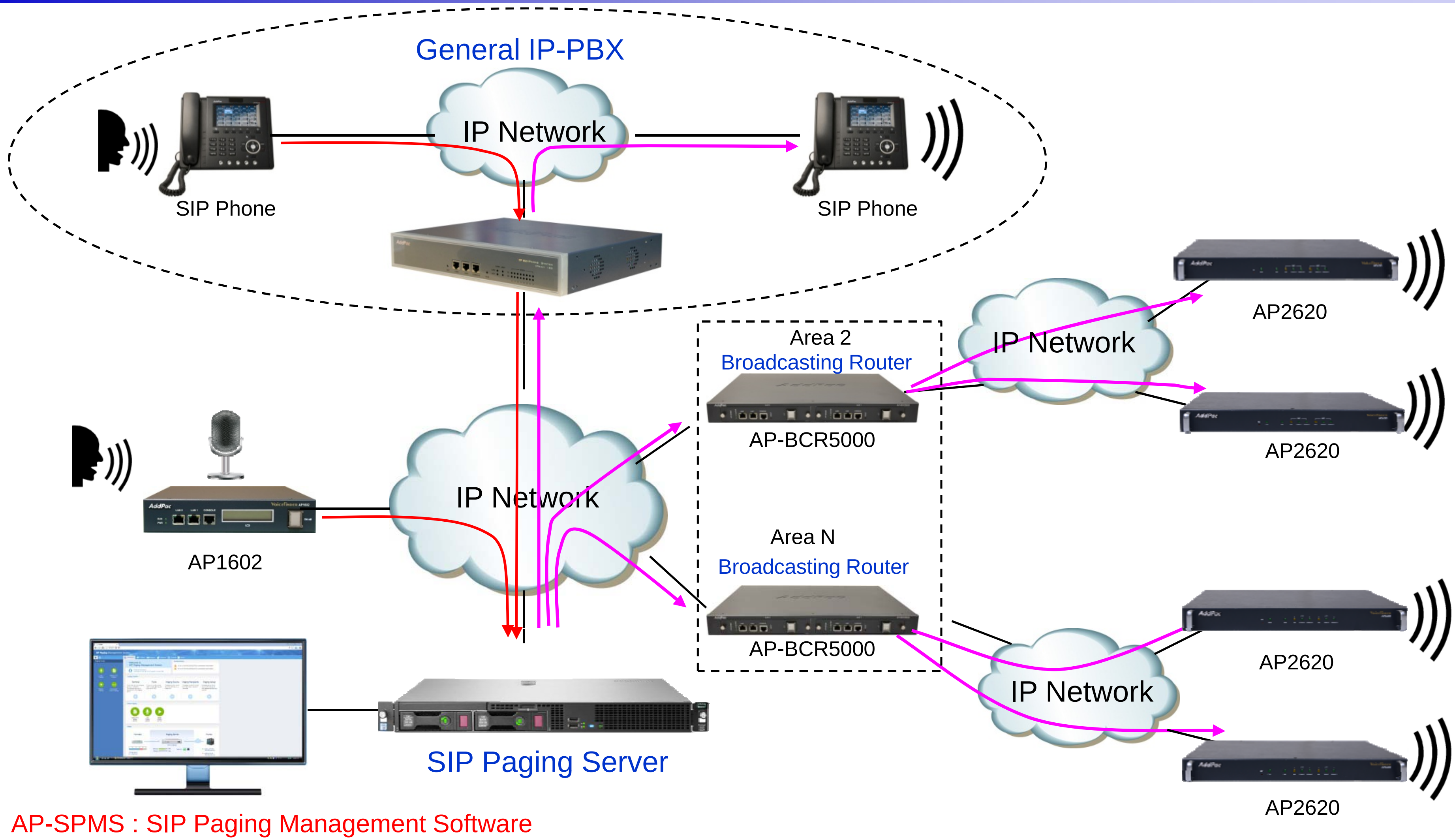
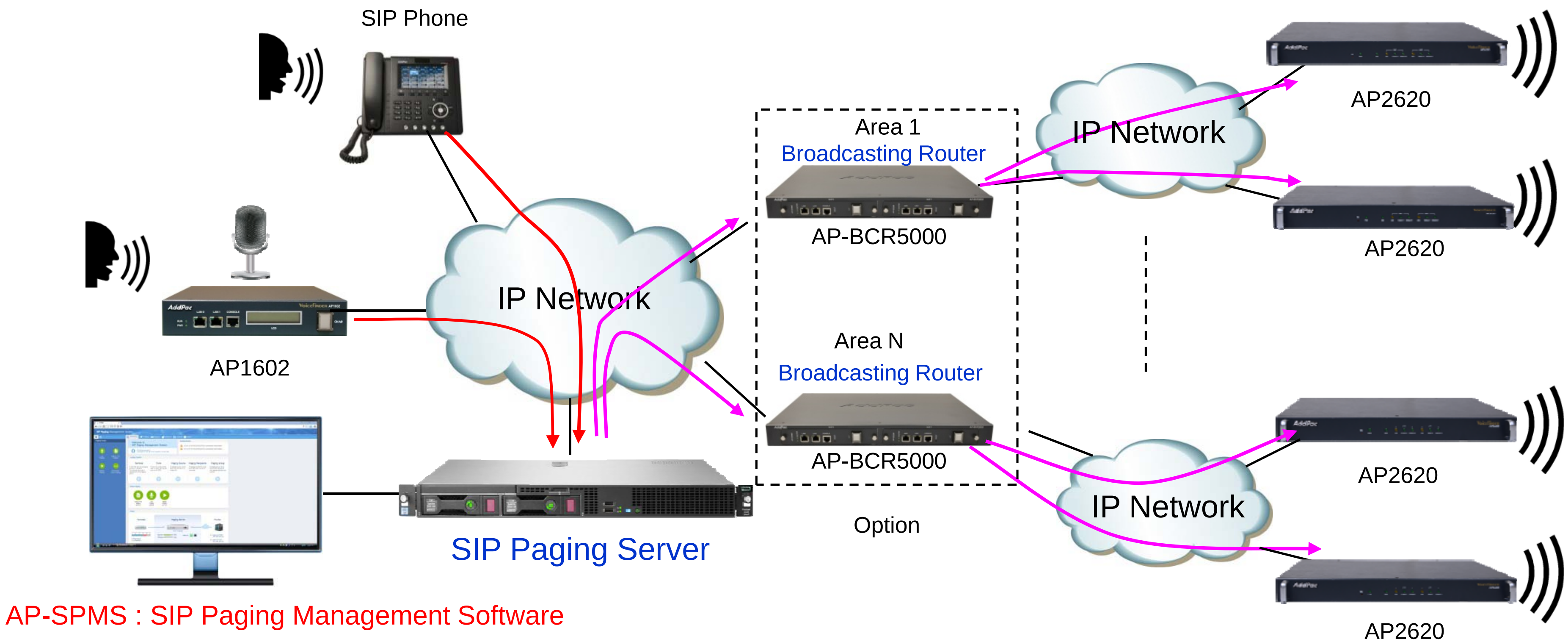
SIP Voice Paging Solution

Contents

SIP Paging Call Service Network Diagram
- IP-PBX Clone Service Mode



SIP Paging Call Service Network Diagram
- Standalone Paging Service Mode



SIP Paging Product Solution

SIP Paging Management S/W	SIP Paging Server	SIP Paging Terminal	Broadcasting Router (Relay Server)	SIP Phone for Paging Service
 AP-SPMS	 AP-SPS10000	 AP2620	 AP-BCR5000	 AP-IP300 + AP-PT20x2
	 AP-SPS2000	 AP1605		 AP-IP120 + AP-PT20x2
	 AP-SPS600	 AP1602		

SIP Paging Call Sources

- Real-Time Paging
  - IP Phones or Terminals Registered to Paging Server
  - IP Phones Registered to IP PBX
  - PSTN Phones via VoIP Gateway
  - Mobile Phones via VoIP Gateway or Mobile Gateway
- Recorded Paging
  - Record from IP Phone, PSTN Phone, Mobile Phone
  - Record from TTS
  - Any Wave Audio File
- HTTP API Paging
  - 3rd Party System via Restful HTTP API
- TTS Paging

SIP Paging Call Destinations

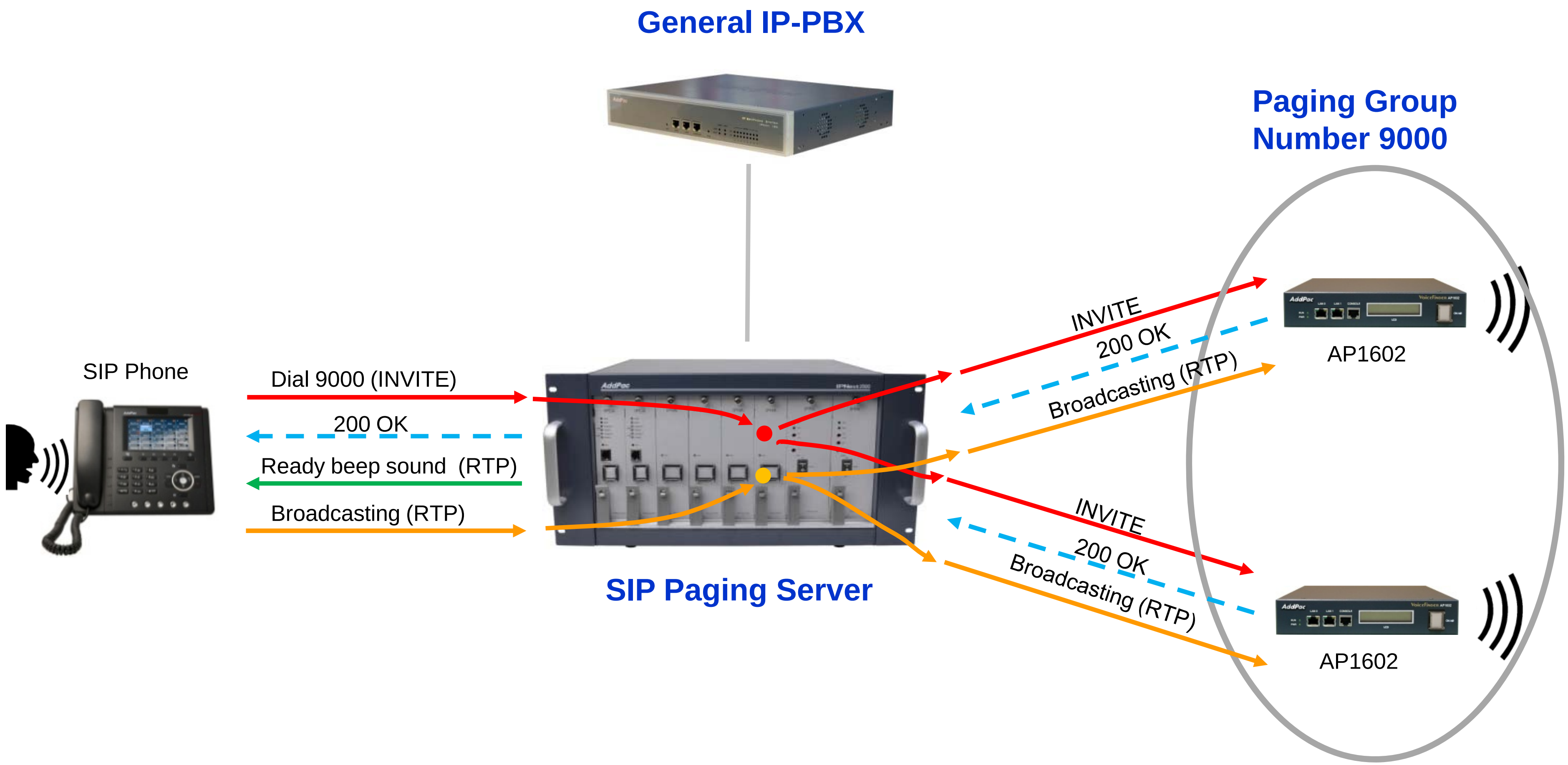
- IP Phones or Terminals Registered to Paging Server
- IP Phones Registered to IP PBX
- PSTN Phones via VoIP Gateway
- Mobile Phones via VoIP Gateway or Mobile Gateway
- SMS via Mobile Gateway
- General PC based SIP Phone

SIP Paging Call Scenario

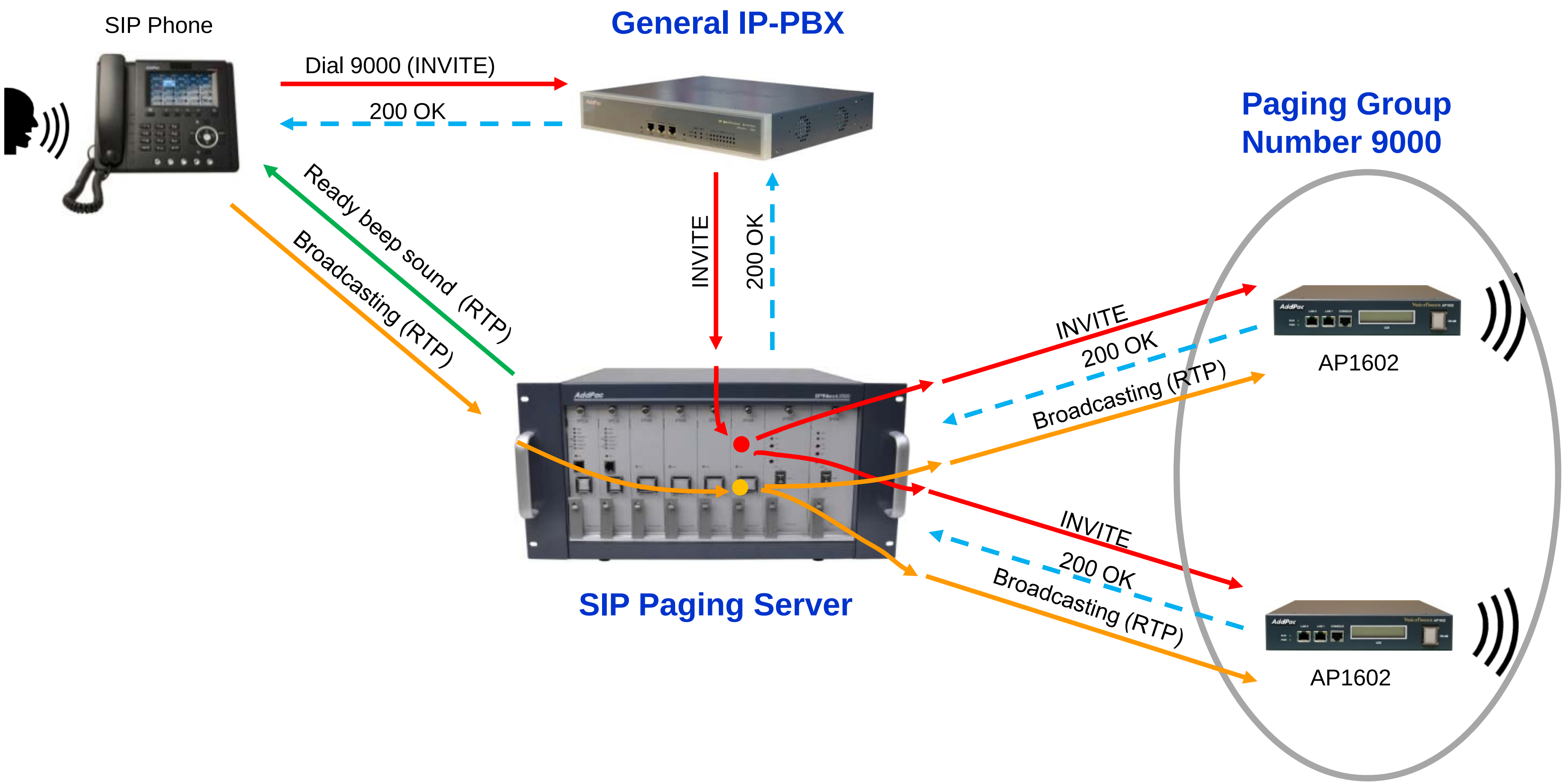
Paging Call Scenarios

- SIP Phone Initiated Real-Time Paging
- SIP Phone Initiated Real-Time Paging via PBX
- SIP Phone Initiated Real-Time Paging to PBX
- 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

