP Paging Management S/W	SIP Paging Servers	SIP Paging Terminals	SIP Phone for Paging Service
 AP-SPMS	 AP-SPS2000	 AP601	 AP-IP300 + AP-PT20x2
	 AP-SPS600	 AP1602	 AP-IP120 + AP-PT20x2
	 AP-SPS180	 AP1605	 SPCS

AP601

SIP Paging Terminal



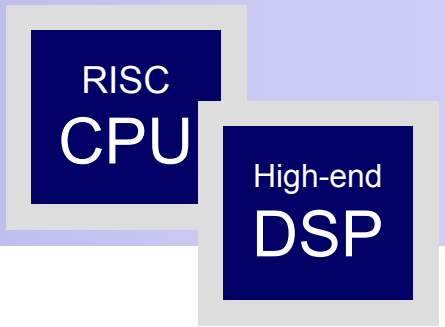
Product Overview

AP601 SIP Paging Terminal

- SIP based Voice Broadcasting Terminal Solution
- Hardware Architecture for Voice Broadcasting Terminal Service
- Remote Broadcasting Service at terminal side
- High Quality Voice Codec Support (High Quality Codec, G.711, G.726, etc)
- RTP/UDP Protocol Support
- Unicast and Multicast Broadcasting Scheme
- SPMS (SIP Paging Management Software) Support
- One(1) channel SPK/MIC Port
- Volume Control Button Support (Up, Down)
- Option (AP601A) : AMP. Built-in
- High-Quality Audio/Voice Service
- Firmware Upgradeable Architecture
- Broadcasting Solution with Outstanding Network Service Capability
- External Power Supply

Hardware Specification

AP601 SIP Paging Terminal



- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- High Quality Audio Encoding/Decoding Service
- One(1) 10/100Mbps Fast Ethernet (RJ45)
- One(1) RS-232C Interface (RJ45)
- SPK/MIC Audio Interface Support
- Volume Control Button Support (Up, Down)
- External Power Supply Support
- Option : 30Watt Digital AMP. Built-in (AP601A)

Hardware Specification

AP601 SIP Paging Terminal

RISC CPU

High-end DSP

Front Side



Speaker Out

MIC Input

Speaker Volume Control Button (Up, Down)

RS232C Console

Fast Ethernet (LAN)

ON-AIR LED

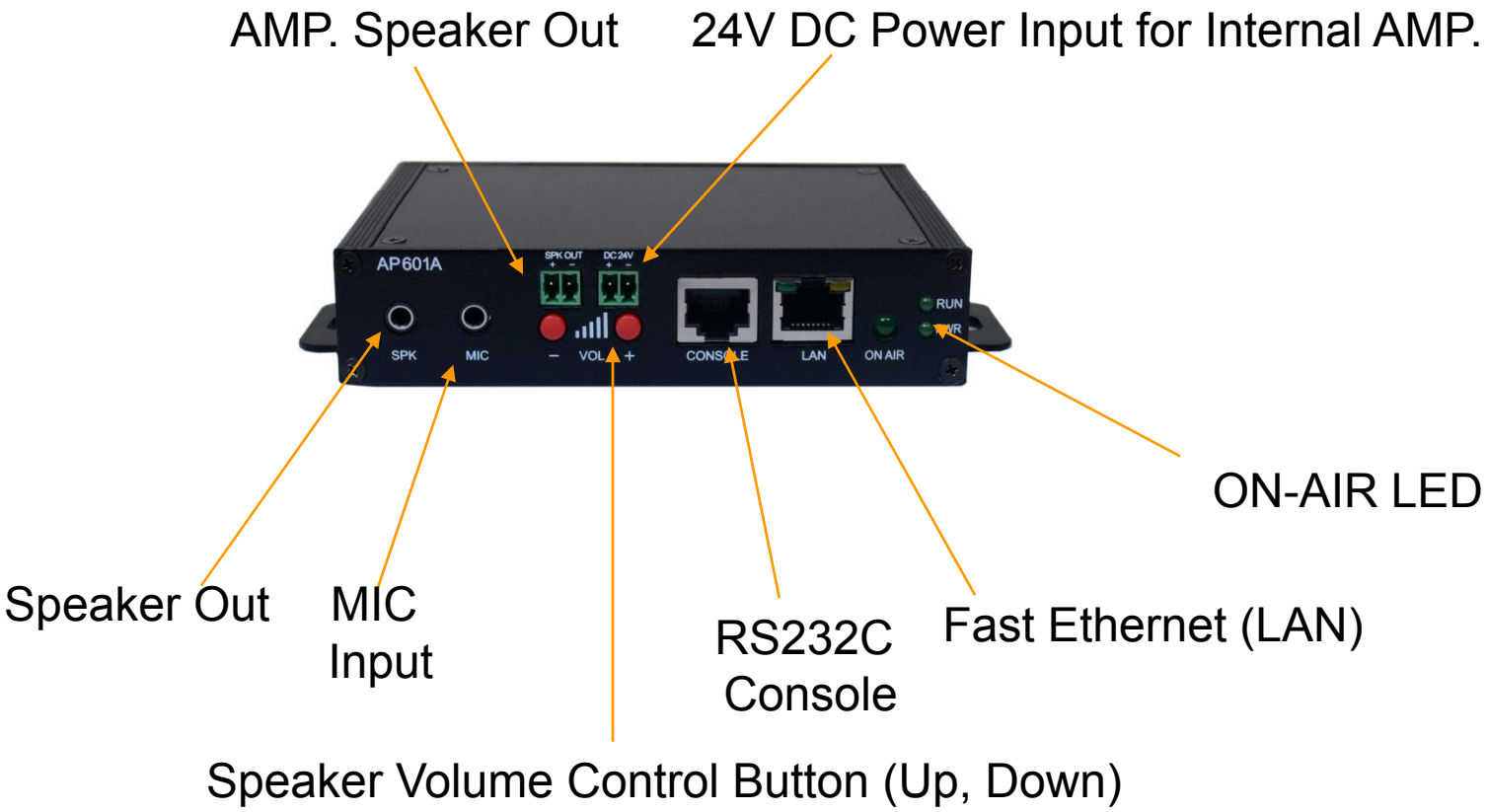
Hardware Specification

AP601 SIP Paging Terminal

RISC CPU

High-end DSP

Front Side
(AMP. Built-In Model : AP601A)