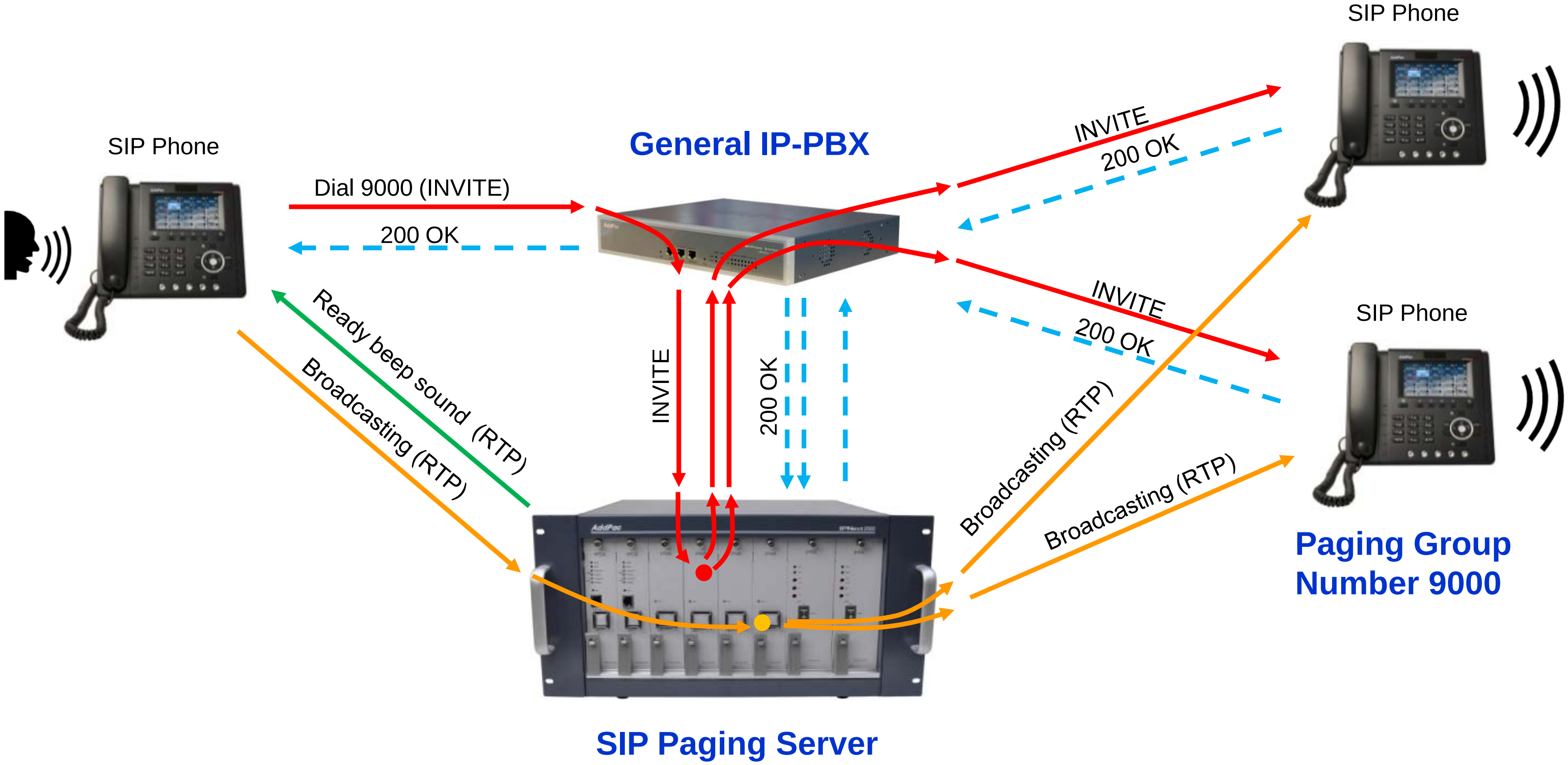
SIP Phone Initiated Real-Time Paging



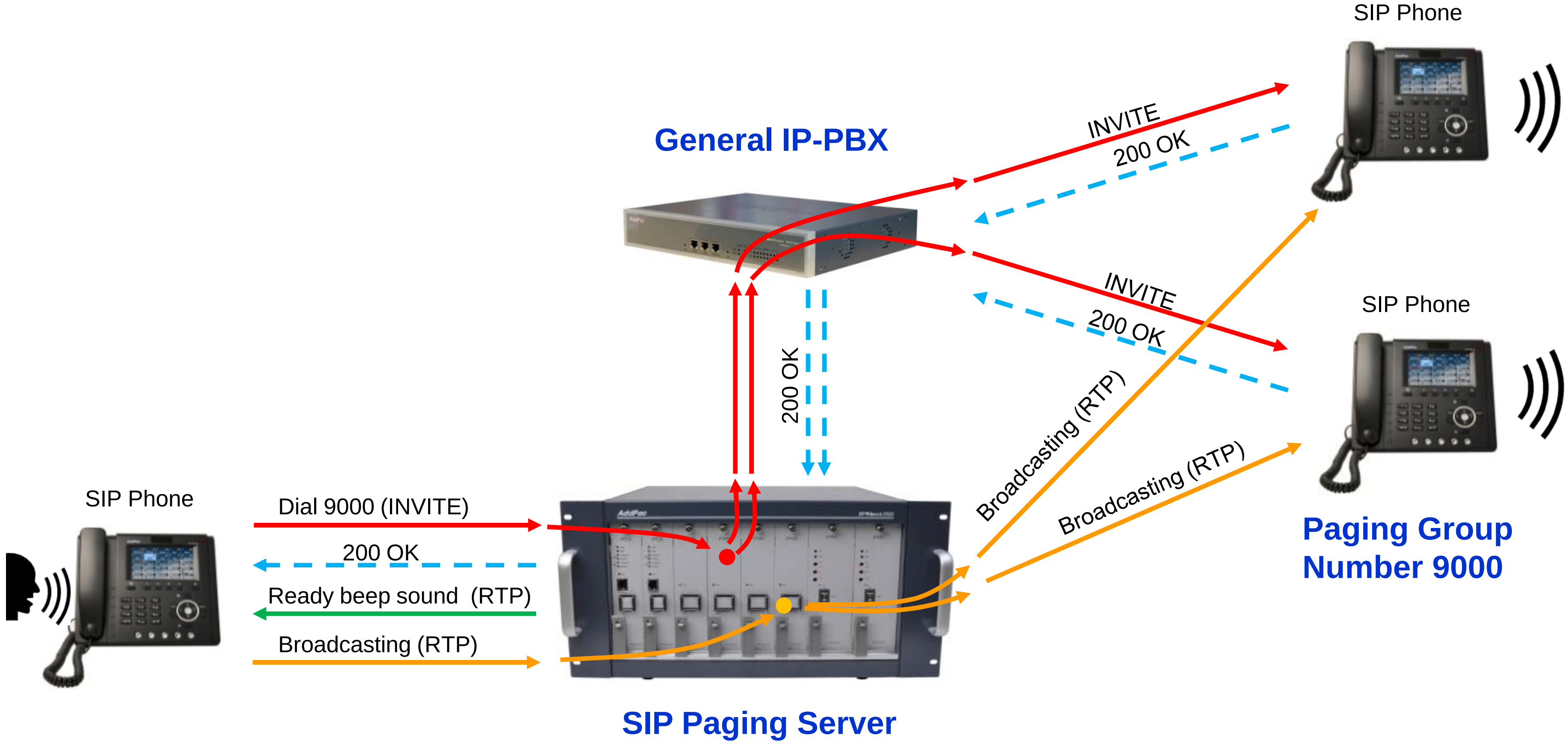
SIP Phone Initiated Real-Time Paging via PBX



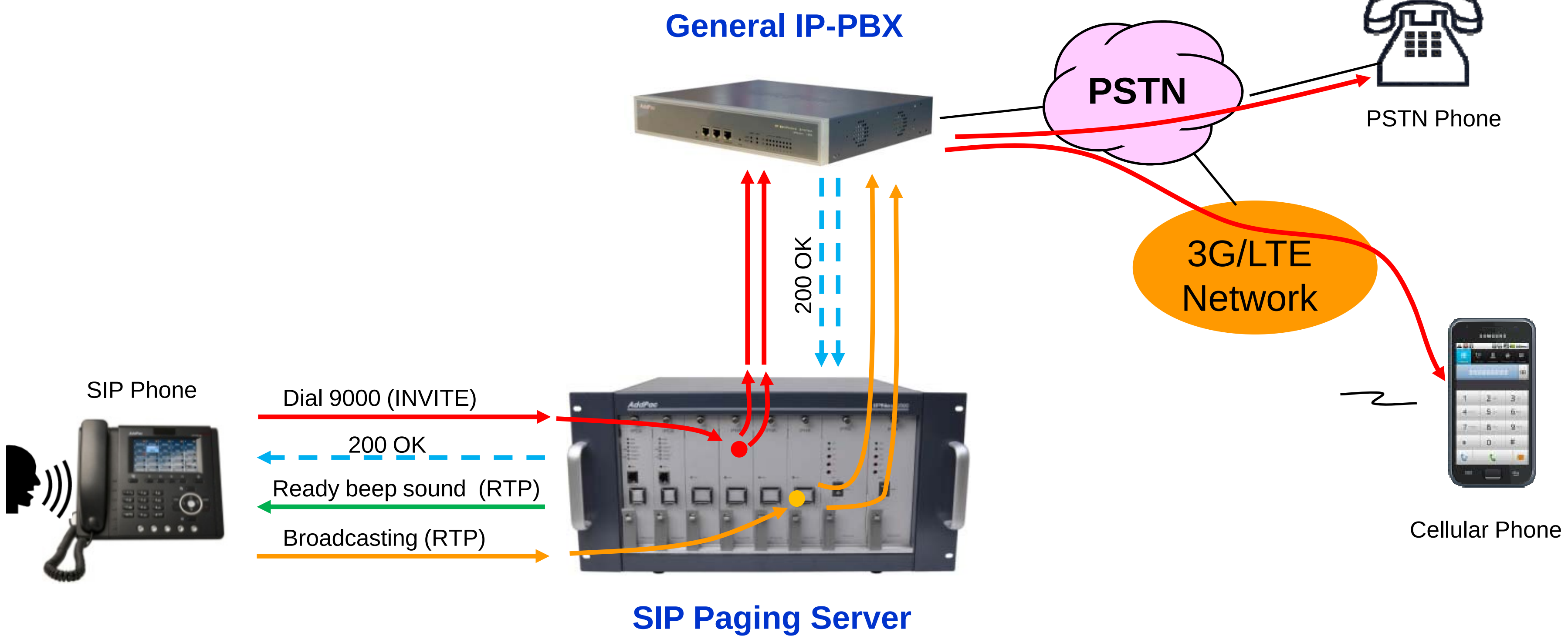
SIP Phone Initiated Real-Time Paging to PBX



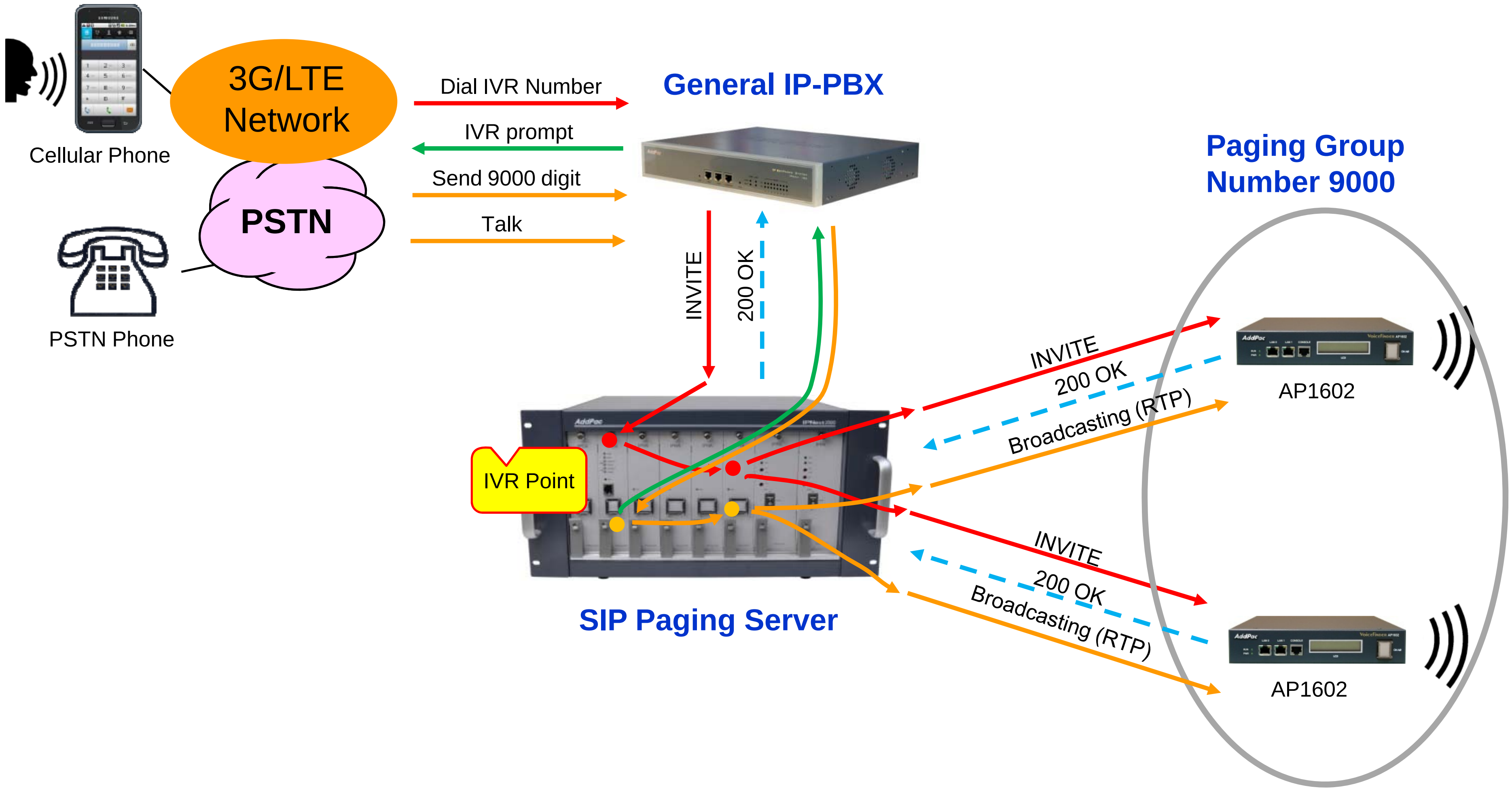
SIP Phone Initiated Real-Time Paging to PBX



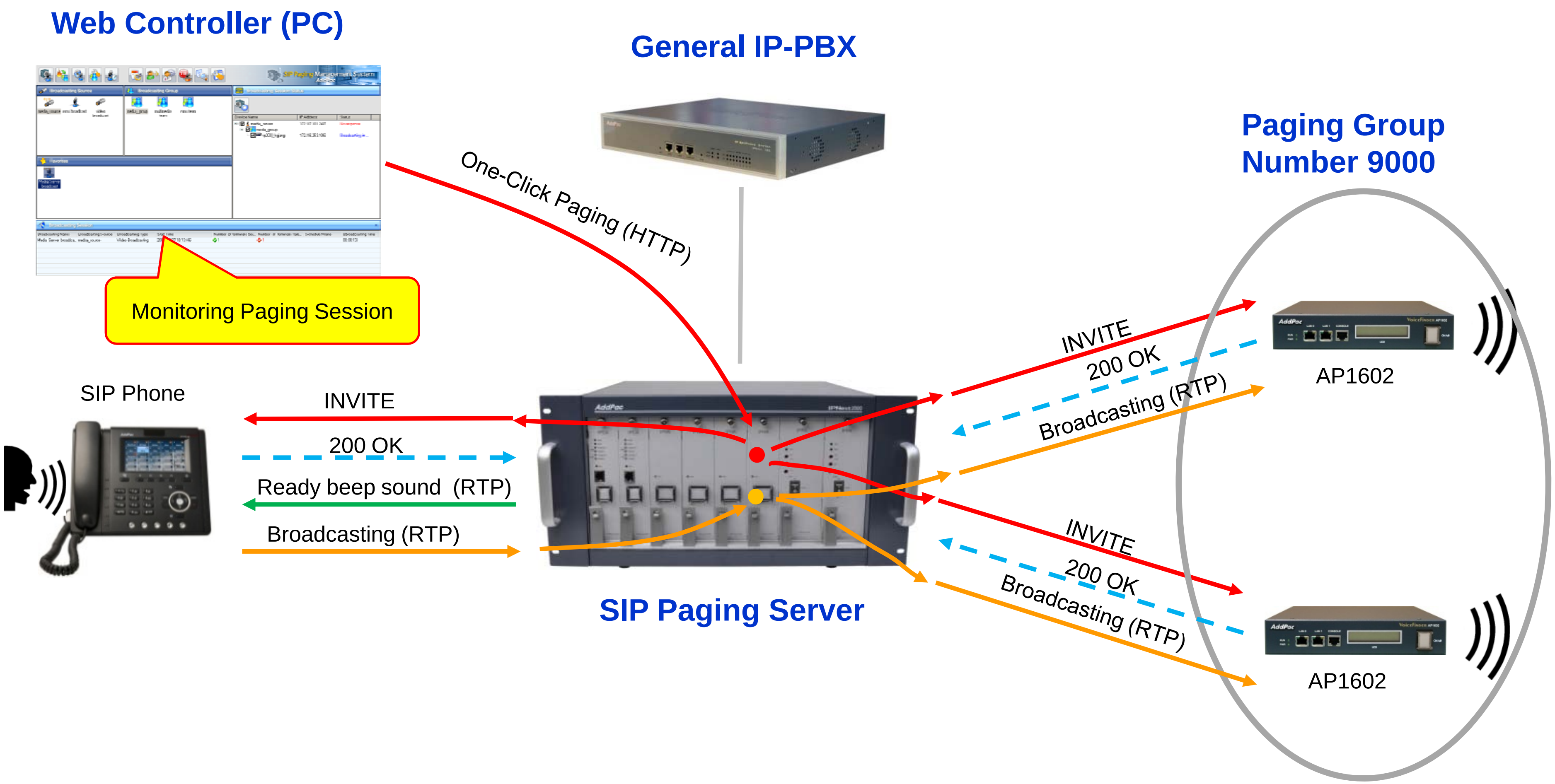
SIP Phone Initiated Real-Time Paging to PSTN and Mobile Network



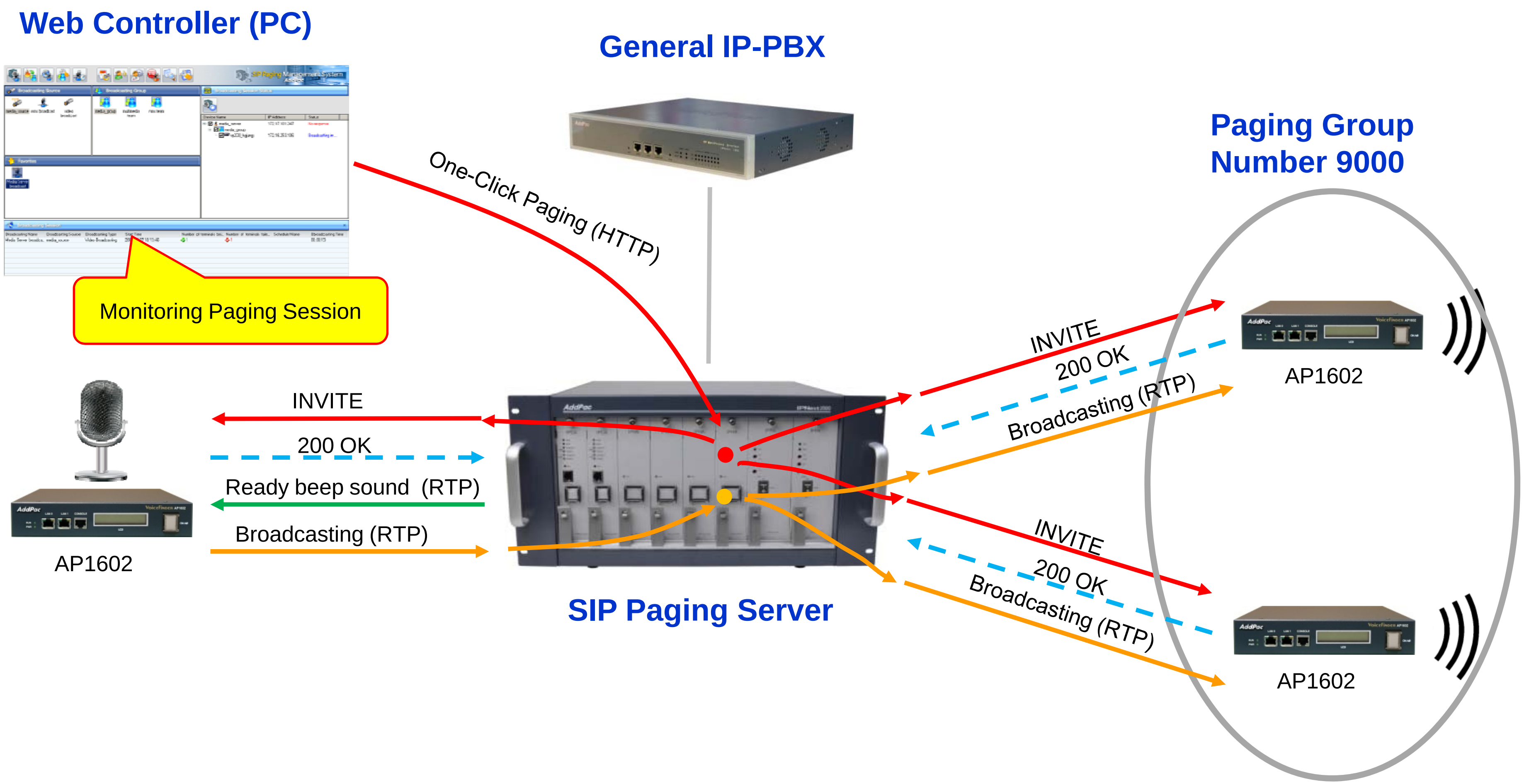
PSTN or Mobile Network Initiated Paging with IVR