Hardware Specification

AP601 SIP Paging Terminal

RISC CPU

High-end DSP

Back Side

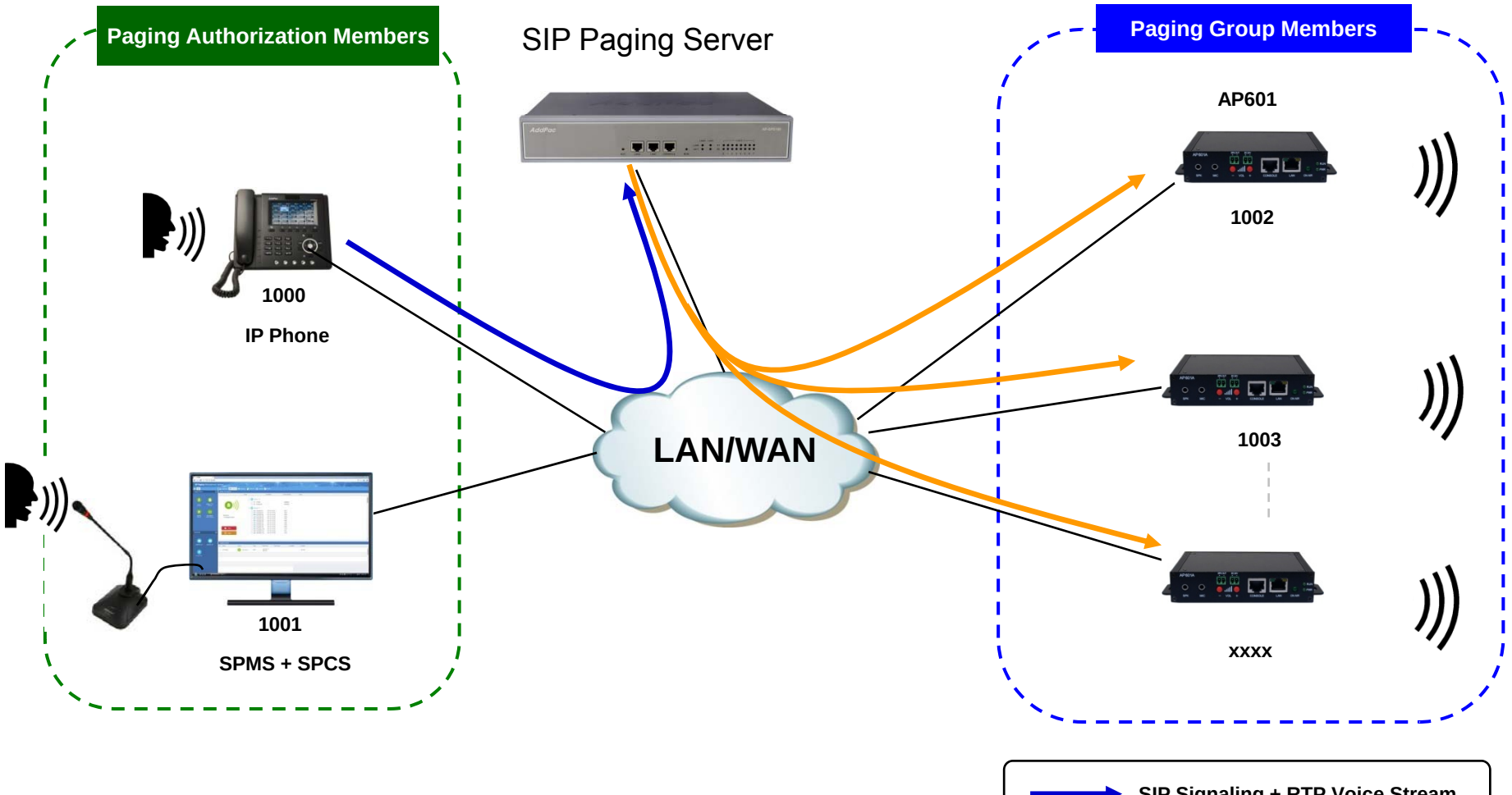


External Power Supply Adaptor

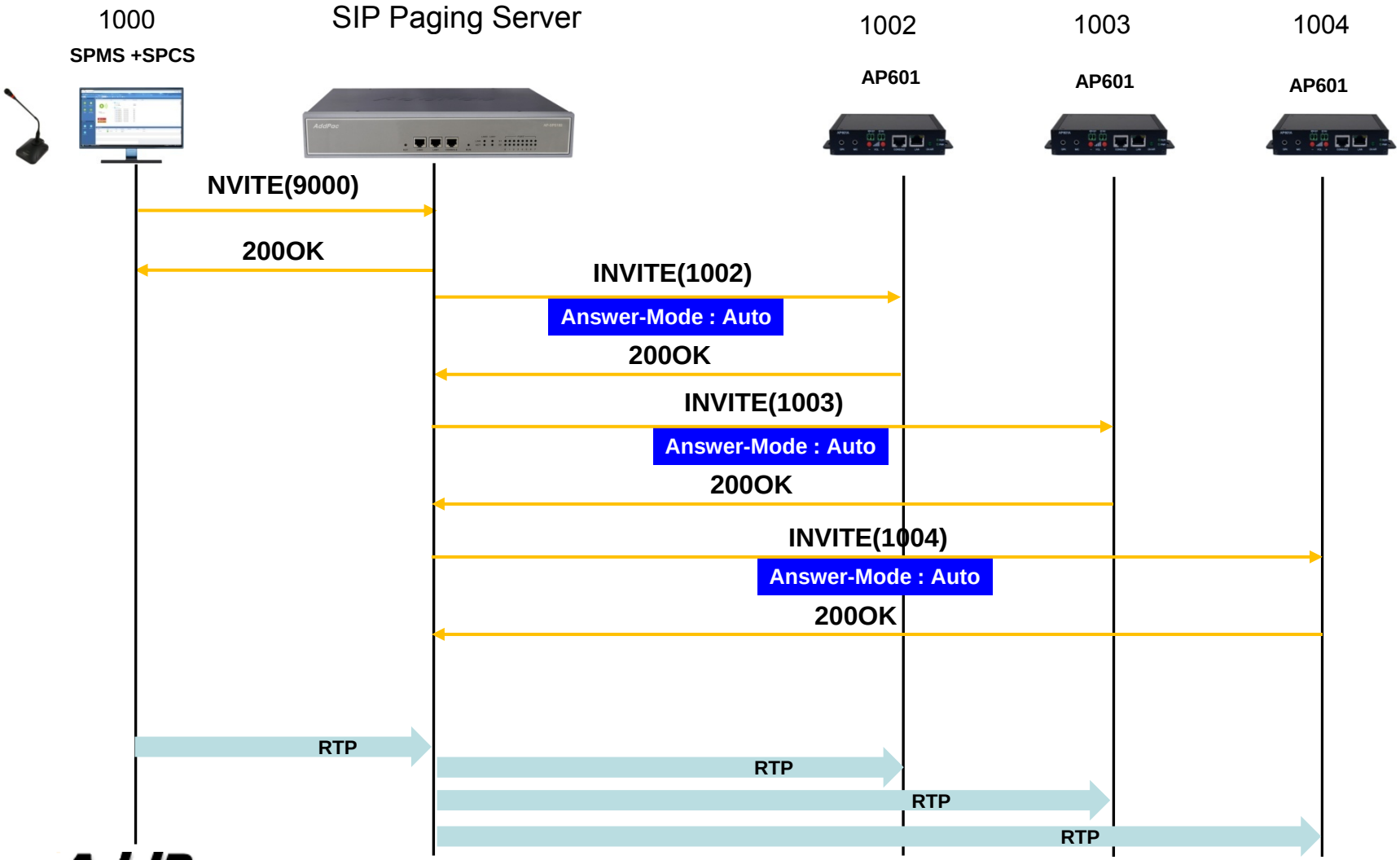
Power Switch

SIP Paging Server Service Diagram

SIP Broadcasting Network Diagram



Paging Group Signaling Flow (Standalone Mode)