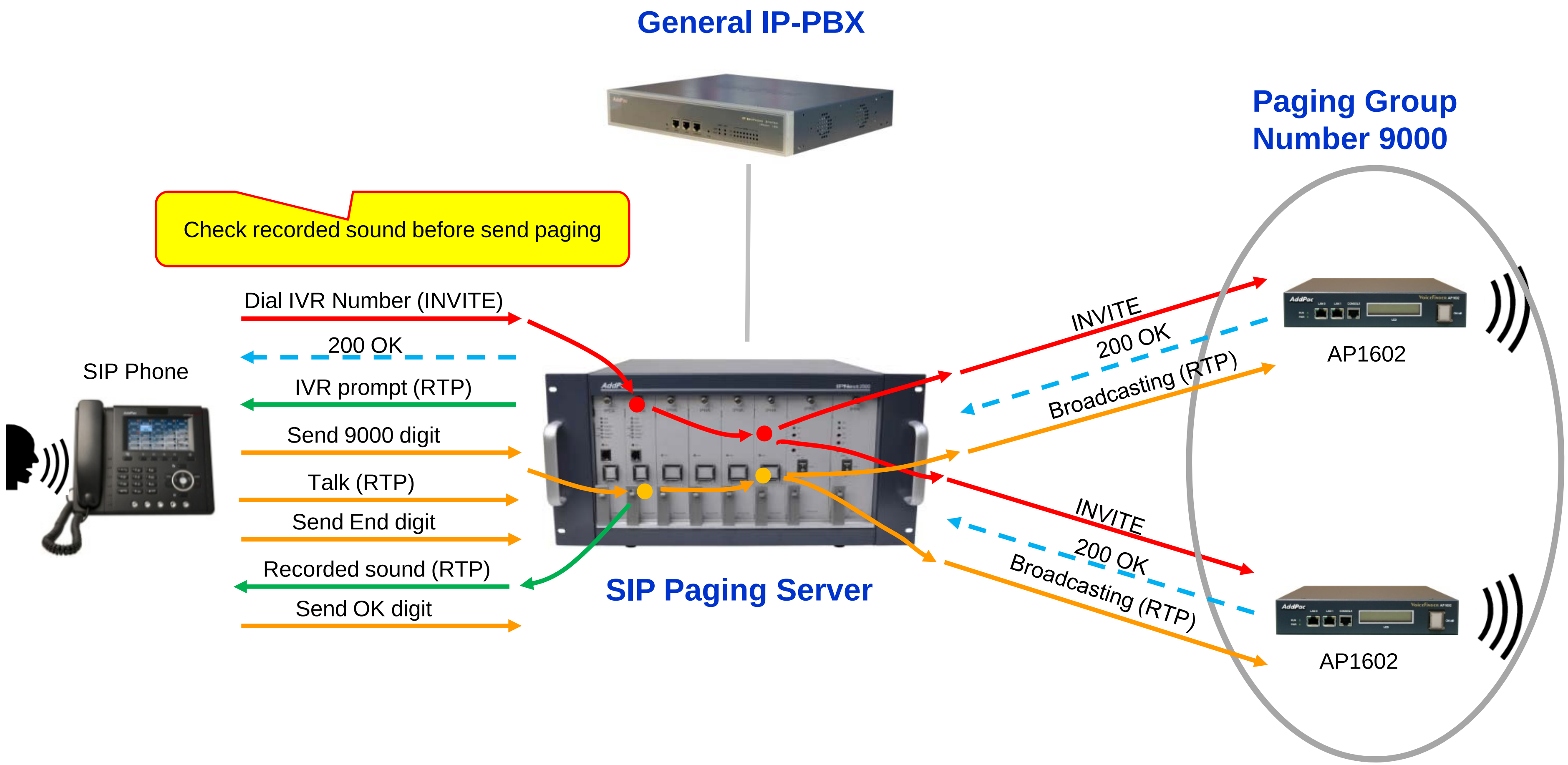
Web Controller Initiated Real-Time Paging (1)



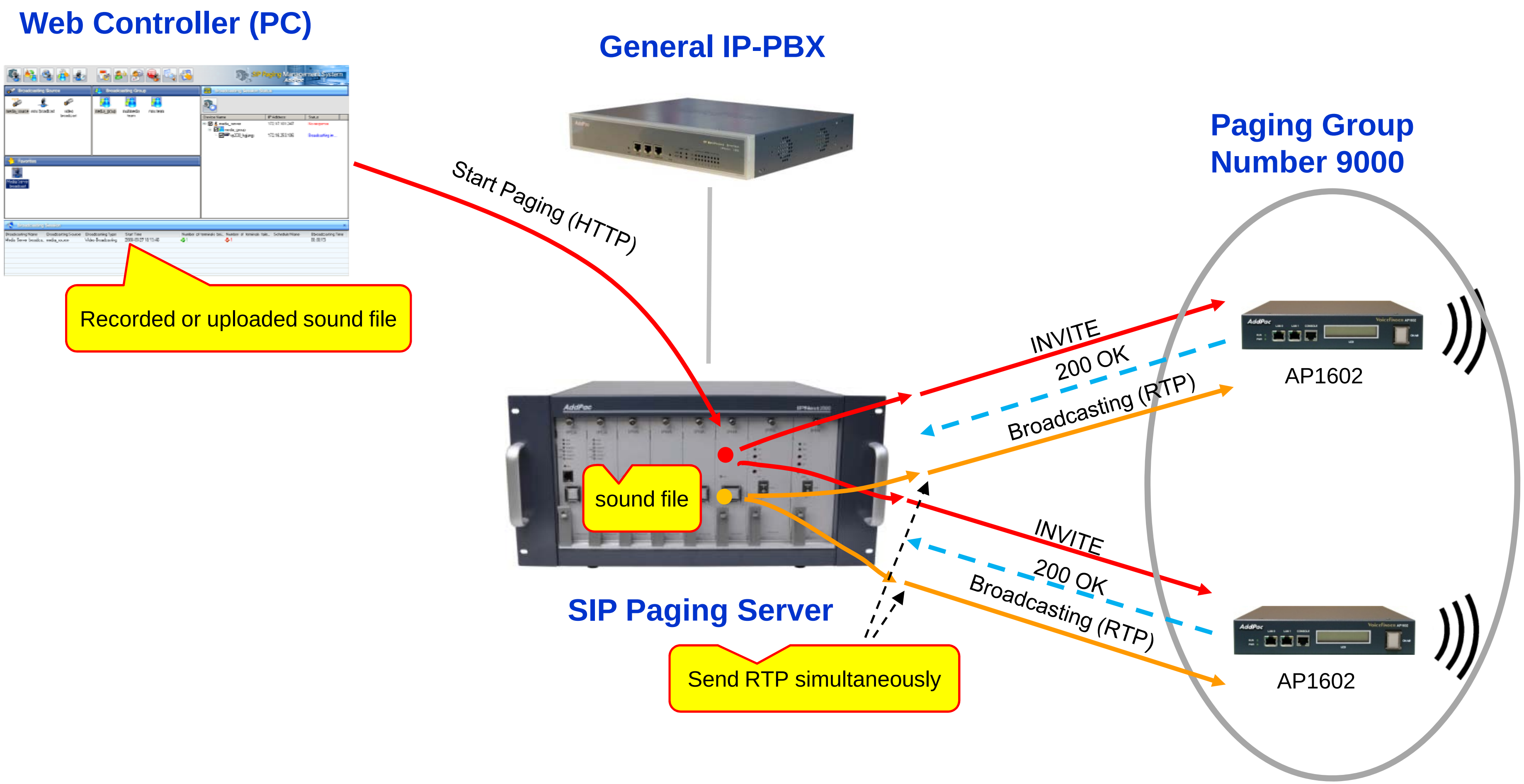
Web Controller Initiated Real-Time Paging (2)



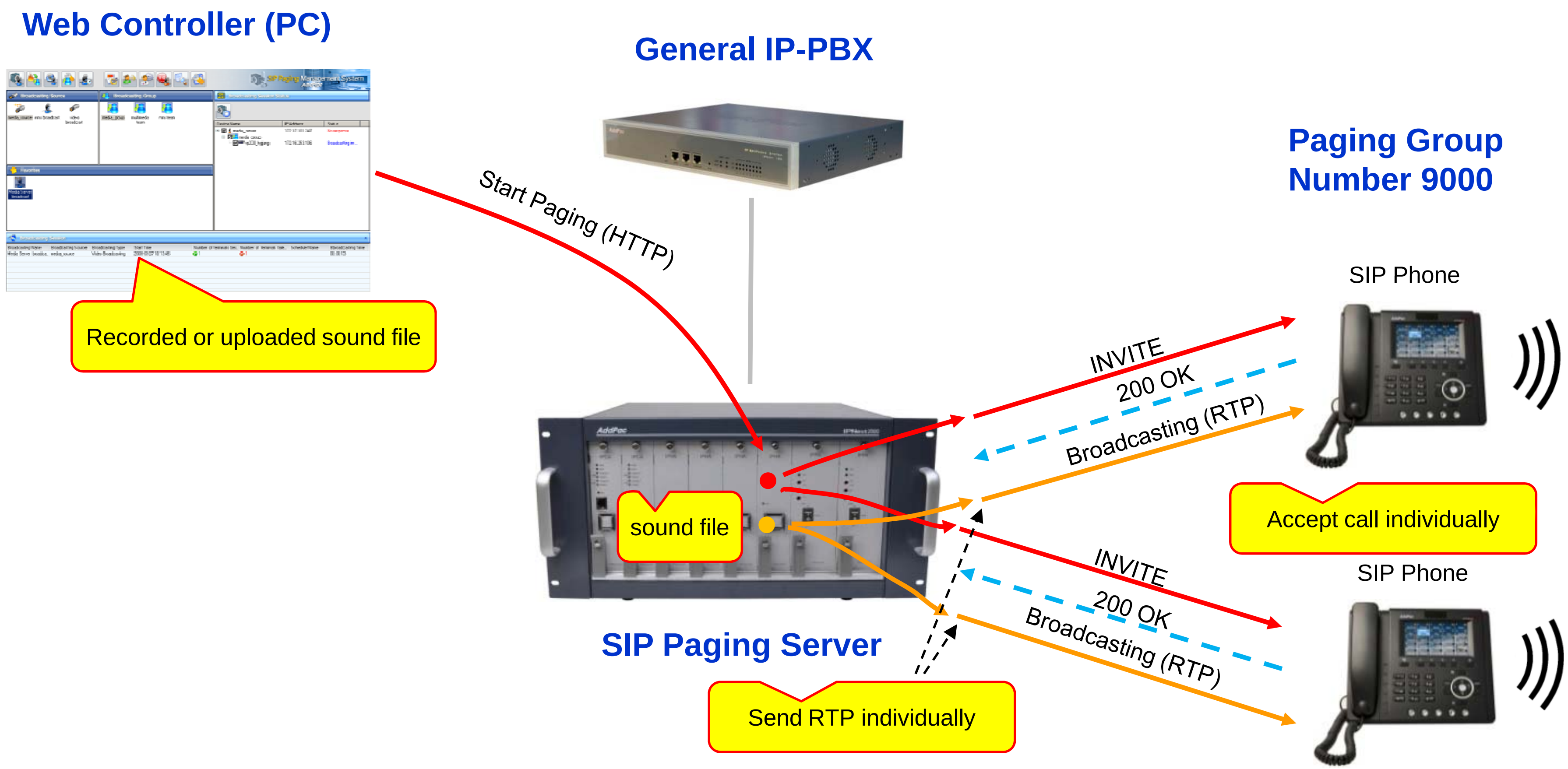
Add-hoc Paging with IVR



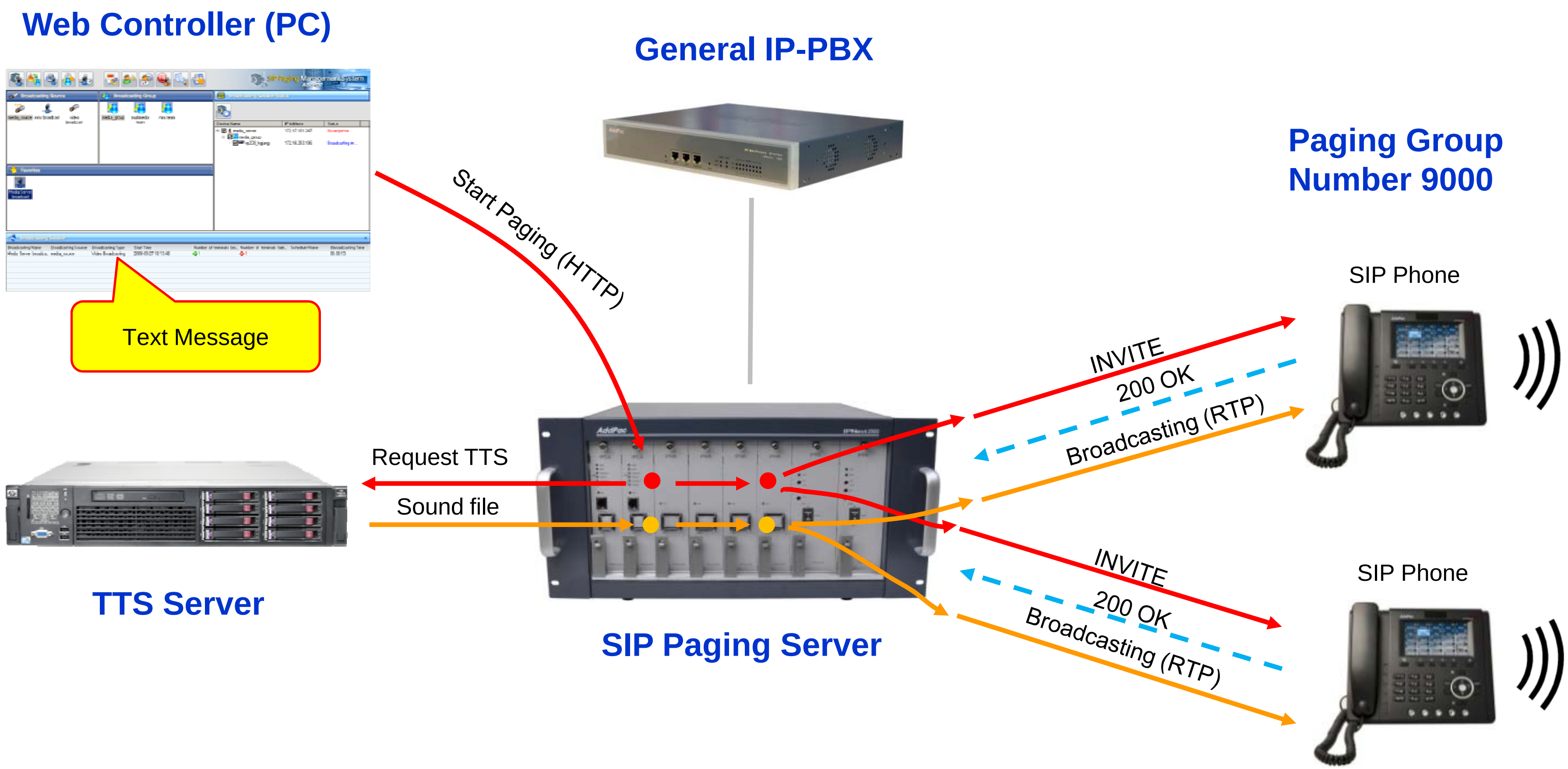
Recorded Paging with Simultaneous Casting



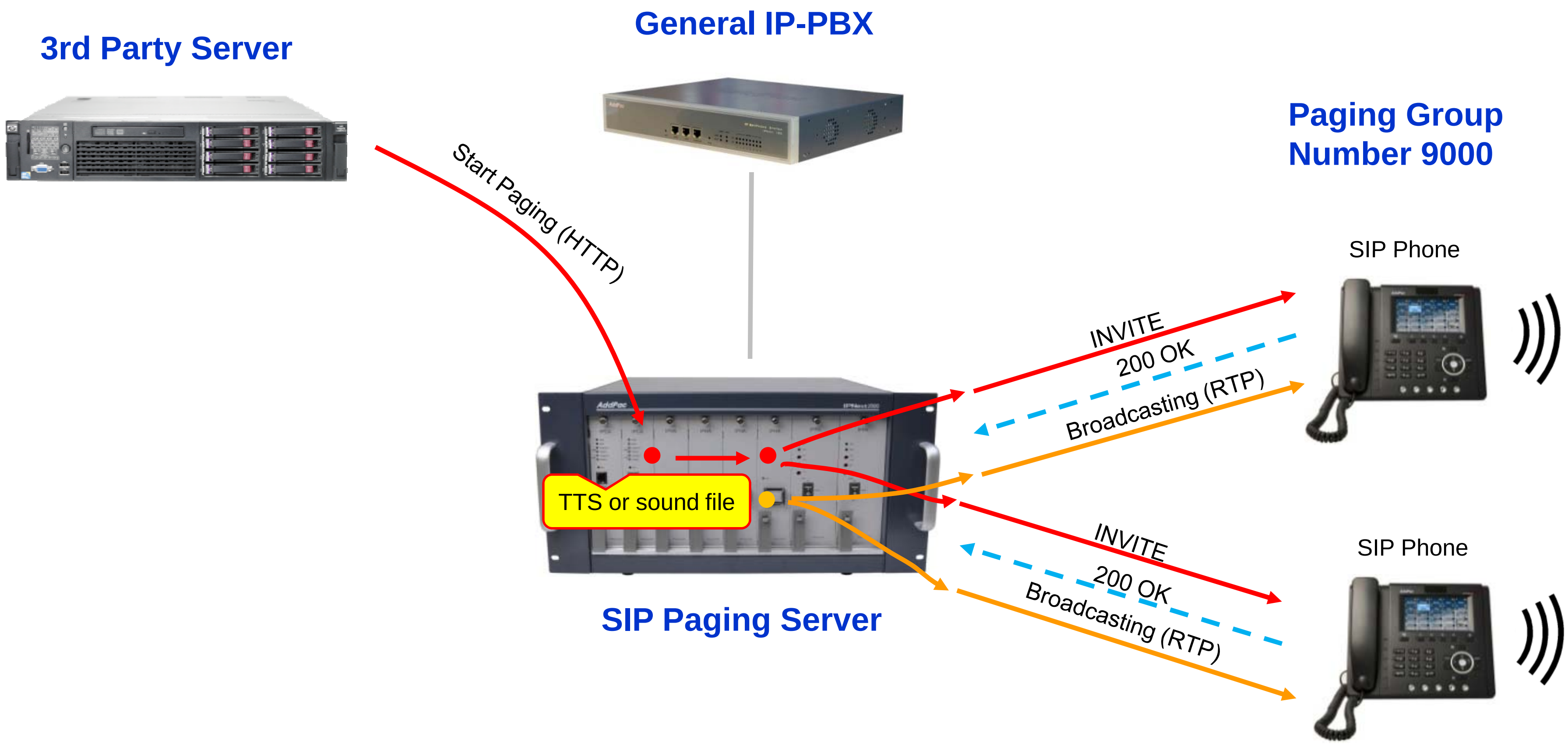
Recorded Paging with Individual Casting



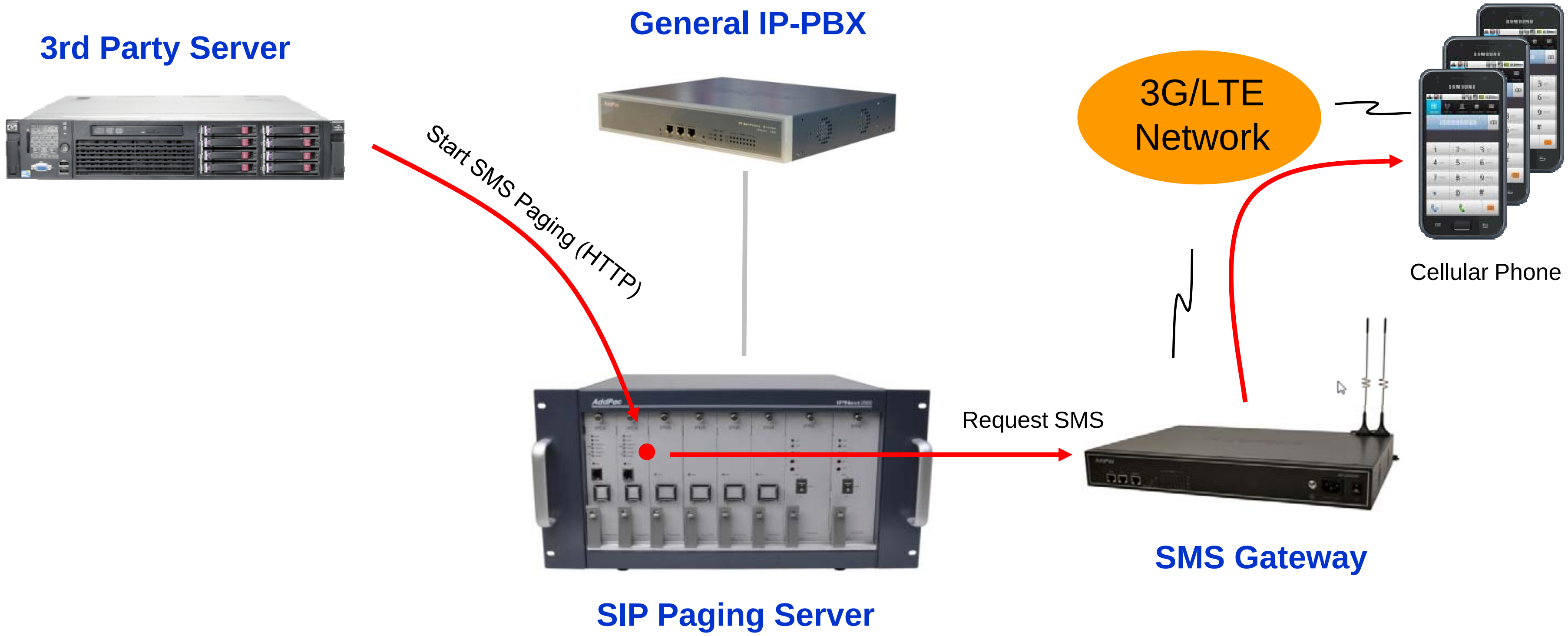
TTS (Text to Speech) Paging



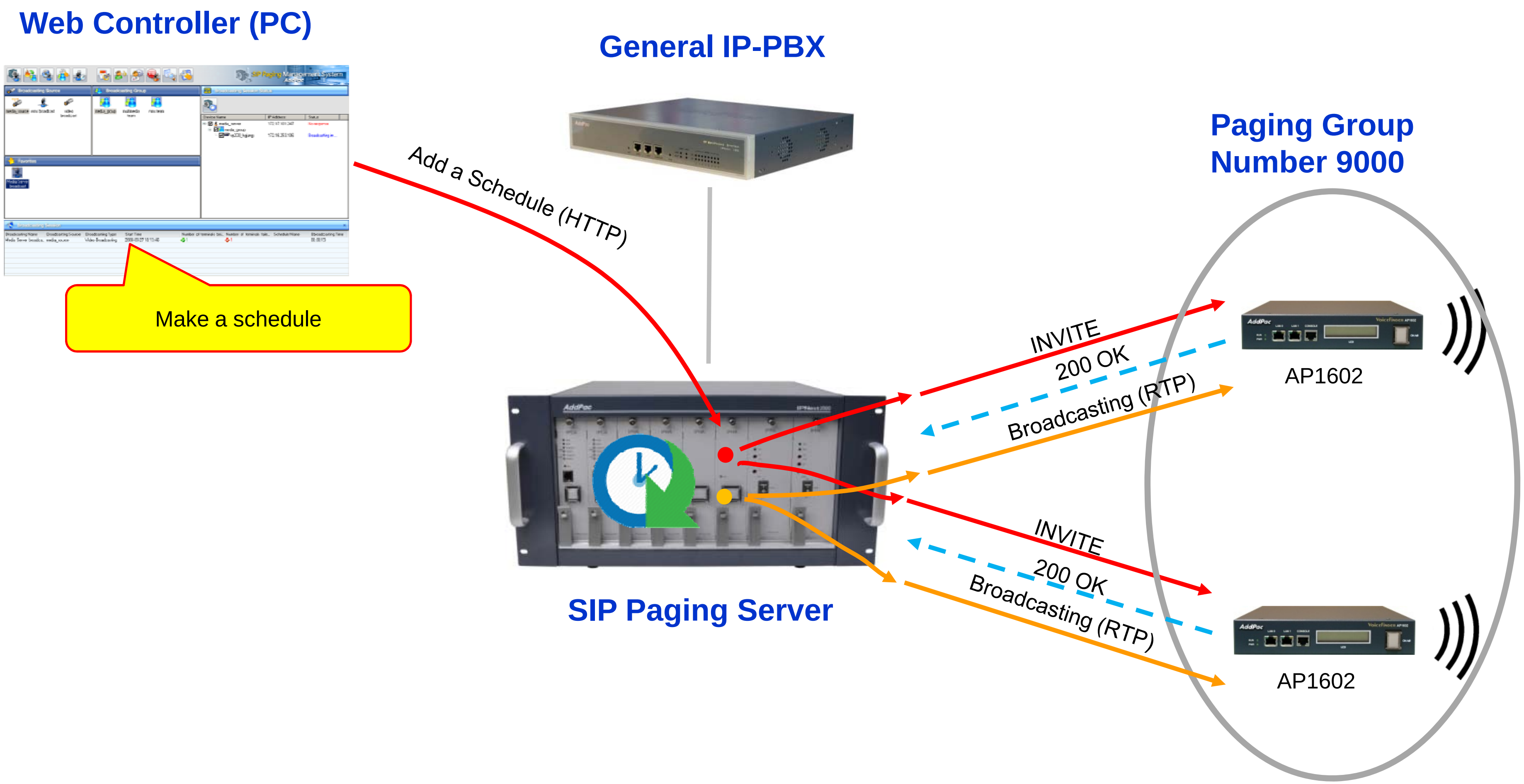
Audio Paging by HTTP API



SMS Paging by HTTP API



Scheduled Paging



SIP Paging Server

AP-SPS10000 SIP Paging Server (Commercial Server)

Product Overview

AP-SPS10000 SIP Paging Server

- Commercial Server Hardware Platform
- Linux Operating System
- 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 Phone, etc) Beside AddPac Product
- Paging Service Support via SIP IP Phone
- Paging Service Support via AddPac Smart Communicator (PC based AddPac Multimedia Manager)
- TTS Paging Service Support
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture

AP-SPS2000 SIP Paging Servers

Product Overview

AP-SPS2000 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 Phone, etc) Beside AddPac Product
- Paging Service Support via SIP IP Phone
- Paging Service Support via AddPac Smart Communicator (PC based AddPac Multimedia Manager)
- TTS Paging Service Support
- Dual System Redundancy Architecture
  - Two(2) Gigabit Ethernet Interface / System
- High Performance RISC Architecture
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Dual Redundancy Power Module

Hardware Specification

AP-SPS2000 SIP Paging Server

- 64bit High-End Microprocessor Computing Power
- Main Chassis
  - Dual Redundancy CPU Boards for System Fault Tolerant
    - Two(2) 10/100/1000Mbps Gigabit Ethernet
    - One(1) RS-232C Console (RJ45)
    - Two(2) 3.5 Inch Hard Disk Interface Slot (RAID 1)
  - Dual Redundancy Power Supply Module
  - Hot-Swap Features

AP-SPS2000 Front Side

Hardware Specification

AP-SPS2000 SIP Paging Server

AP-SPS2000 Back Side

FANs for Air Cooling

LAN0 for Active CPU

LAN1 for Active CPU

LAN0 for Standby CPU

LAN1 for Standby CPU

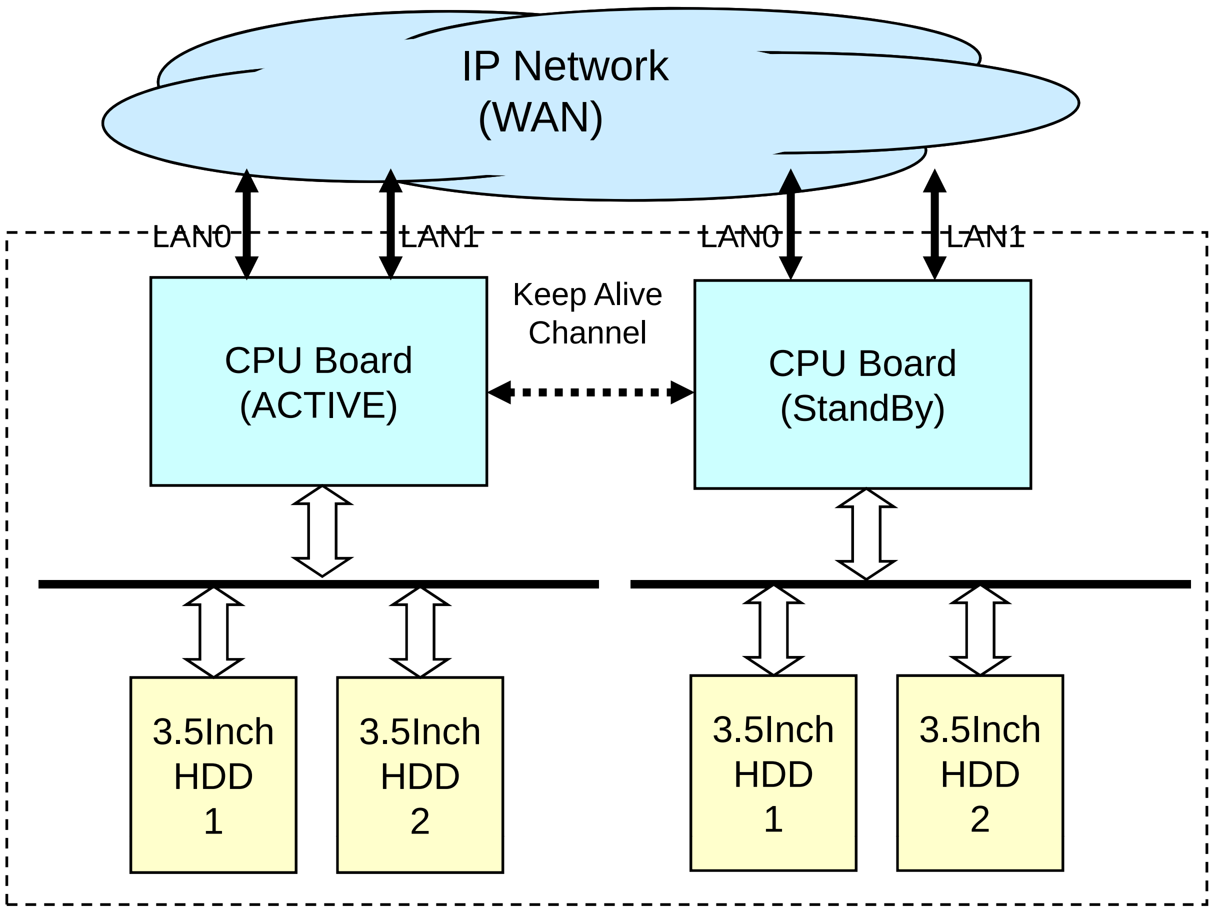
Plug for PSU Module B

Plug for PSU Module A

System Redundancy Features

AP-SPS2000 SIP Paging Server

AP-SPS2000 System Block Diagram



AP-SPS600 SIP Paging Server

Product Overview

AP-SPS600 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 Phone, etc) Beside AddPac Product
- Paging Service Support via SIP IP Phone
- Paging Service Support via AddPac Smart Communicator (PC based AddPac Multimedia Manager)
- TTS Paging Service Support
- Dual System Redundancy Architecture
  - Two(2) Fast Ethernet Interface / System
- High Performance RISC Architecture
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Dual Redundancy Power Module

Hardware Specification

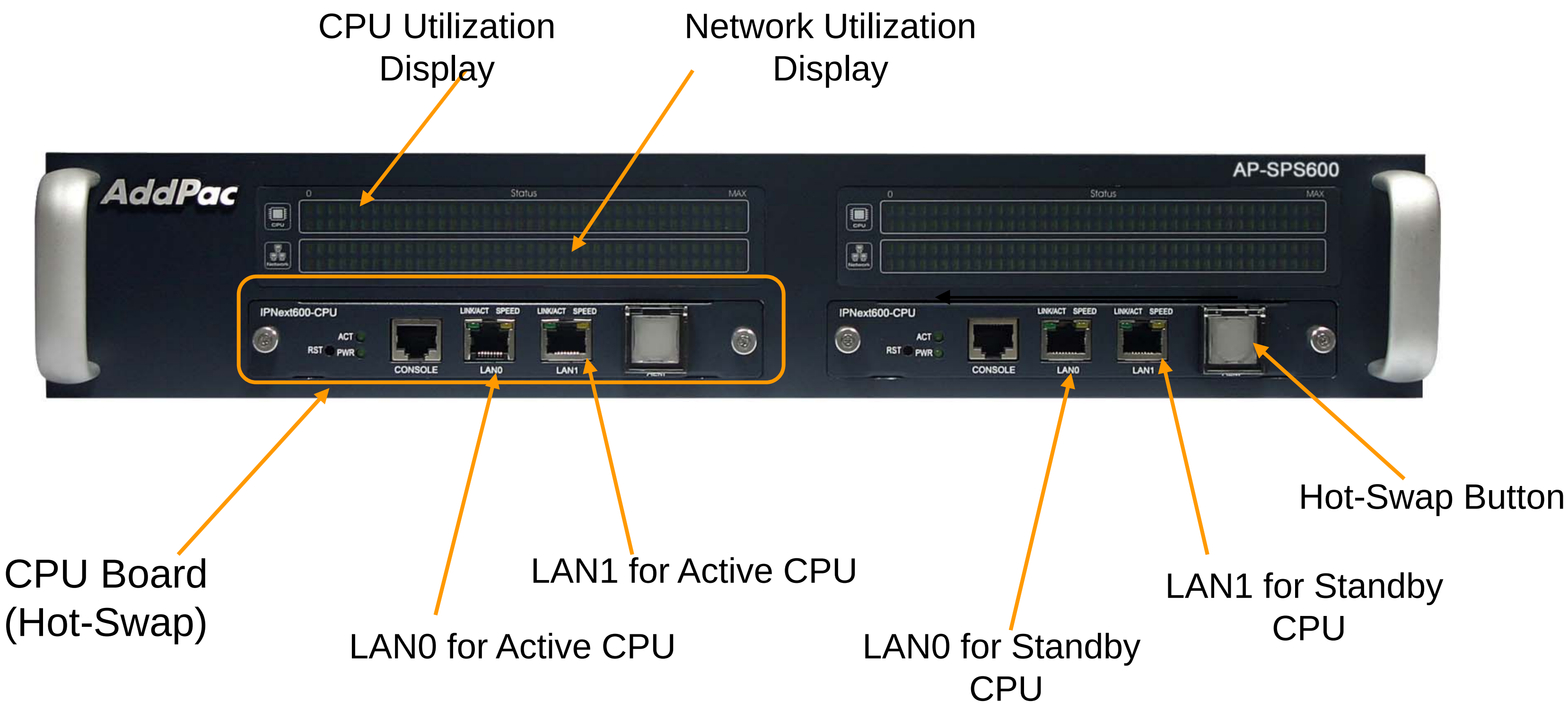
AP-SPS600 SIP Paging Server

- 64bit High-End Microprocessor Computing Power
- Main Chassis
  - Dual Redundancy CPU Boards for System Fault Tolerant
    - Two(2) 10/100Mbps Fast Ethernet
    - One(1) RS-232C Console (RJ45)
  - Dual Redundancy Power Supply Module
  - Hot-Swap Features

Hardware Specification

AP-SPS600 SIP Paging Server

AP-SPS600 Front Side



Hardware Specification

AP-SPS600 SIP Paging Server

AP-SPS600 Back Side

Dual Power Supply Modules (Hot-Swap)