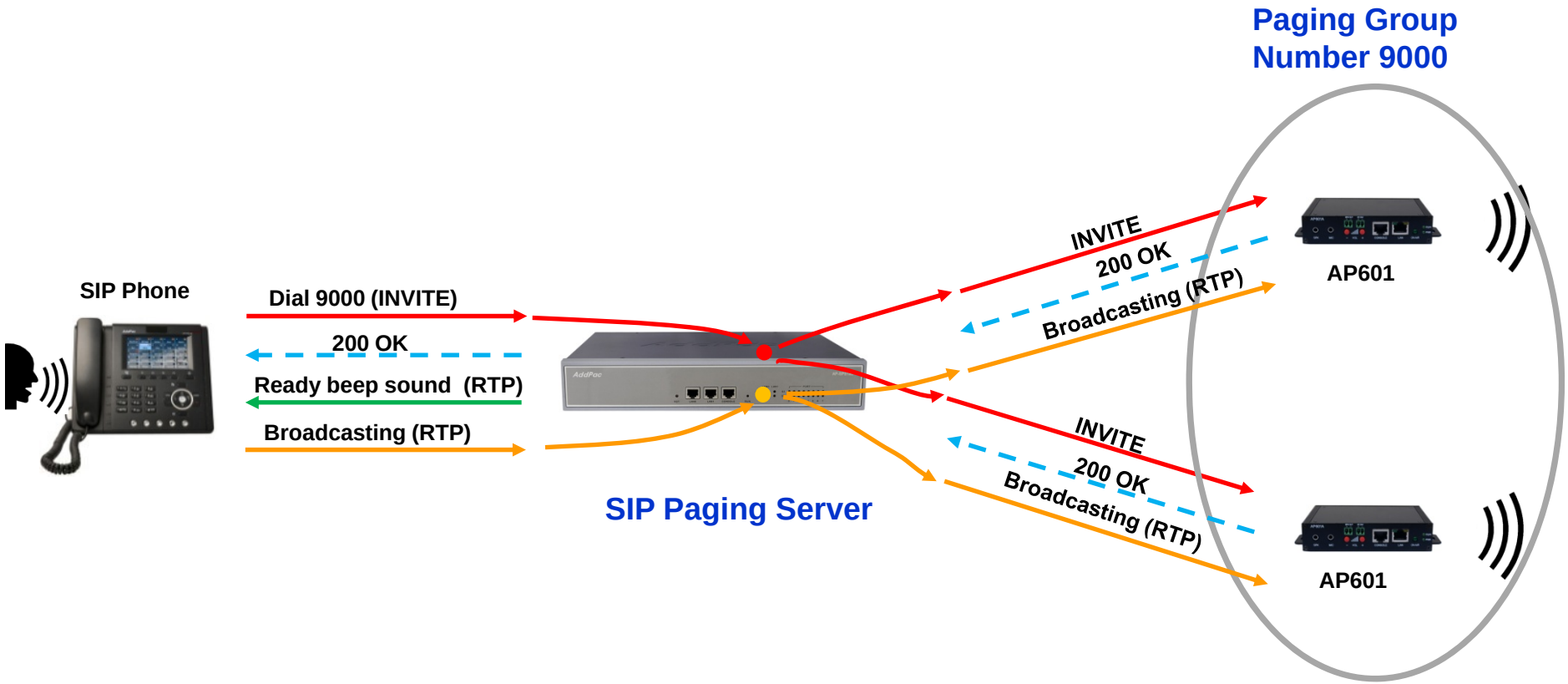


Paging Scenarios & Service Features

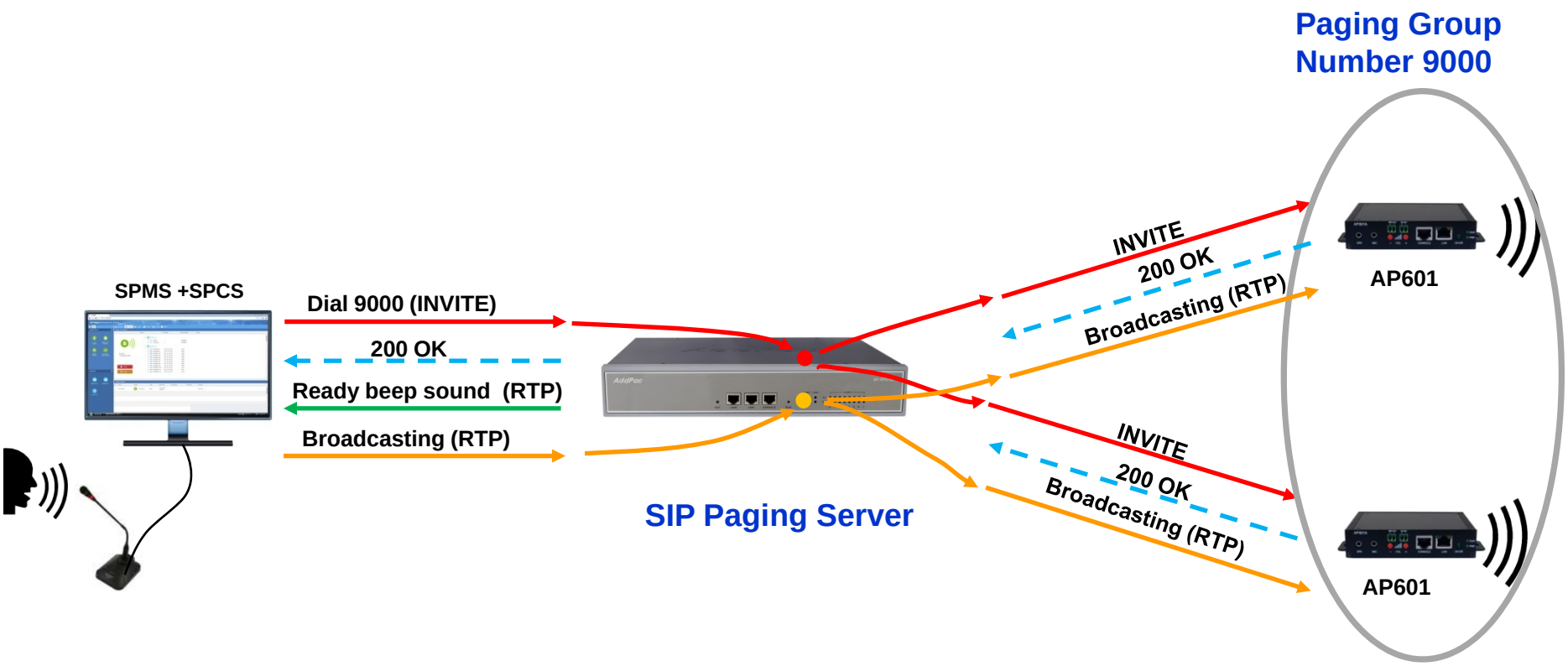
Paging Scenarios

- SIP Phone Initiated Real-Time Paging
- Soft SIP Phone Initiated Real-Time Paging
- SIP Phone Initiated Real-Time Paging via PBX
- SIP Phone Initiated Real-Time Paging to PBX
- SIP Paging to and from PSTN/Mobile Network
- Web Controller Initiated Real-Time Paging
- Add-hoc Paging with IVR
- Recorded Paging with Simultaneous Casting
- Recorded Paging with Individual Casting
- TTS (Text to Speech) Paging
- Audio and SMS Paging by HTTP API
- Scheduled Paging

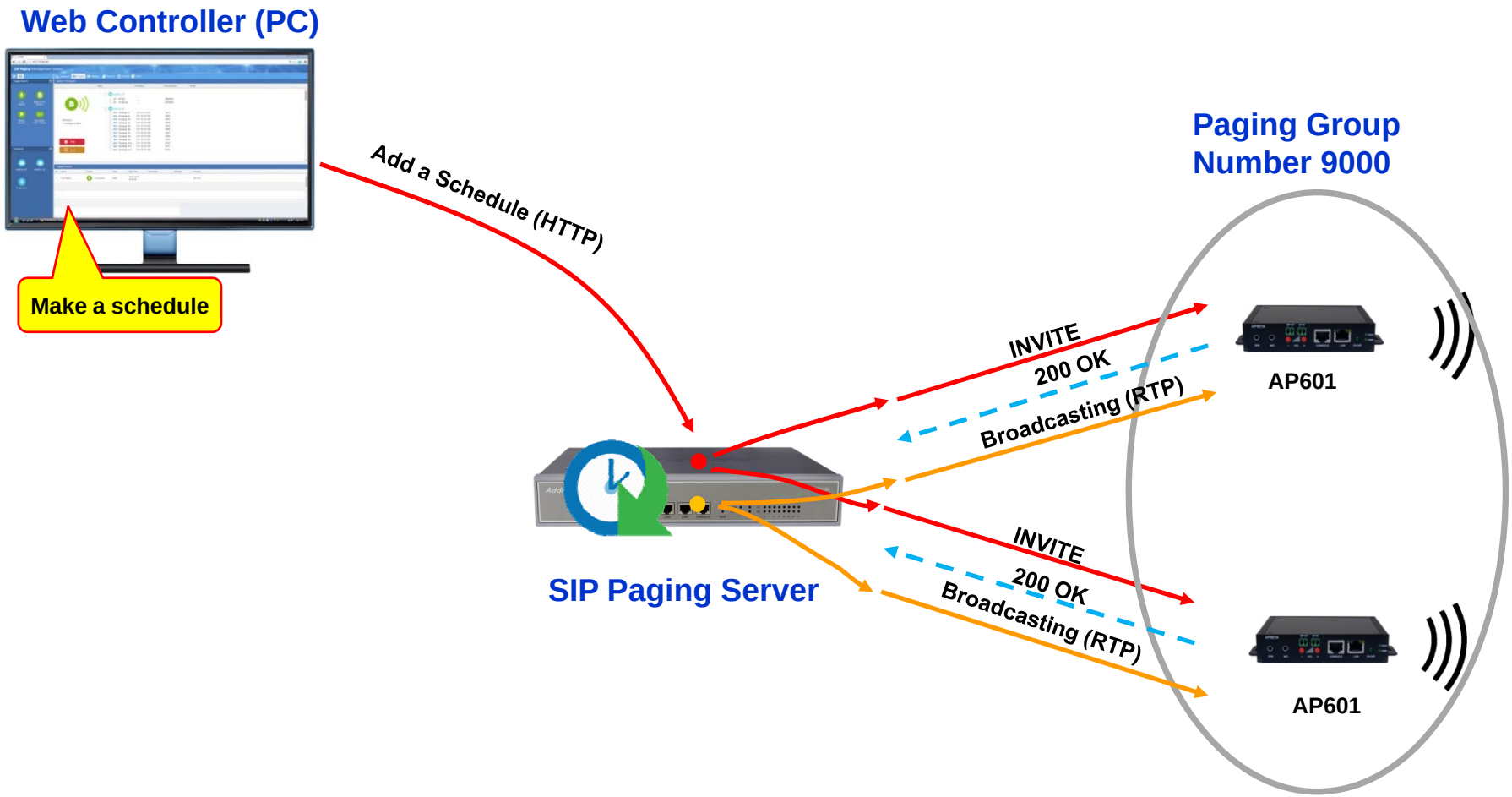
SIP Phone Initiated Real-Time Paging



Soft SIP Phone Initiated Real-Time Paging



Scheduled Paging

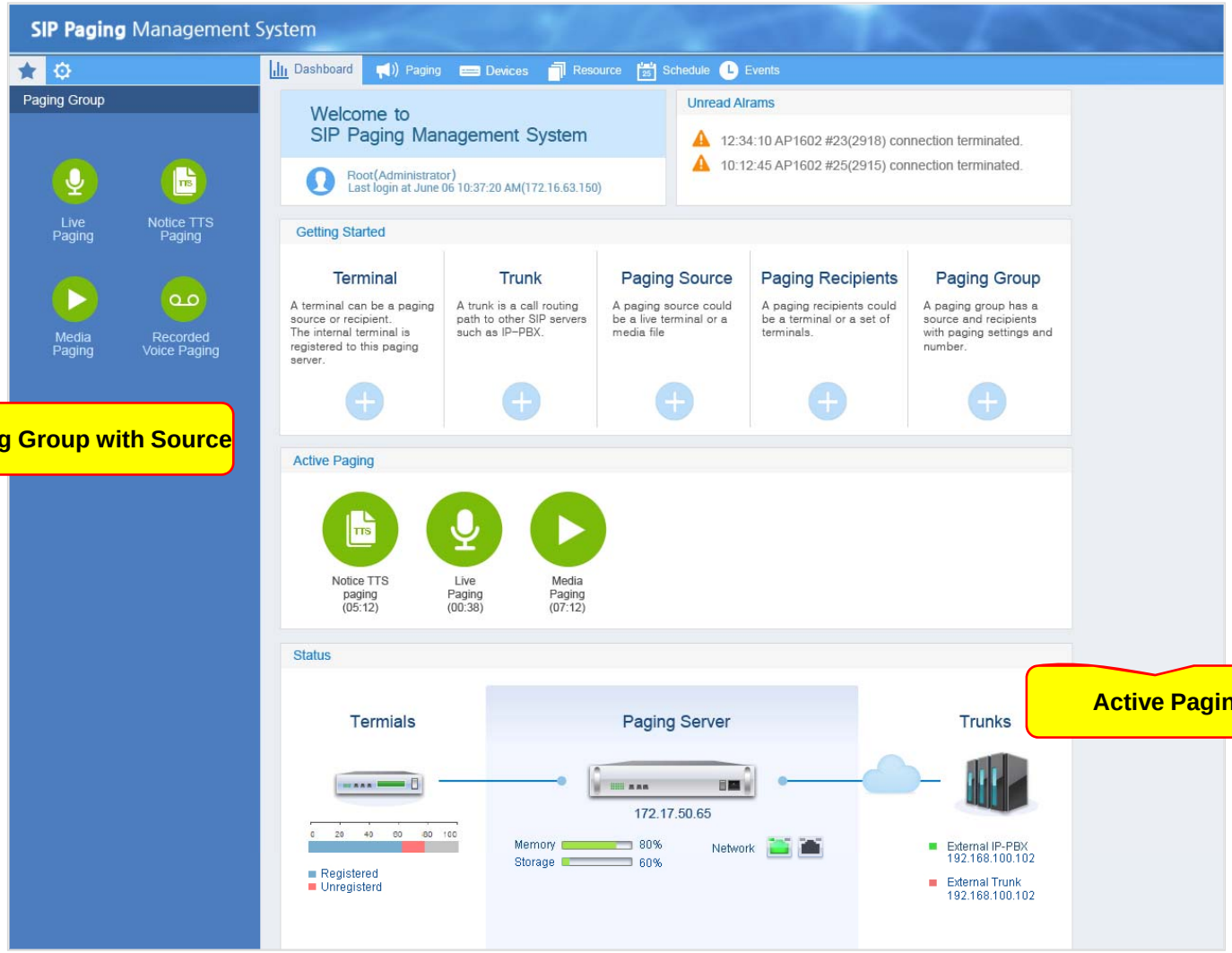


SIP Paging Management Software (SPMS)

Contents

- SIP Paging Management Software Overview
  - Paging Device Management
  - Paging Group Management
  - Access Authority Management
  - Real-time and Recorded Paging
  - One Click Paging
  - Scheduled Paging
  - HTTP API Paging
  - TTS Paging
  - SMS Paging