PSU Module A

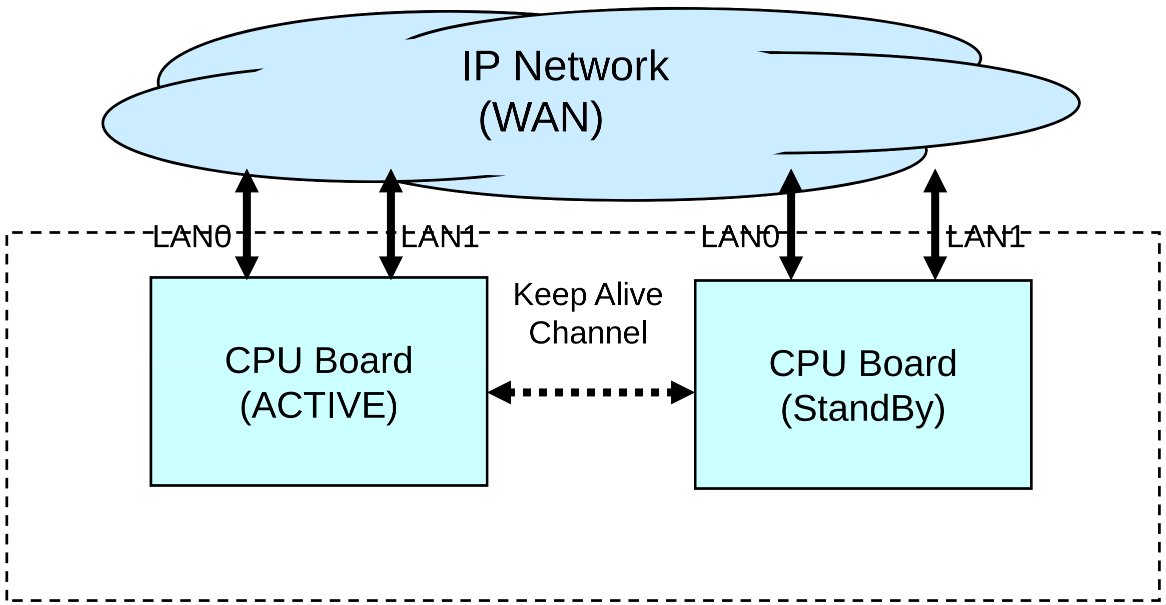
PSU Module B

Power On/Off Switch for System

System Redundancy Features

AP-SPS600 SIP Paging Server

AP-SPS600 System Block Diagram



SIP Paging Terminals

AP2620
SIP VoIP Gateway +
SIP Audio Broadcasting Terminal

Product Overview

AP2620 SIP Audio Broadcasting Terminal

- High Performance VoIP Gateway Solution
- SIP Protocol based Audio Broadcasting Terminal Solution
- RTP (Real-time Transport Protocol) Support for Media Transmission
- IP based Audio Broadcasting Terminal Solution (AddPac Proprietary Protocol)
- Hardware Architecture for Audio Broadcasting Terminal Service
- Two(20 Module Slot for VoIP Gateway + Audio Encoding & Decoding Service
- Remote Broadcasting Service at terminal side
- VoIP Codec Support (G.711, G.726, etc)
- Unicast and Multicast Broadcasting Scheme
- SPMS (SIP Paging Management Software) Support (Paging Server Side)
- Various Audio Broadcasting Module Support
- Firmware Upgradeable Architecture
- Broadcasting Solution with Outstanding Network Service Capability

Hardware Specification

AP2620 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- Two(2) Module Slot for Audio Broadcasting Codec Module
- VoIP Audio Encoding/Decoding Service
- Two(2) 10/100Mbps Fast Ethernet Interface
- Option Module : AP-AUDIO2
  - Two(2) 3.5mm Audio Input/Output Interface
- Option Module : AP-AUD1S3
  - One(1) 3.5mm Audio Input/Output Interface
  - Three(3) FXS VoIP Interface

Hardware Specification

AP2620 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

AP2620 Front Side

Two(2) 10/100Mbps LAN

RS232C Console

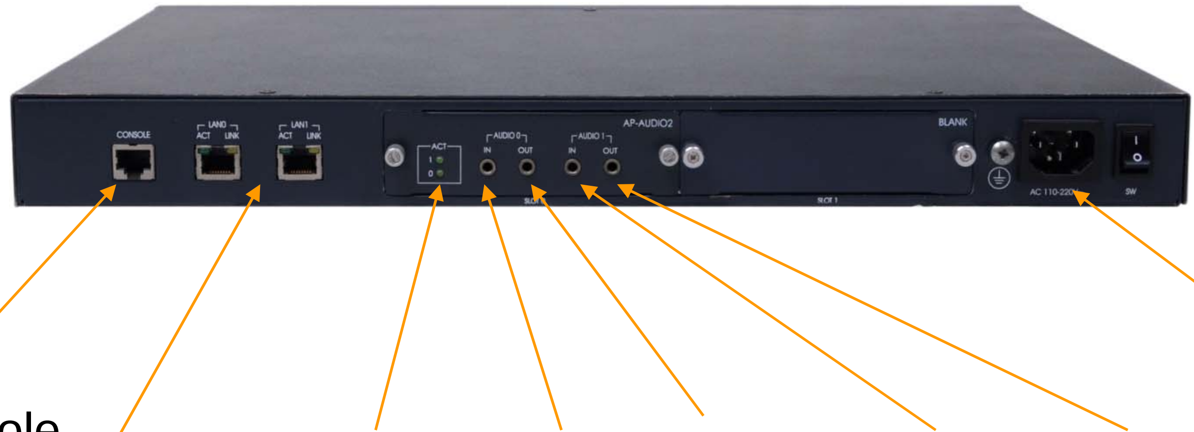
Hardware Specification

AP2620 SIP Audio Broadcasting Terminal

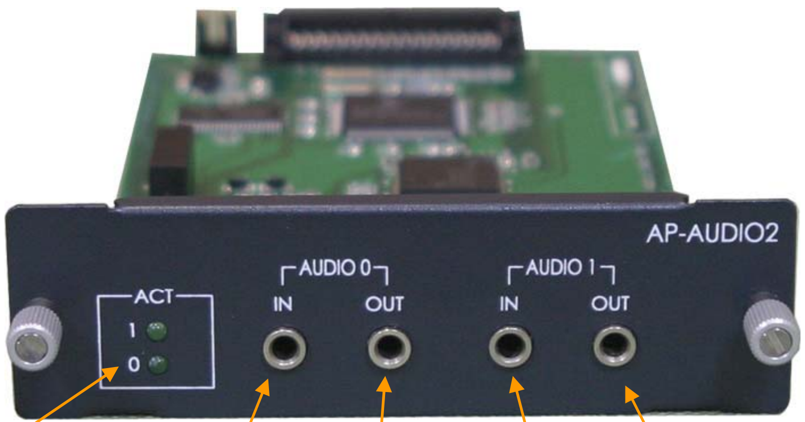
RISC CPU

High-end DSP

AP2620 Back Side



AP-AUDIO2 Board

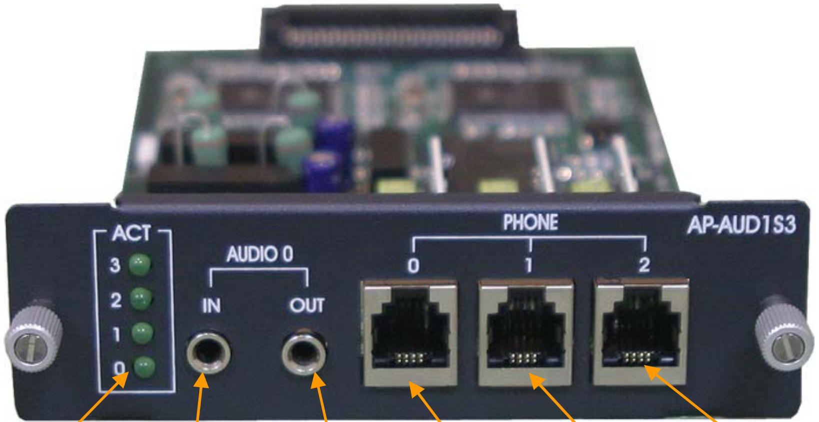


Audio Port Active LED

Audio Input | Audio Output | Audio Input | Audio Output

Audio 0 Channel | Audio 1 Channel

AP-AUD1S3 Board



Audio Port Active LED

Audio Input

Audio Output

FXS Port 0

FXS Port 1

FXS Port 2

Audio 0 Channel

AP2620 Audio Module

Audio Module Type	Audio Module Features
AP-AUDIO2 	Two(2)-Channel Audio In/Out Port
	Audio Encoding/Decoding Service
	Audio IN : MIC IN Audio OUT :Line OUT 3.5mm Stereo JACK
	G.711, G.726, G.729A, G.723.1 Audio Codec

Hardware Specification

AP2620 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

AP2620 Audio Module

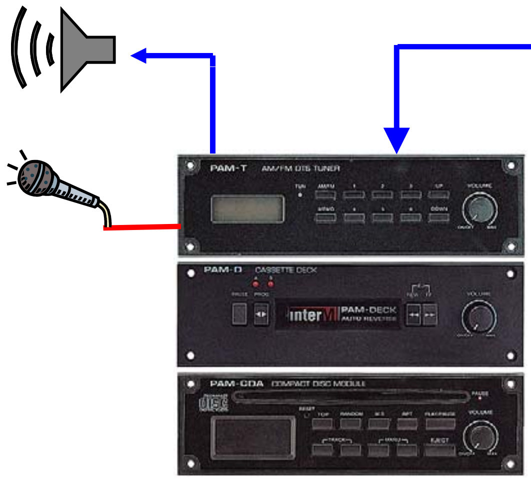
Audio Module Type	Audio Module Features
AP-AUD1S3 	One(1)-Channel Audio In/Out Port
	Audio Encoding/Decoding Service
	Audio IN : MIC IN Audio OUT :Line OUT 3.5mm Stereo JACK
	Three(3) FXS Port Interface (RJ11 x 3)
	G.711, G.726, G.729A, G.723.1 Audio Codec

AP-AUDIO2 Module

AP2620 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP



G.7xx Voice codec realizes IP voice broadcasting service
Real time VoIP Broadcasting Service using RTP (Real-time Transport Protoco) Protocol

Headphon
e

AP1602

SIP Audio Broadcasting Terminal

www.addpac.com

Product Overview

AP1602 SIP Audio Broadcasting Terminal

- SIP Protocol based Audio Broadcasting Terminal Solution
- RTP (Real-time Transport Protocol) Support for Media Transmission
- IP based Audio Broadcasting Terminal Solution (AddPac Proprietary Protocol)
- Hardware Architecture for Audio Broadcasting Terminal Service
- One(1) Module Slot for Audio Encoding & Decoding Service
- Remote Broadcasting Service at terminal side
- VoIP Codec Support (G.711, G.726, etc)
- Unicast and Multicast Broadcasting Scheme
- SPMS (SIP Paging Management Software) Support
- Various Audio Broadcasting Module Support
- On-AIR Blue LAMP
- Firmware Upgradeable Architecture
- Broadcasting Solution with Outstanding Network Service Capability

Hardware Specification

AP1602 SIP Audio Broadcasting Terminal

- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- One(1) Module Slot for Audio Broadcasting Codec Module
- VoIP Audio Encoding/Decoding Service
- ON-AIR Blue LAMP
- Two(2) 10/100Mbps Fast Ethernet Interface
- Option Module : AP-AUDIO2
  - Two(2) 3.5mm Audio Input/Output Interface
- Option Module : AP-AUD1S3
  - One(1) 3.5mm Audio Input/Output Interface
  - Three(3) FXS VoIP Interface

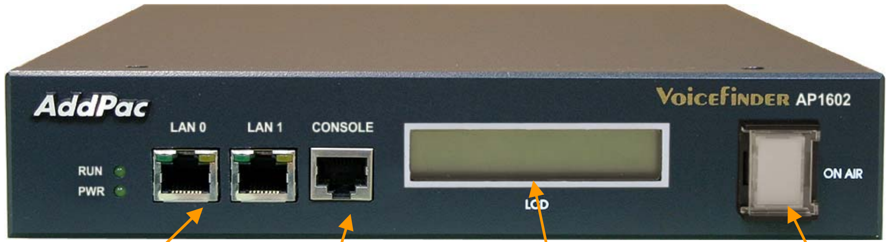
Hardware Specification

AP1602 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

AP1602 Front Side



Two(2) 10/100Mbps LAN

RS232C Console

Status LCD

On-Air Blue LAMP & Switch

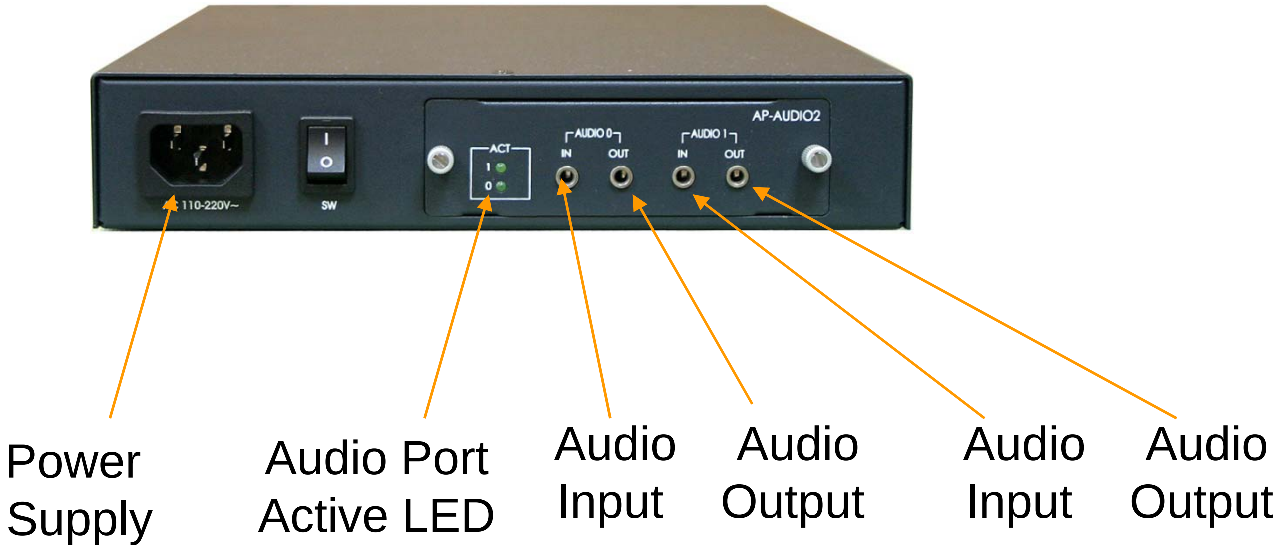
Hardware Specification

AP1602 SIP Audio Broadcasting Terminal

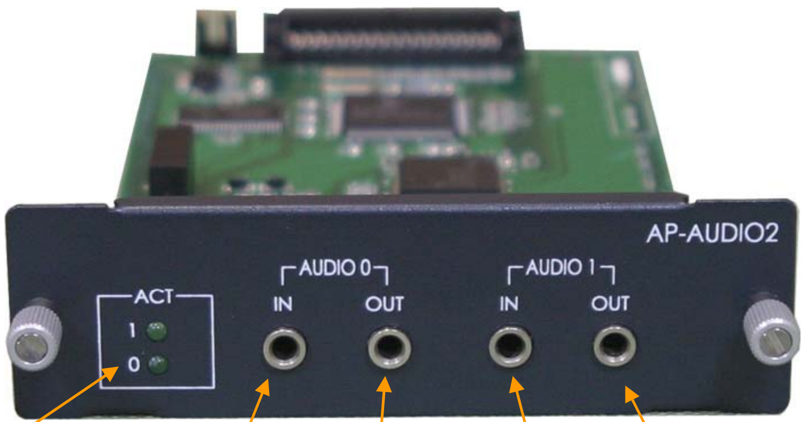
RISC CPU

High-end DSP

AP1602 Back Side



AP-AUDIO2 Board



Audio Port Active LED

Audio Input | Audio Output | Audio Input | Audio Output

Audio 0 Channel

Audio 1 Channel

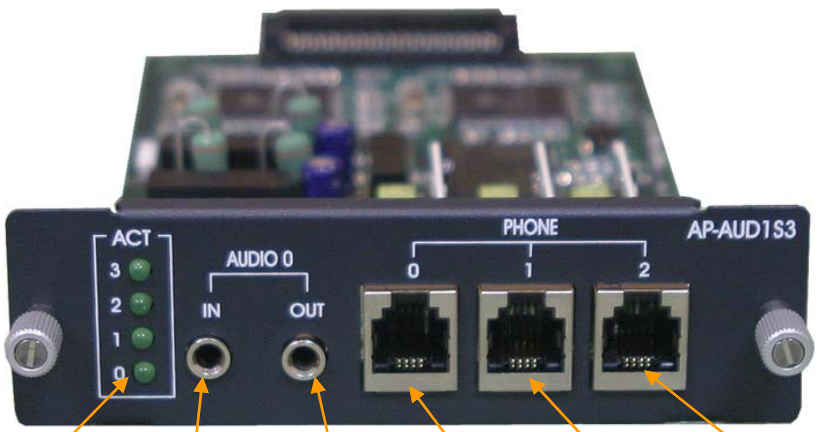
Hardware Specification

AP1602 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

AP-AUD1S3 Board



Audio Port Active LED

Audio Input

Audio Output

FXS Port 0

FXS Port 1

FXS Port 2

Audio 0 Channel

AP1602 Audio Module

Audio Module Type	Audio Module Features
AP-AUDIO2 	Two(2)-Channel Audio In/Out Port
	Audio Encoding/Decoding Service
	Audio IN : MIC IN Audio OUT :Line OUT 3.5mm Stereo JACK
	G.711, G.726, G.729A, G.723.1 Audio Codec

AP1602 Audio Module

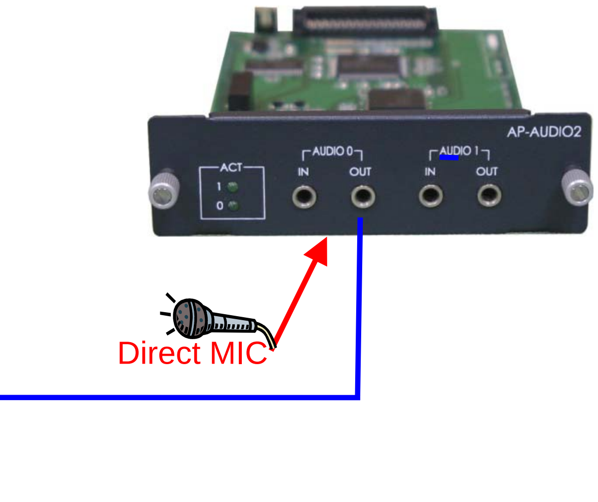
Audio Module Type	Audio Module Features
AP-AUD1S3	One(1)-Channel Audio In/Out Port
	Audio Encoding/Decoding Service
	Audio IN : MIC IN Audio OUT :Line OUT 3.5mm Stereo JACK
	Three(3) FXS Port Interface (RJ11 x 3)
	G.711, G.726, G.729A, G.723.1 Audio Codec

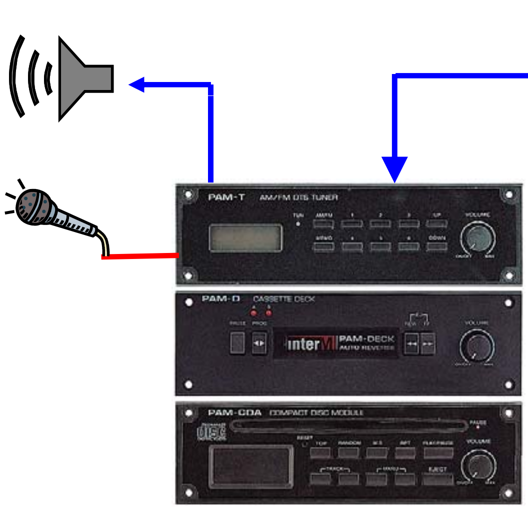
AP-AUDIO2 Module

AP1602 SIP Audio Broadcasting Terminal

RISC
CPU

High-end
DSP





G.7xx Voice codec realizes IP voice broadcasting service
Real time VoIP Broadcasting Service using RTP (Real-time Transport Protoco) Protocol

Headphone

AP1605

SIP Audio Broadcasting Terminal

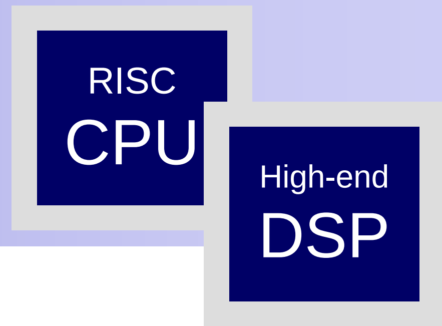
Product Overview

AP1605 SIP Audio Broadcasting Terminal

- SIP Protocol based Audio Broadcasting Terminal Solution
- RTP (Real-time Transport Protocol) Support for Media Transmission
- IP based Audio Broadcasting Terminal Solution (AddPac Proprietary Protocol)
- Hardware Architecture for Audio Broadcasting Terminal Service
- One(1) Module Slot for Audio Encoding & Decoding Service
- Remote Broadcasting Service at terminal side
- High Quality Audio Codec Support (High Quality Codec, G.711, G.726, etc)
- Unicast and Multicast Broadcasting Scheme
- SPMS (SIP Paging Management Software) Support
- Optional Built-In Digital AMP.
- On-AIR Blue LAMP
- Volume Control Rotary Switch at front panel
- High-Quality Audio/Voice Service
- Firmware Upgradeable Architecture
- Broadcasting Solution with Outstanding Network Service Capability

Hardware Specification

AP1605 SIP Audio Broadcasting Terminal



- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- One(1) Module Slot for Audio Broadcasting Codec Module
- High Quality Audio Encoding/Decoding Service
- ON-AIR Blue LAMP
- Rotary Volume Control Switch
- Option Module : AP-N3-HQA1000
  - One(1) 10/100Mbps Fast Ethernet (RJ45)
  - One(1) RS-232C Interface (RJ45) for Command Line Interface
  - Stereo Audio Input/Output Connector
- Option Module : AP-N3-HQA1000A
  - One(1) 10/100Mbps Fast Ethernet (RJ45)
  - One(1) RS-232C Interface (RJ45) for Command Line Interface
  - Stereo Audio Input/Output Connector
  - Builit-in Audio AMP.