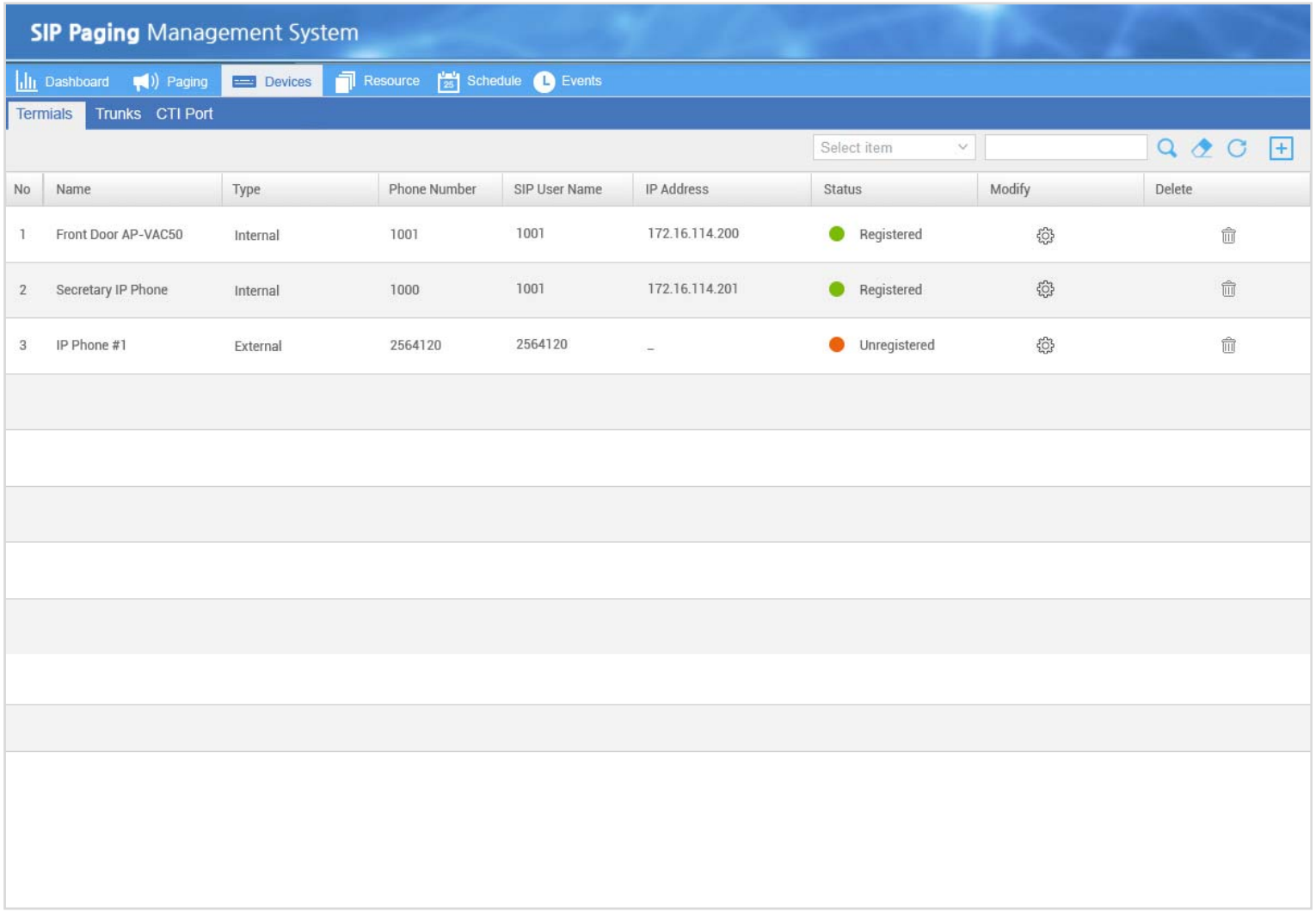
SIP Paging Management System GUI Initial Screen



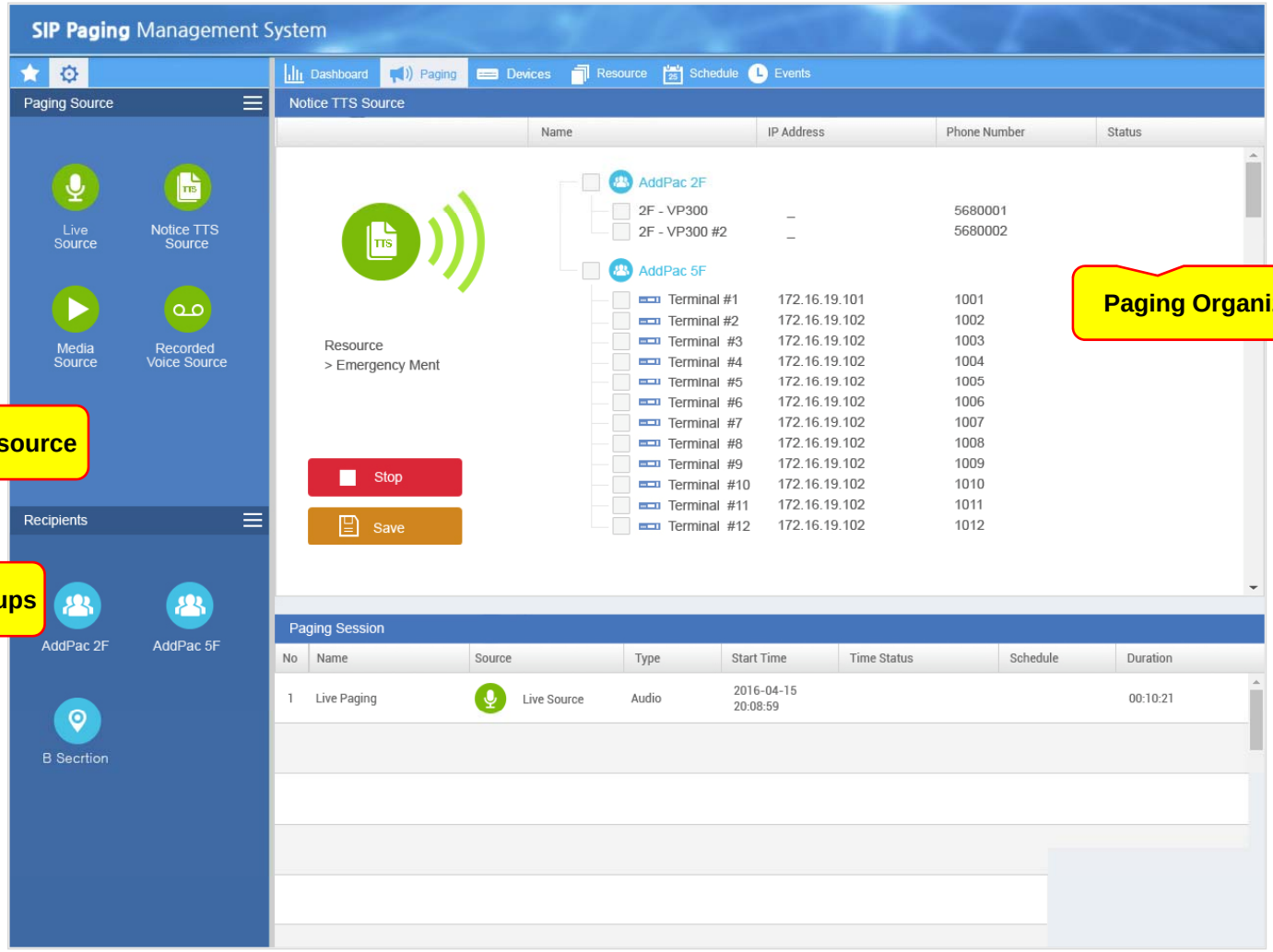
Favorite Paging Group with Source

Active Paging Sessions

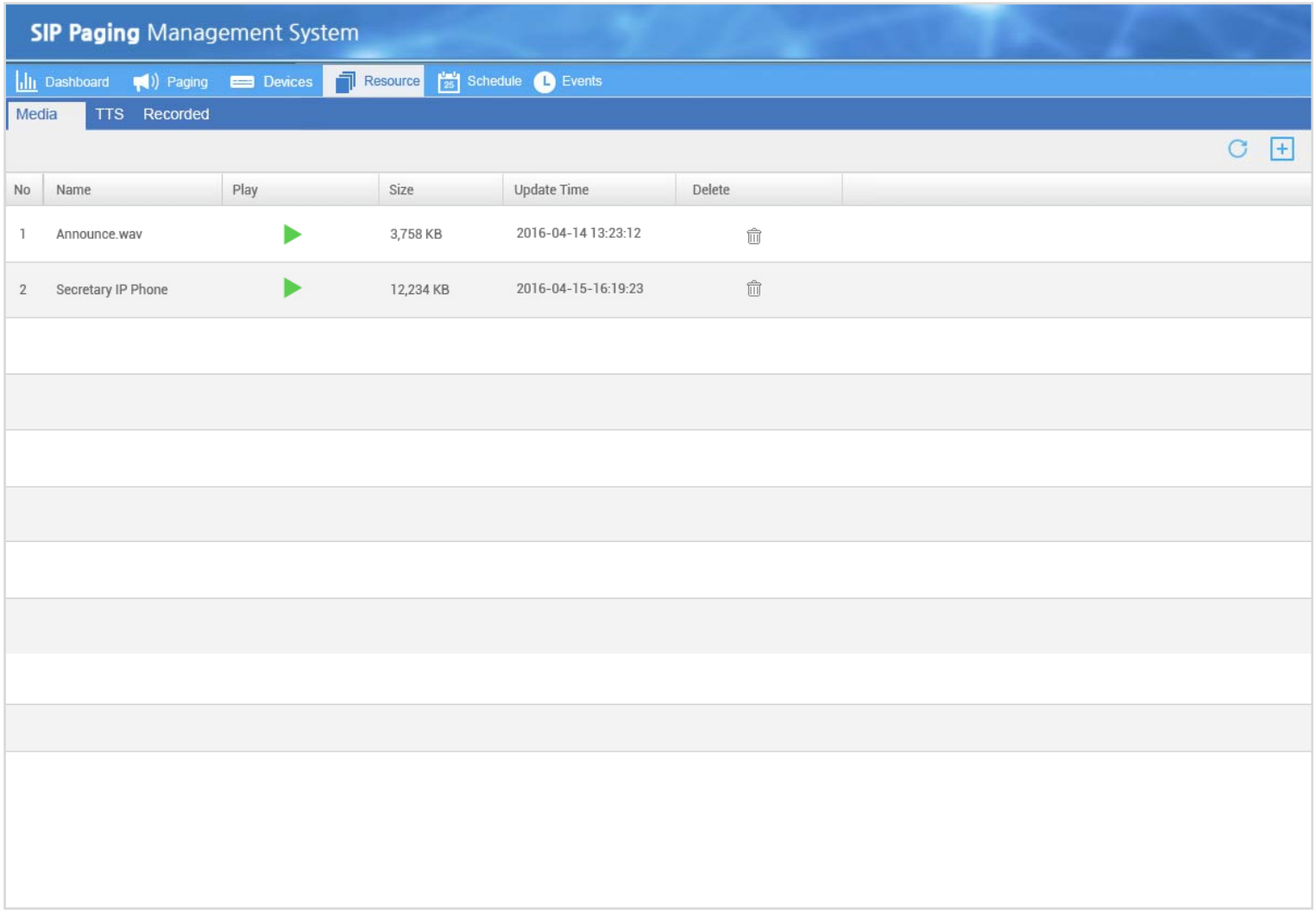
Paging Device Management



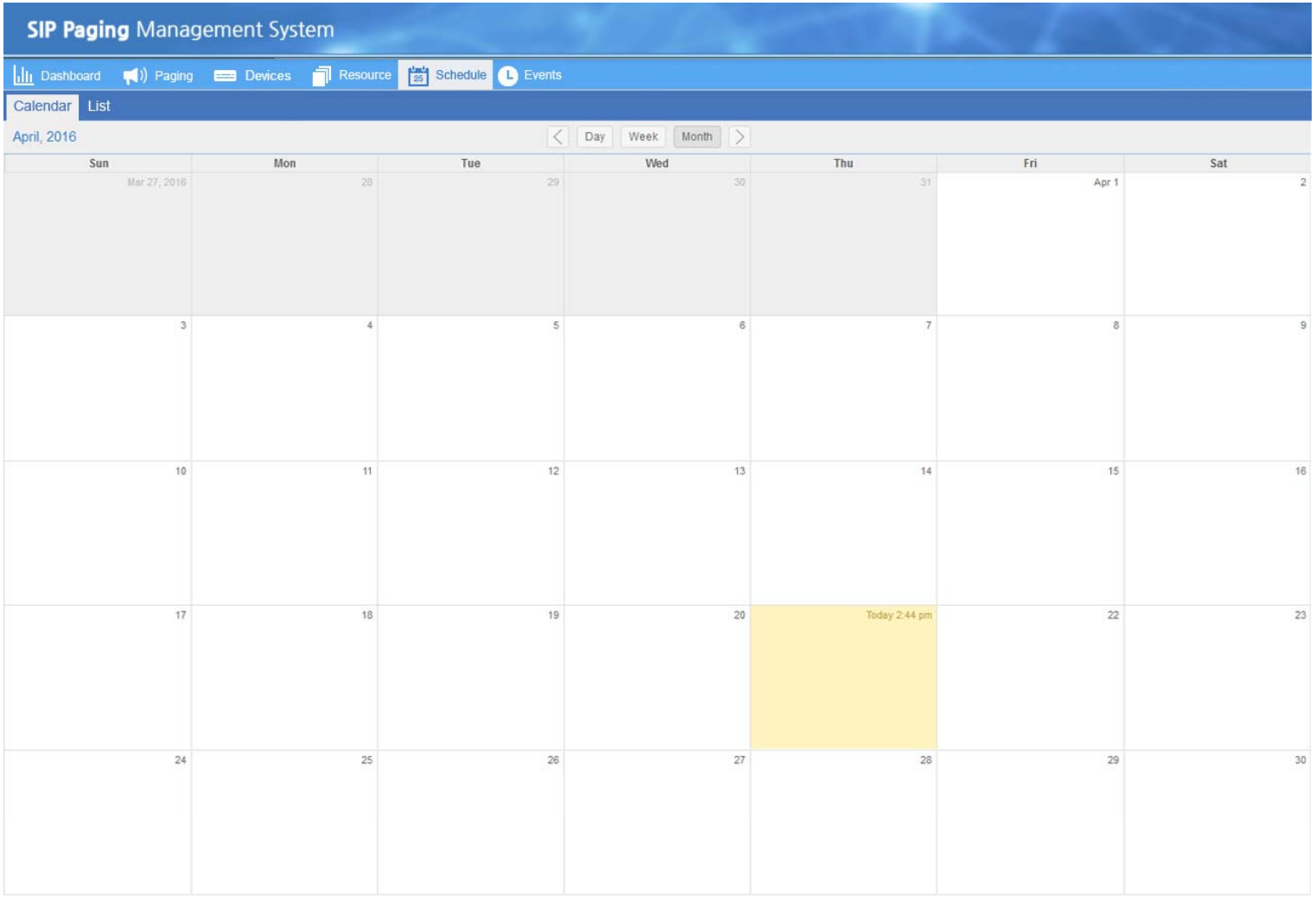
Paging Group Management



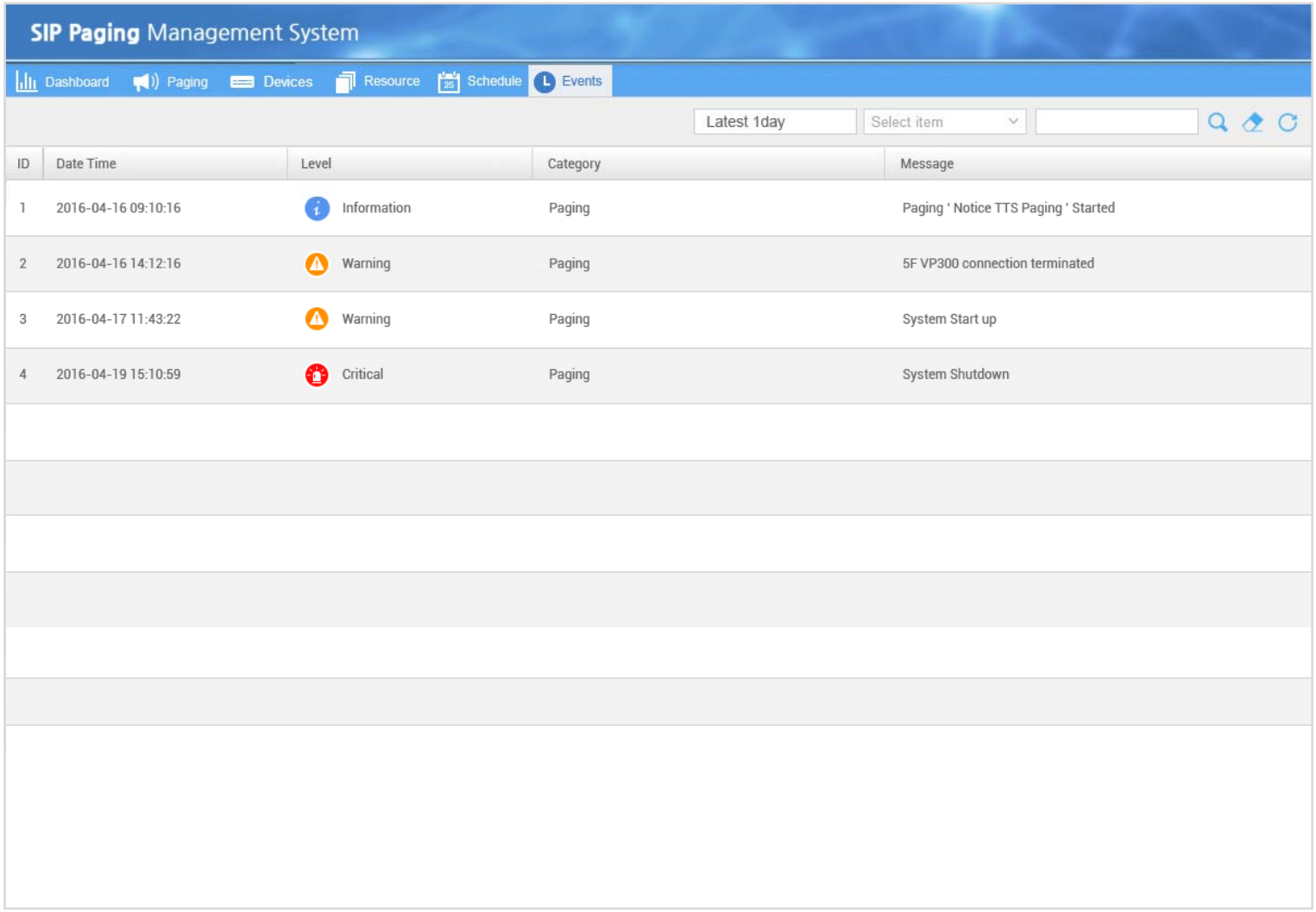
TTS Paging


SIP Paging Management System
Dashboard
Paging
Devices
Resource
Schedule
Events
Media
TTS
Recorded
No
Name
Play
Size
Update Time
Delete
1
Announce.wav
3,758 KB
2016-04-14 13:23:12
2
Secretary IP Phone
12,234 KB
2016-04-15-16:19:23

Scheduled Paging Management



Events


SIP Paging Management System
Dashboard
Paging
Devices
Resource
Schedule
Events
Latest 1day
Select item
ID
Date Time
Level
Category
Message
1
2016-04-16 09:10:16
Information
Paging
Paging ' Notice TTS Paging ' Started
2
2016-04-16 14:12:16
Warning
Paging
5F VP300 connection terminated
3
2016-04-17 11:43:22
Warning
Paging
System Start up
4
2016-04-19 15:10:59
Critical
Paging
System Shutdown

Ordering Information

- AP-SPCS SIP Paging Client Software
- Built-in APOS Internetworking Software
- Including 1 Year Hardware Warranty
- Product Documents
  - Install and Operation Guide (PDF)
- Pricing
  - AddPac Technology Regional Sales Manager
  - Authorized Sales and Marketing Representatives
  - Please Contact www.addpac.com

Thank you!

AddPac Technology Co., Ltd.
Sales and Marketing

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