Hardware Specification

AP1605 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

AP1605 Front Side

Status LCD

Rotary Volume Control Switch

On-Air Blue LAMP

Hardware Specification

AP1605 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

AP1605 Back Side

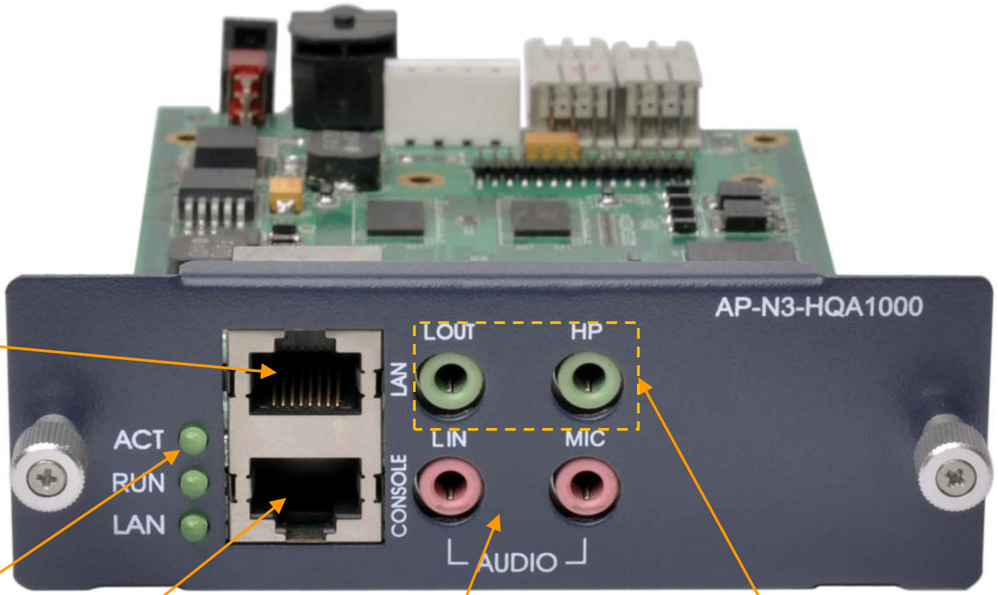
Hardware Specification

AP1605 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

AP-N3-HQA1000 Board



Fast Ethernet (LAN)

Audio Port Active LED

RS232C Console

Audio IN (MIC, Line IN)

Audio OUT (HP, Line OUT)

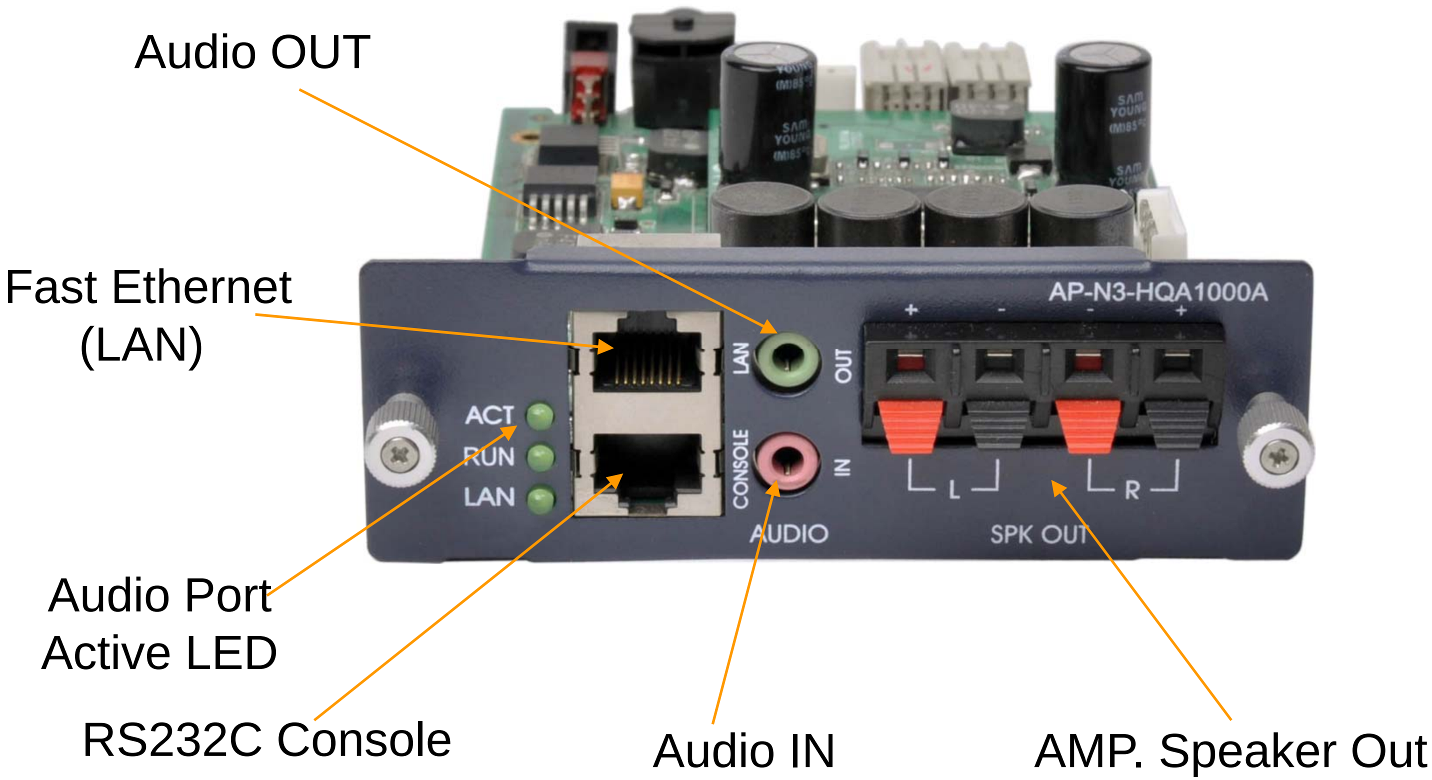
Hardware Specification

AP1605 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

AP-N3-HQA1000ABoard



Hardware Specification

AP1605 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP

AP1605 Audio Module

Audio Module Type	Audio Module Features
AP-N1-HQA1000	One(1)-Channel Audio In/Out Port
	One(1) Fast Ethernet Port
	One(1) RS232C Port
	Audio Encoding/Decoding Service
	Audio IN : MIC, Line IN Audio OUT : Headphone, Line OUT 3.5mm Stereo JACK
	High Quality Codec, G.711 Audio Codec

Hardware Specification

AP1605 SIP Audio Broadcasting Terminal

RISC
CPU

High-end
DSP

AP1605 Audio Module

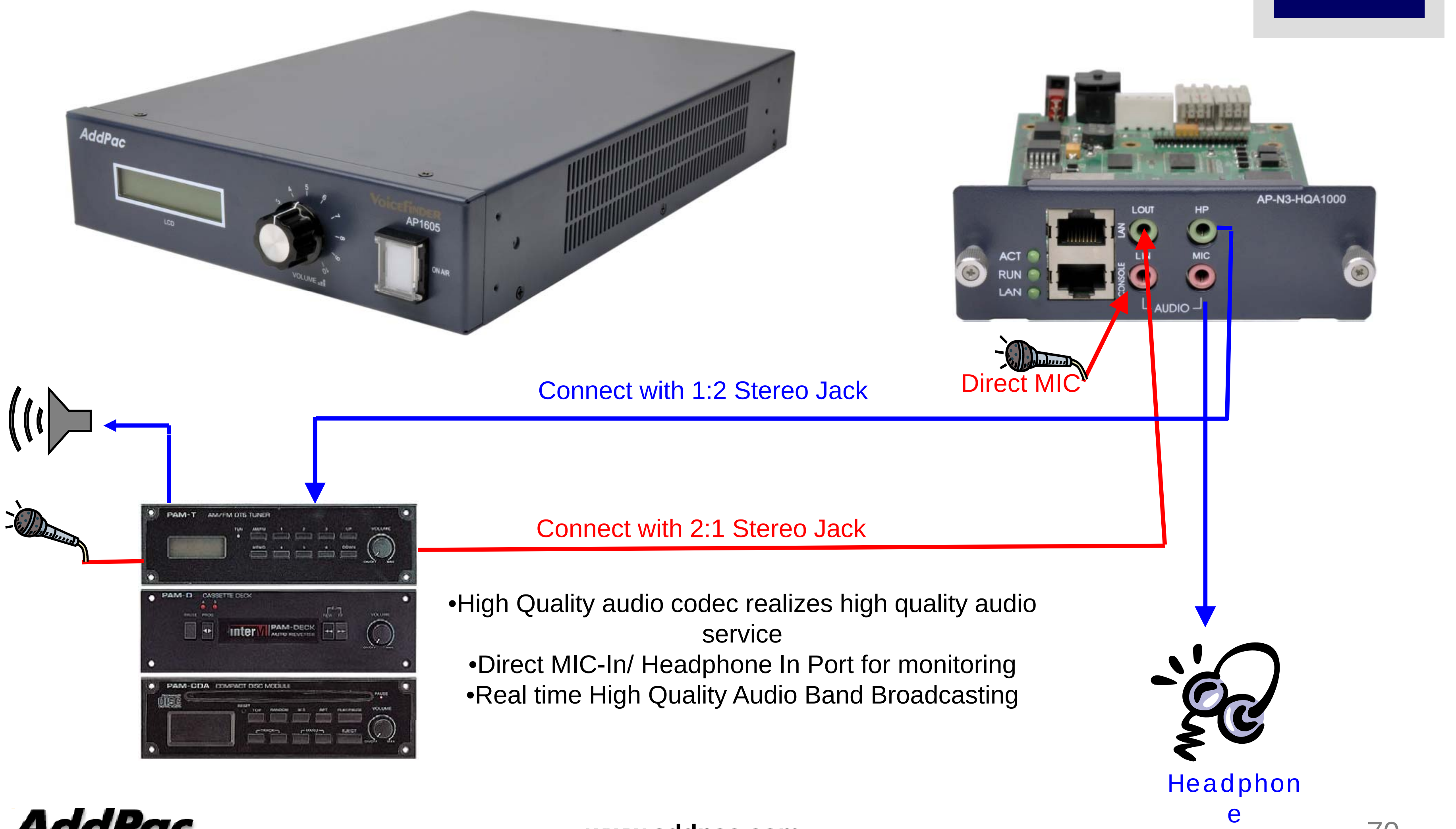
Audio Module Type	Audio Module Features
AP-N1-HQA1000A	One(1)-Channel Audio In/Out Port
	One(1) Fast Ethernet Port
	One(1) RS232C Port
	Audio Encoding/Decoding Service
	Audio IN Audio OUT AMP. Built-in Speaker Out (Left, Right) 4ohm Speaker : 50Watt 8ohm Speaker : 30Watt
	High Quality Codec, G.711 Audio Codec

AP-N3-HQ1000 Module

AP1605 SIP Audio Broadcasting Terminal

RISC CPU

High-end DSP



- High Quality audio codec realizes high quality audio service
- Direct MIC-In/ Headphone In Port for monitoring
- Real time High Quality Audio Band Broadcasting

SIP Phones for Paging Service

AP-IP300

SIP Broadcasting Phone

AP-IP300 AP-PT20 (40 Speed Dial Key)

Product Overview

AP-IP300 SIP Broadcasting Phone

- Premium IP Phone Solution
- SIP, H.323 Dual VoIP Signaling Stack
- SIP Paging Service Solution
- 25 Speed-Dial Button for Group Paging Service
- External Speed-Dial Extend Pack Support (AP-PT20, etc)
- Various VoIP Voice Codec Support (G.711,G.726, G.729A,G.7231.1,etc)
- High-performance Audio, and Voice Service
- Firmware Upgradeable Architecture
- VoIP Solution with Outstanding Network Service Capability
- Audio Privacy Protection

Hardware Specification

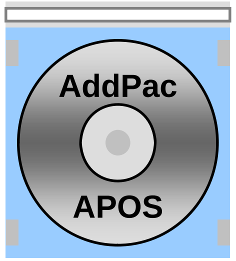
AP-IP300 SIP Broadcasting Phone

- RISC+DSP Microprocessor Computing Power
  (Dual Processor Architecture)
- High Quality 4.3 Inch Color LCD Panel
- 25 Speed Dial Key & User Presence Indication LED
- Optional PSTN Backup Interface
  - FXO Interface
- High quality Audio and Voice Interface
  - Stereo Audio Input Connector
  - Stereo Audio Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet
- USB Host Mode Interface
  - USB Memory(Flash, HDD), USB Keyboard, USB Mouse, USB Wifi
- Power Supply
  - Power over Ethernet
  - External Power Adaptor (5V, 3A)

Software Service

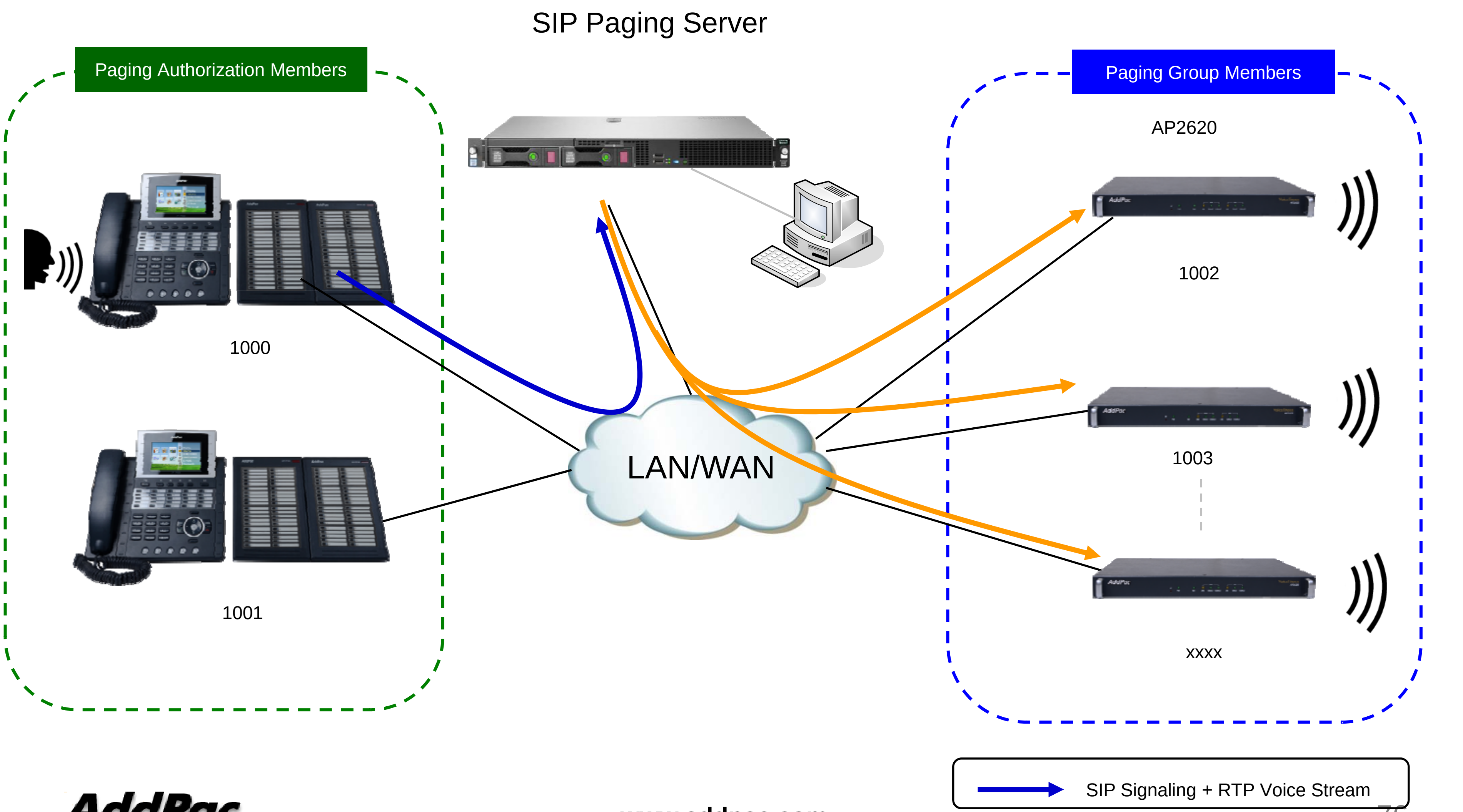
AP-IP300 SIP Broadcasting Phone

- Built-in AddPac APOS Internetworking Software
  - Scalability, Functionality, and Stability Features
  - Audio Traffic QoS Control
- Programmable Video, Audio, and Voice Services
  - Audio, and Voice Codec
- Firmware Upgradeable Architecture
- Industry Standard IP based Network Protocol Features



AP-IP300 SIP Broadcasting Phone

Application Area



AP-IP120

SIP Broadcasting Phone

AP-IP120 AP-PT20 (40 Speed Dial Key)

Product Overview

AP-IP120 SIP Broadcasting Phone

- IP Phone Solution
- SIP, H.323 Dual VoIP Signaling Stack
- SIP Paging Service Solution
- 12 Speed-Dial Key with Presence Indication Lamp
- External Speed-Dial Extend Pack Support (AP-PT20, etc)
- Various VoIP Voice Codec Support (G.711,G.726, G.729A,G.7231.1,etc)
- High-performance Audio, and Voice Service
- Firmware Upgradeable Architecture
- VoIP Solution with Outstanding Network Service Capability
- Audio Privacy Protection

Hardware Specification

AP-IP120 SIP Broadcasting Phone

- RISC+DSP Microprocessor Computing Power (Dual Processor Architecture)
- Optional PSTN Backup (FXO) Interface
- Optional PoE (Power over Ethernet)
- High quality Audio and Voice Interface
  - Stereo Audio Input Connector
  - Stereo Audio Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet
- LCD Window : Graphic LCD (4 Line Text)
- 12 Speed-Dial Key with Presence Indication LAMP
- Power Supply
  - External Power Adaptor (5V, 2A)

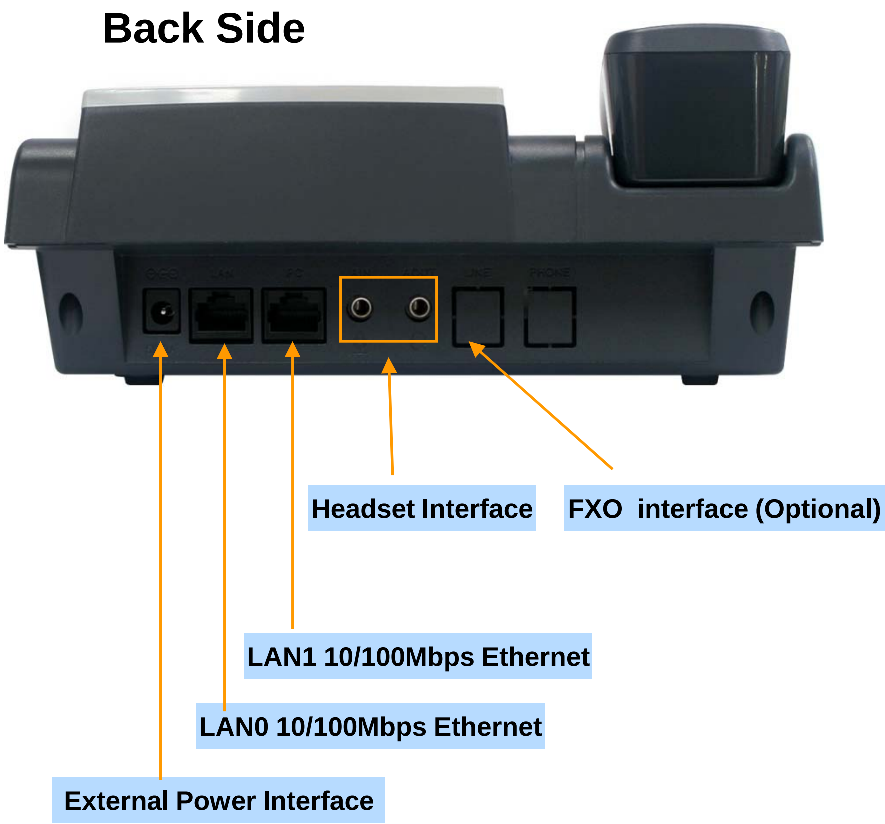
Hardware Specification

AP-IP120 SIP Broadcasting Phone

Hardware Specifications

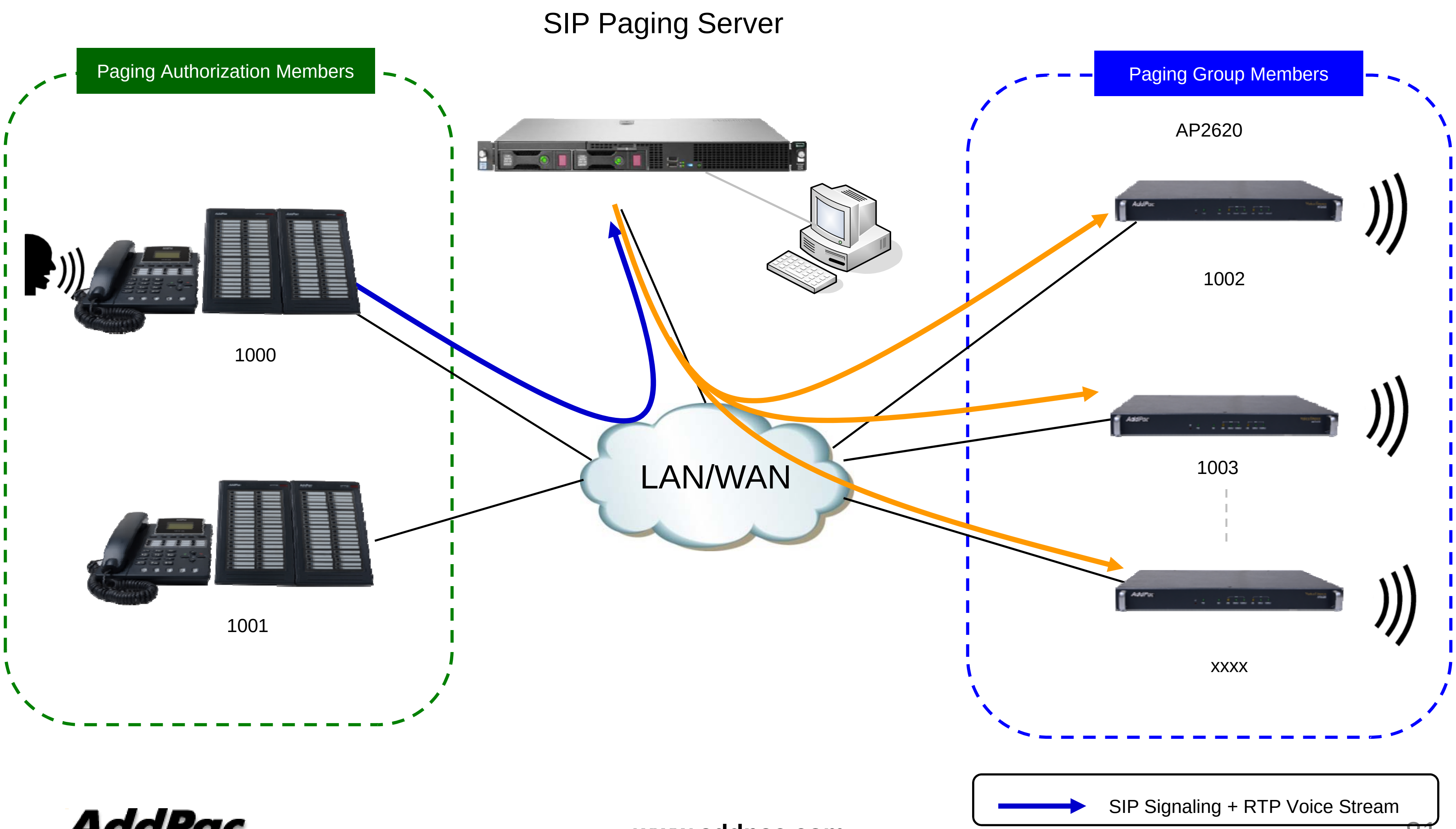
AP-IP120 SIP Broadcasting Phone	Basic Specifications
CPU	RISC Microprocessor
Ethernet Interface	2-Ports 10/100Mbps Ethernet Interface(RJ-45)
PSTN Backup Port (Optional)	1-Port PSTN Backup Port(RJ-11)
Flash Memory	4Mbyte High-speed Flash Memory
Base Memory	16Mbyte High-speed SDRAM
Power Requirement	External Power Supply Adaptor / VAC 110~220V, 50/60Hz, 10Watt(5V,2A)
	Power over Ethernet (option)
Operating Temperature	0ºC ~ 45ºC (32 ºF ~ 122ºF)
Storage Temperature	-40ºC ~ 85ºC (-40ºC ~ 185ºF)
Relative Humidity	5% ~ 95% (Non-condensing)
Dimensions	H x W x D (70mm x 200mm x 210mm)
Weight (g)	1Kg

Network interface Configurations



AP-IP120 SIP Broadcasting Phone

Application Area



AP-BCR5000
Broadcasting Router

AP-BCR5000

Real-time IP Audio Broadcasting Router

Product Overview

AP-BCR5000 IP Audio Broadcasting Router

- IP based Voice/Audio Broadcasting Router Solution
- High Performance Real-time Voice/Audio Broadcasting Service
- Audio(Voice) Broadcasting, Multicasting, Relay Broadcasting
- Multi-Session Voice/Audio Broadcasting Scheme
- High-performance Embedded System Architecture
- Firmware Upgradeable Architecture
- Multimedia Broadcasting Management Software (Client/Server Architecture)

Benefits and Features

AP-BCR5000 IP Audio Broadcasting Router

- RTP & RTSP based Streaming Service
- TCP/UDP Transport Protocol Support
- Two(2) Module Slots for Voice/Audio Streaming
- Embedded Streaming Service Module
- Fault Tolerant and High Reliability Service using Dual Streaming Service CPU Module
- Load Balance and Hot-Swap Service
- Compact Size, Low Noise and Low Power Consumption compare with Commercial Server
- IP based Network Protocol Support

Hardware Specification

AP-BCR5000 IP Audio Broadcasting Router

High-end
DSP

- High-end Programmable RISC Hardware Architecture
- Two(2) Module Slots for Audio Streaming Service
- Voice/Audio Streaming Service Module
  - Network Interface
    - Two(2) 10/100/1000Mbps Gigabit Ethernet
    - One(1) Console Port

Hardware Specification

AP-BCR5000 IP Audio Broadcasting Router

High-end
RISC

AP-BCR5000 Front View

Auio/Voice Streaming Service Module

Hardware Specification

AP-BCR5000 IP Audio Broadcasting Router

High-end
DSP

Audio/Voice Streaming Service Module

Blue Lamp

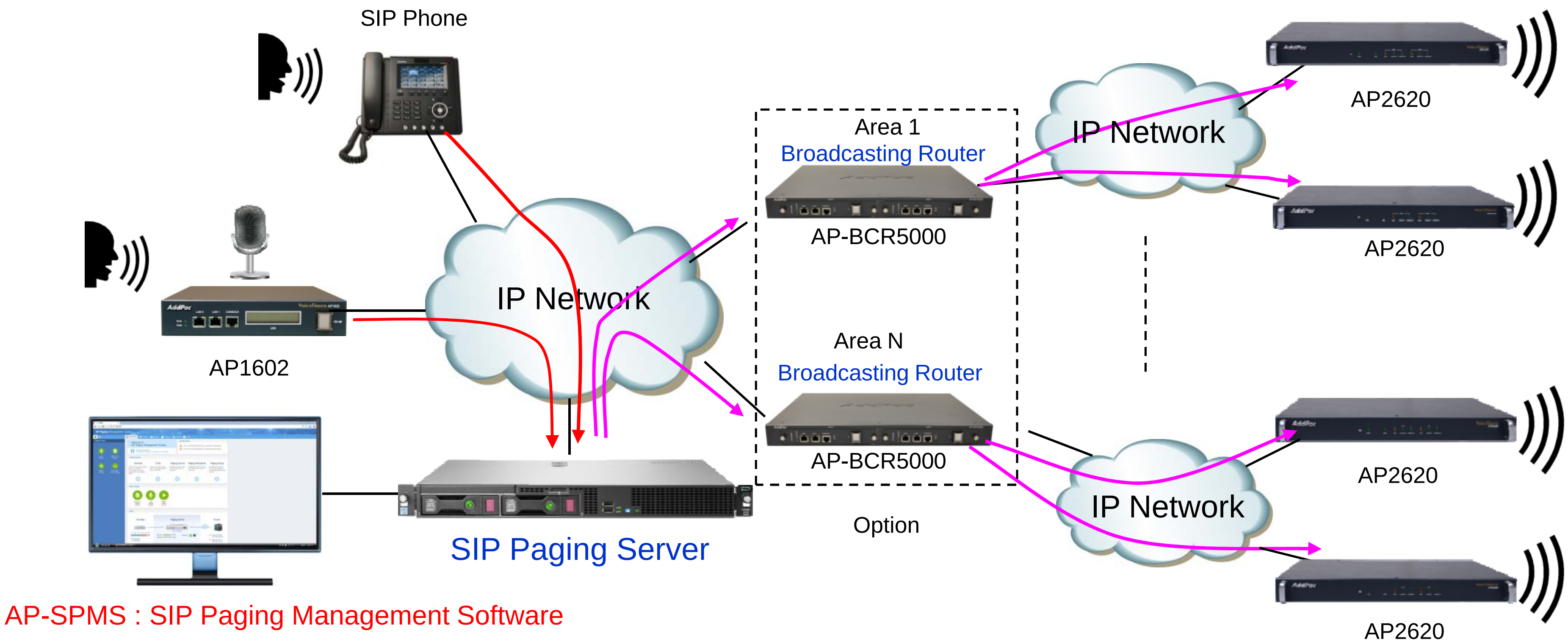
Gigabit Ethernet

Gigabit Ethernet

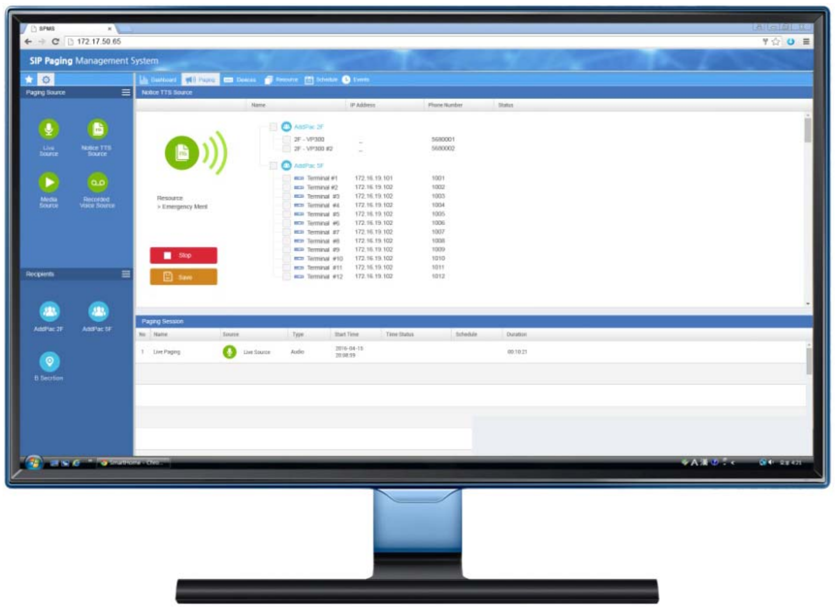
RS232C Console Port

SIP Paging Call Service Network Diagram

AP-BCR5000 IP Audio Broadcasting Router



AP-SPMS
SIP Paging Management Software



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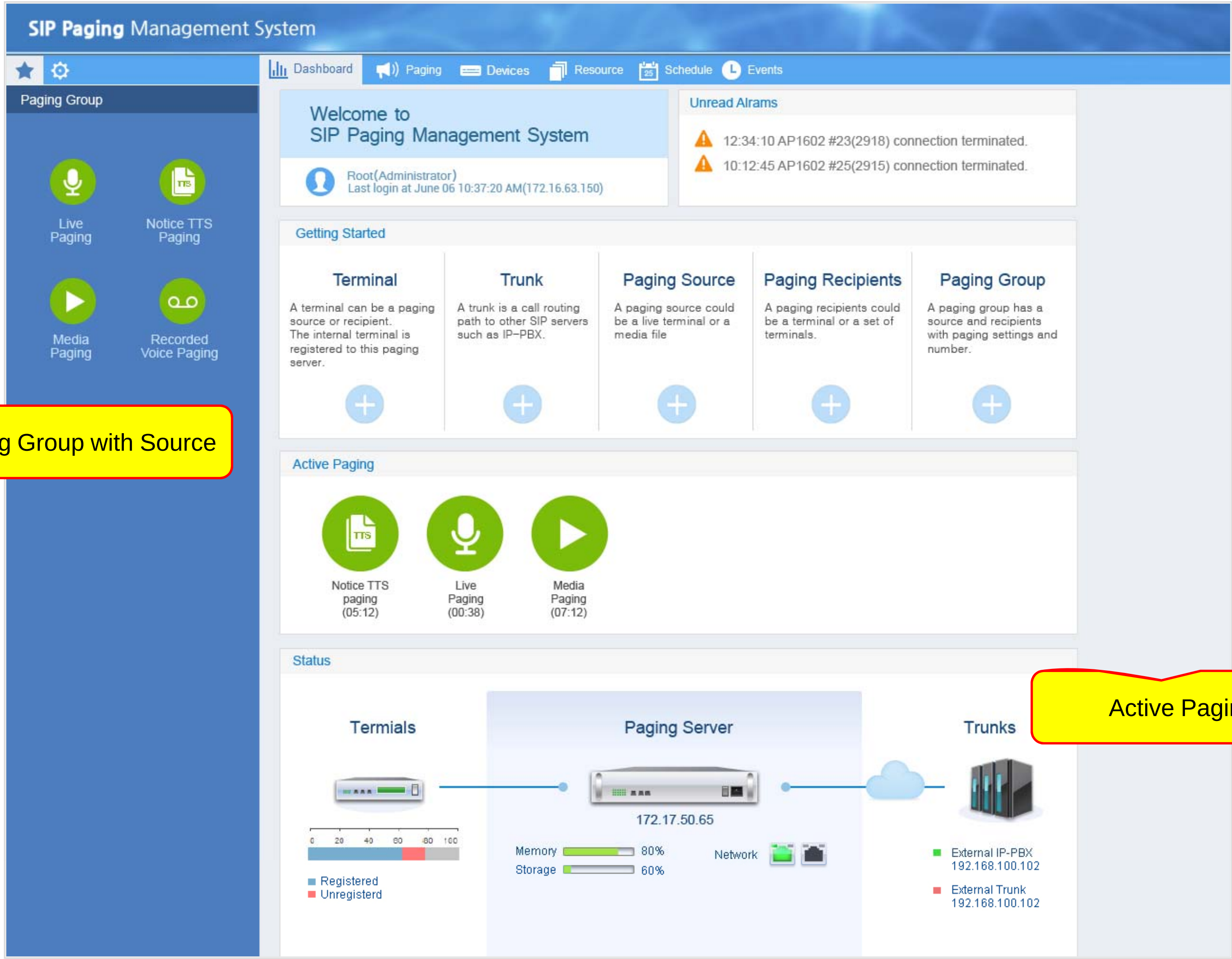
SIP Paging Management Software Overview

- 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

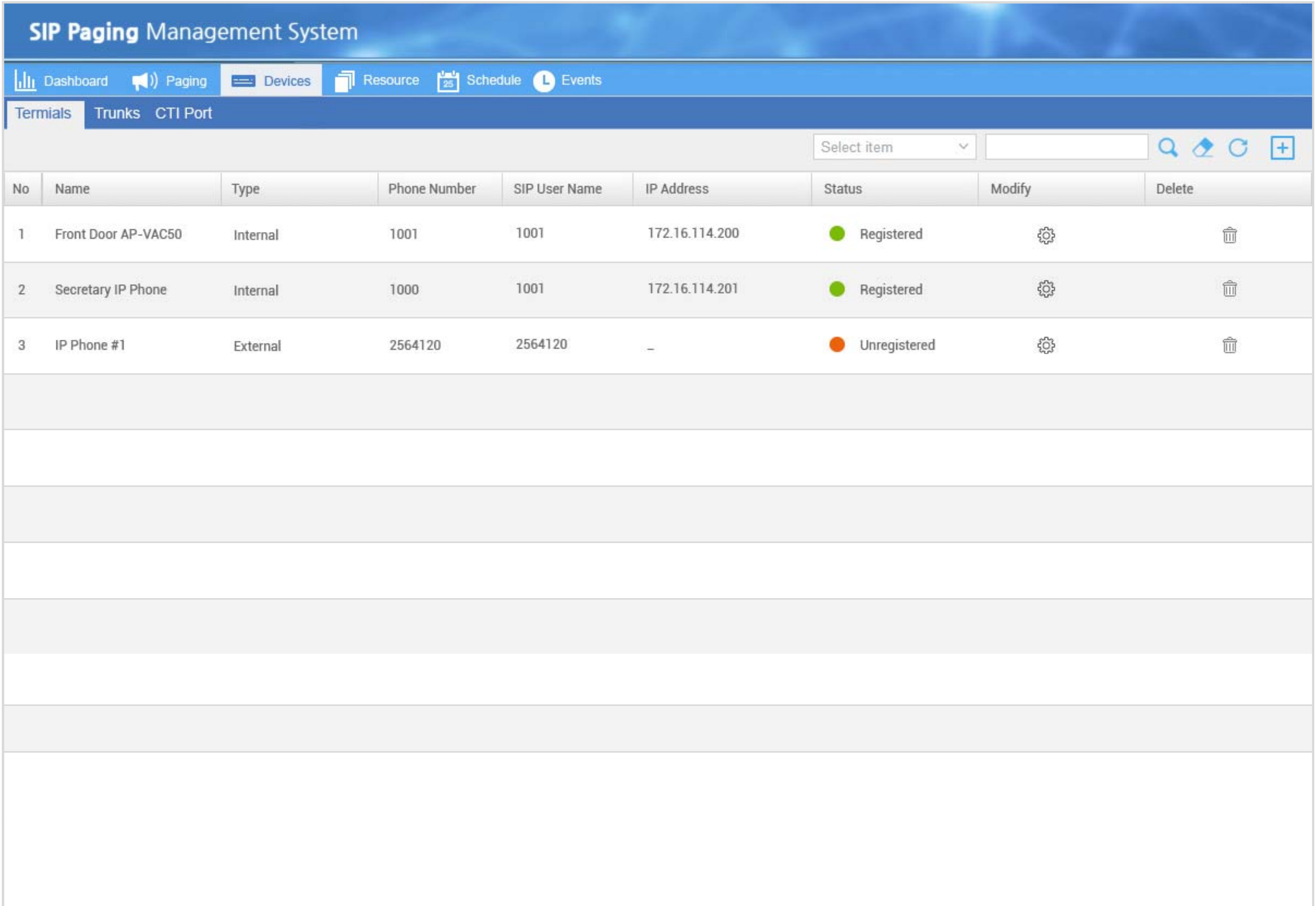
SIP Paging Management System GUI Initial Screen



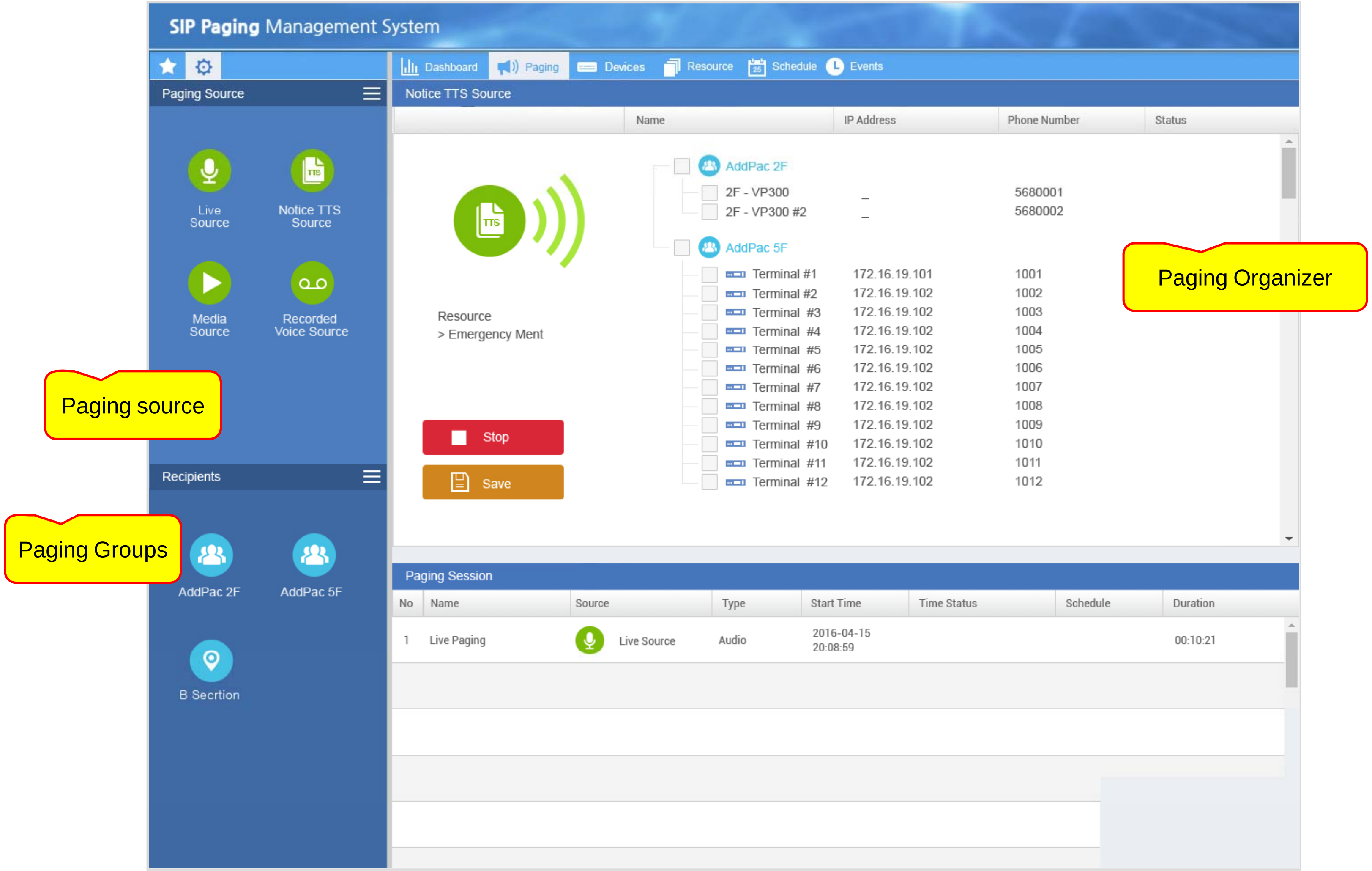
Favorite Paging Group with Source

Active Paging Sessions

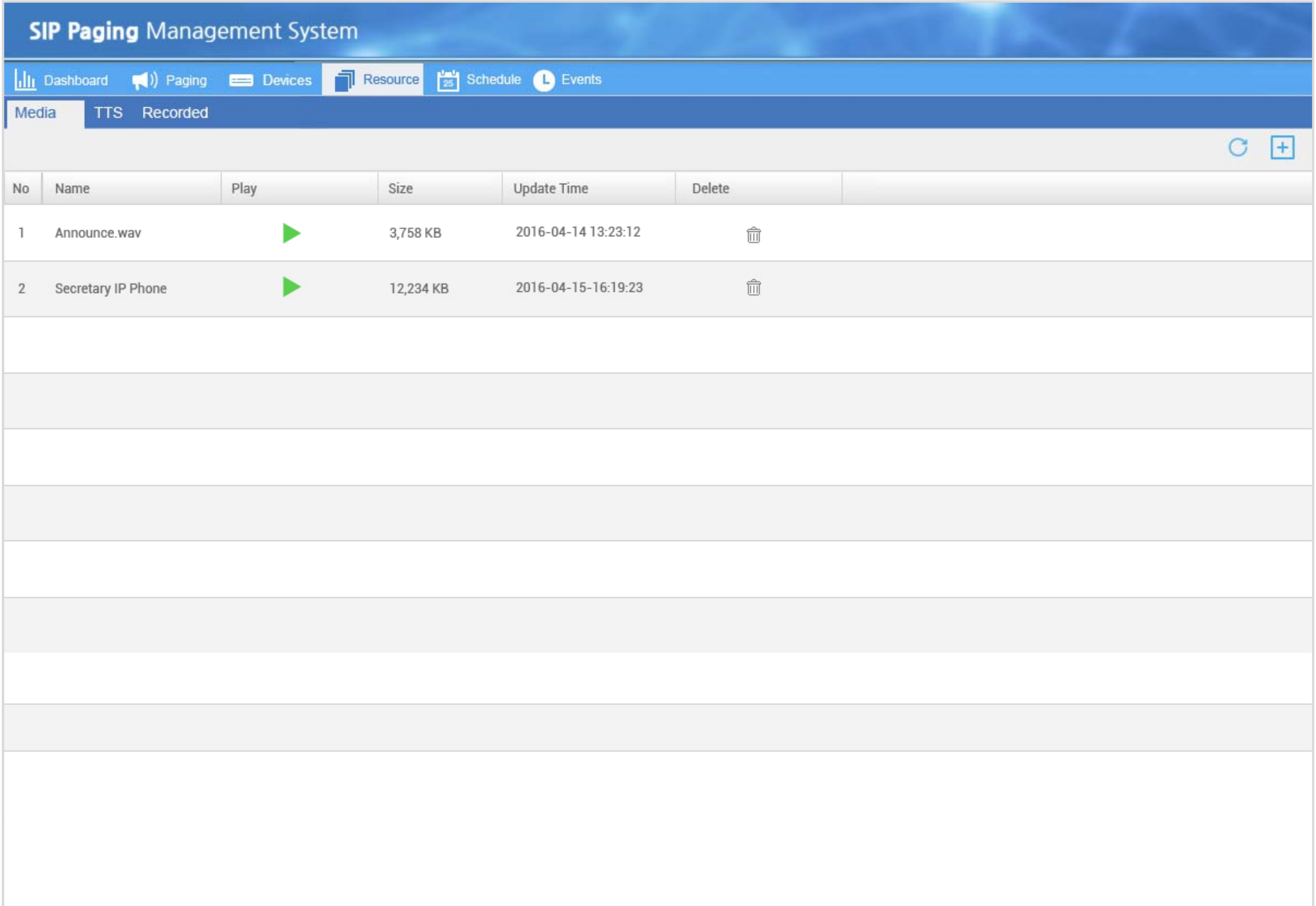
Paging Device Management



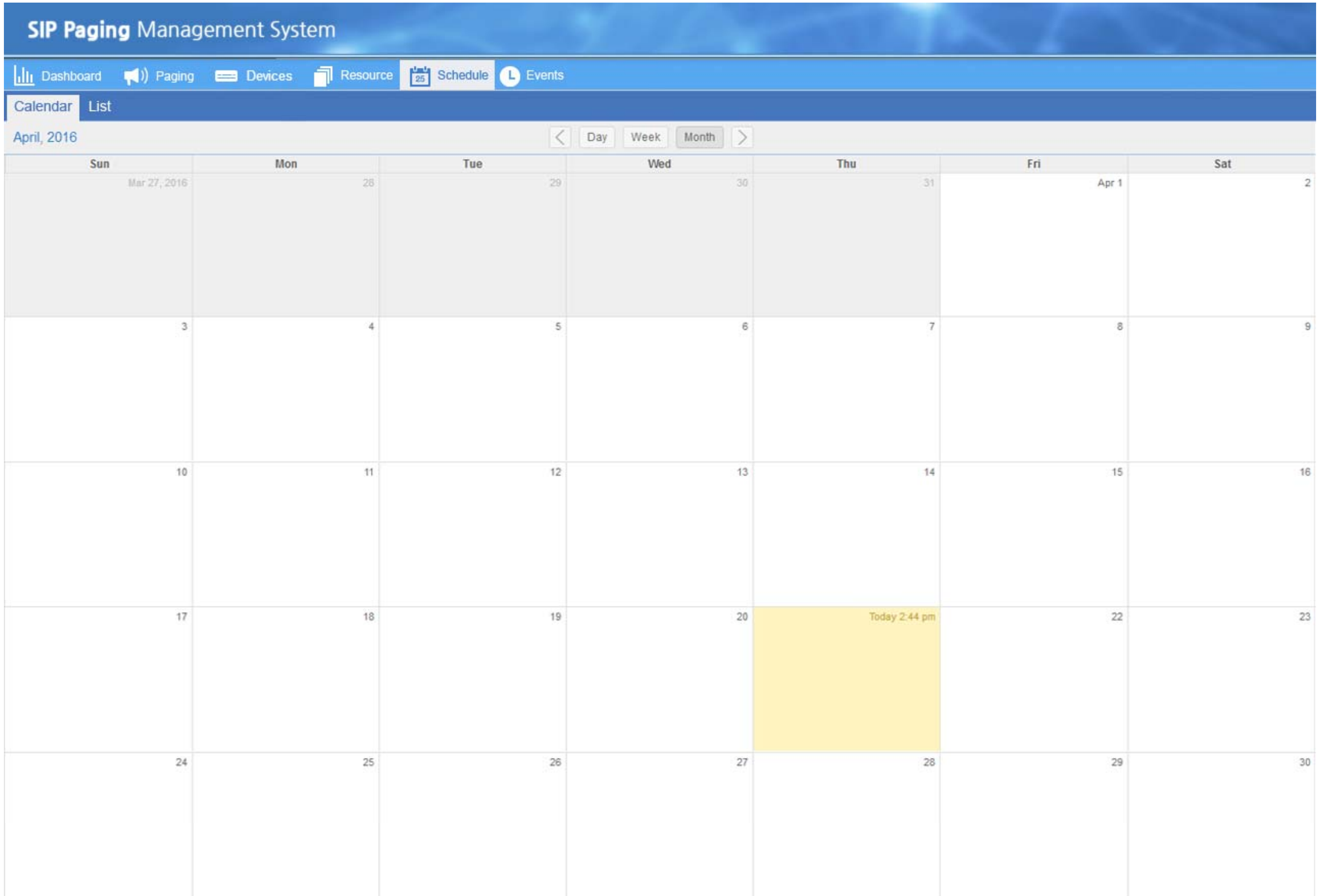
Paging Group Management



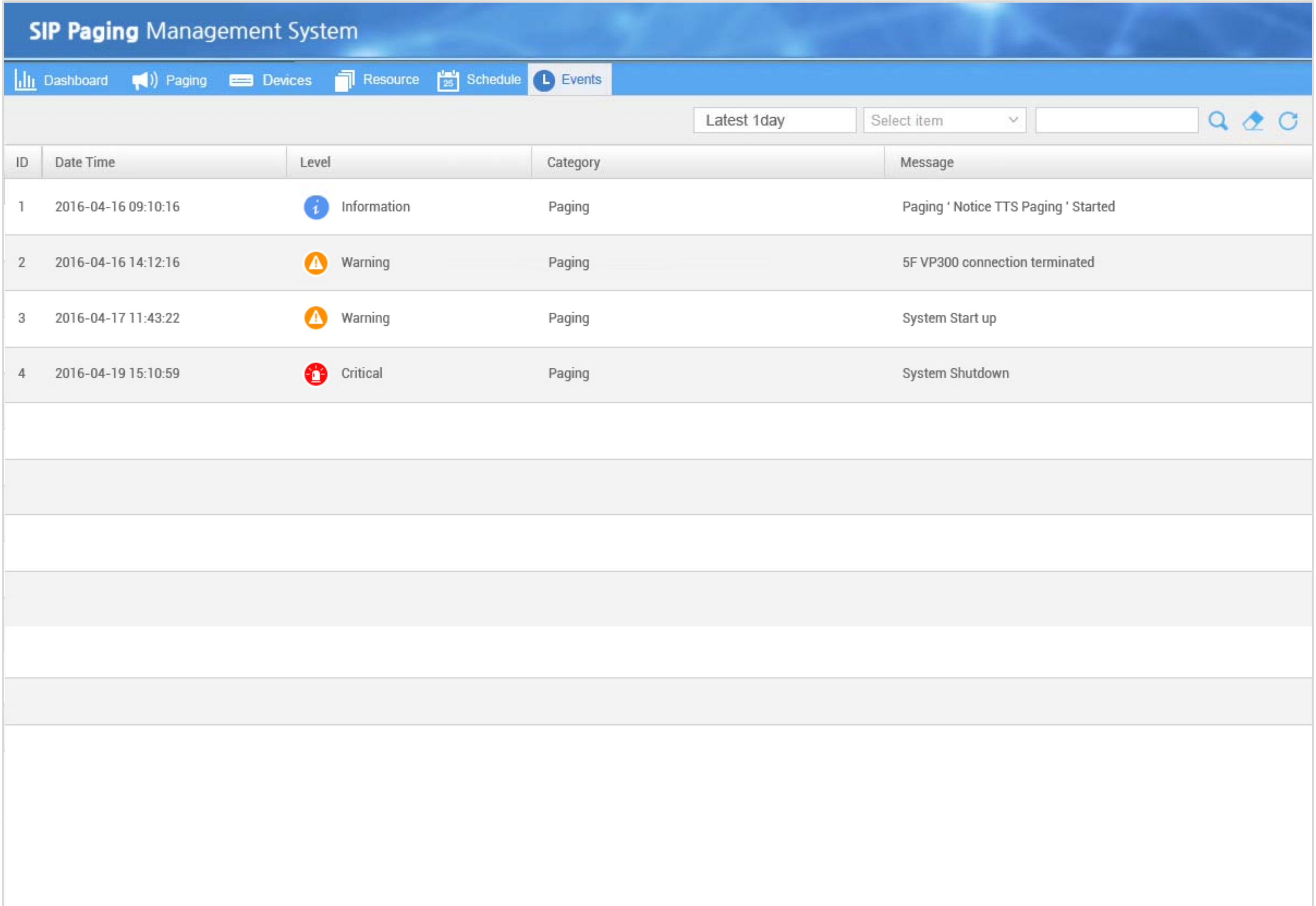
TTS Paging


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

Thank you!

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Thank you!

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