

IPNext 600 PTT IP-PBX System (IP-PBX + PTT Server)

PTT Service Features



AddPac

AddPac Technology

2015, Sales and Marketing

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Product Overview

IPNext 600 PTT Next Generation IP-PBX System

- SIP Application Server, Proxy, Registrar and Location Server
- Multiple ITSP Trunk with SIP & H.323 Accounts Support
- High Performance PTT Server Solution
- Dual System Redundancy Architecture
 - Two(2) Fast Ethernet Interface / System
- High Performance RISC Architecture
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- IPv4/IPv6 Dual Stack
- RTP Proxy Function Embedded for Private IP and IPv6 Address Interworking
- User Presence Service Features for Smart Multimedia Messenger and Smart IP Phone
- IVR Scenario Editor, Voice Mail, Media Service (Coloring), Conference
- Firmware Upgradeable Architecture
- Smart Multimedia Manager for IP-PBX Management
- Smart Messenger Service (click to dial) for Unified Communication
- Smart NMS for Large Scale Deployment
- Advanced Voice QoS Mechanism
- Dual Redundancy Power Module
- Various IP Terminal Support

PTT Server Service

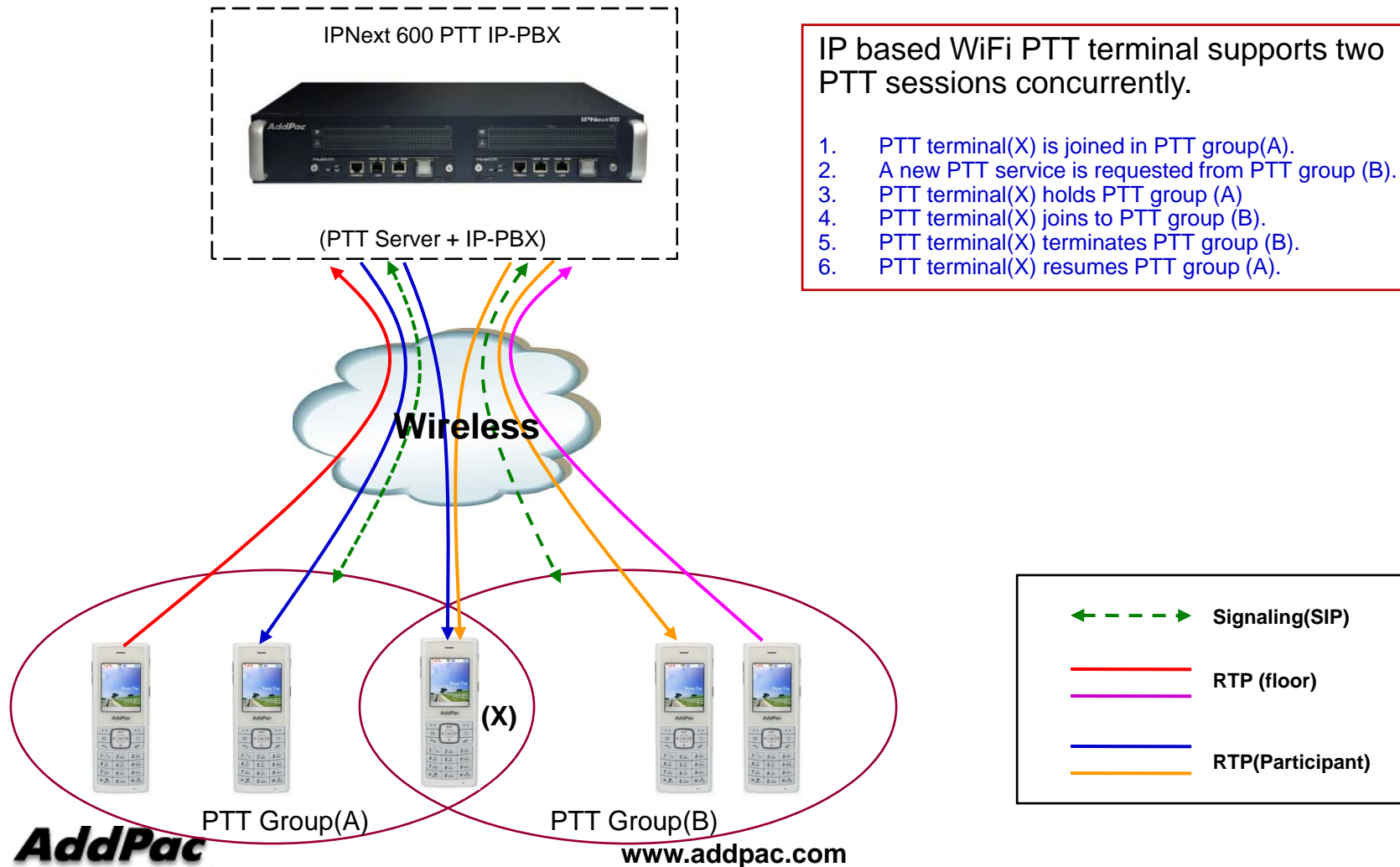
IPNext 600PTT Next Generation IP-PBX System

- IP based PTT Service Support
- Dial-Out based PTT Service Support
 - Multi-Session, Multi-Group
 - PtP (Point-to-Point) Service
- Advanced PTT Server Features
 - 1:1 PTT
 - Group PTT
 - Emergency PTT with Alarm Notification
- Emergency PTT Service Support
- IP-PBX Interworking Service
- IP Terminal Interworking Service (Wi-Fi Phone, IP Phones, Soft Phone, Smart Phone Application)
- PTT Solution with Outstanding Network Service Capability

IP based PTT Call Service Examples(1/3)

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Multi PTT Group Support

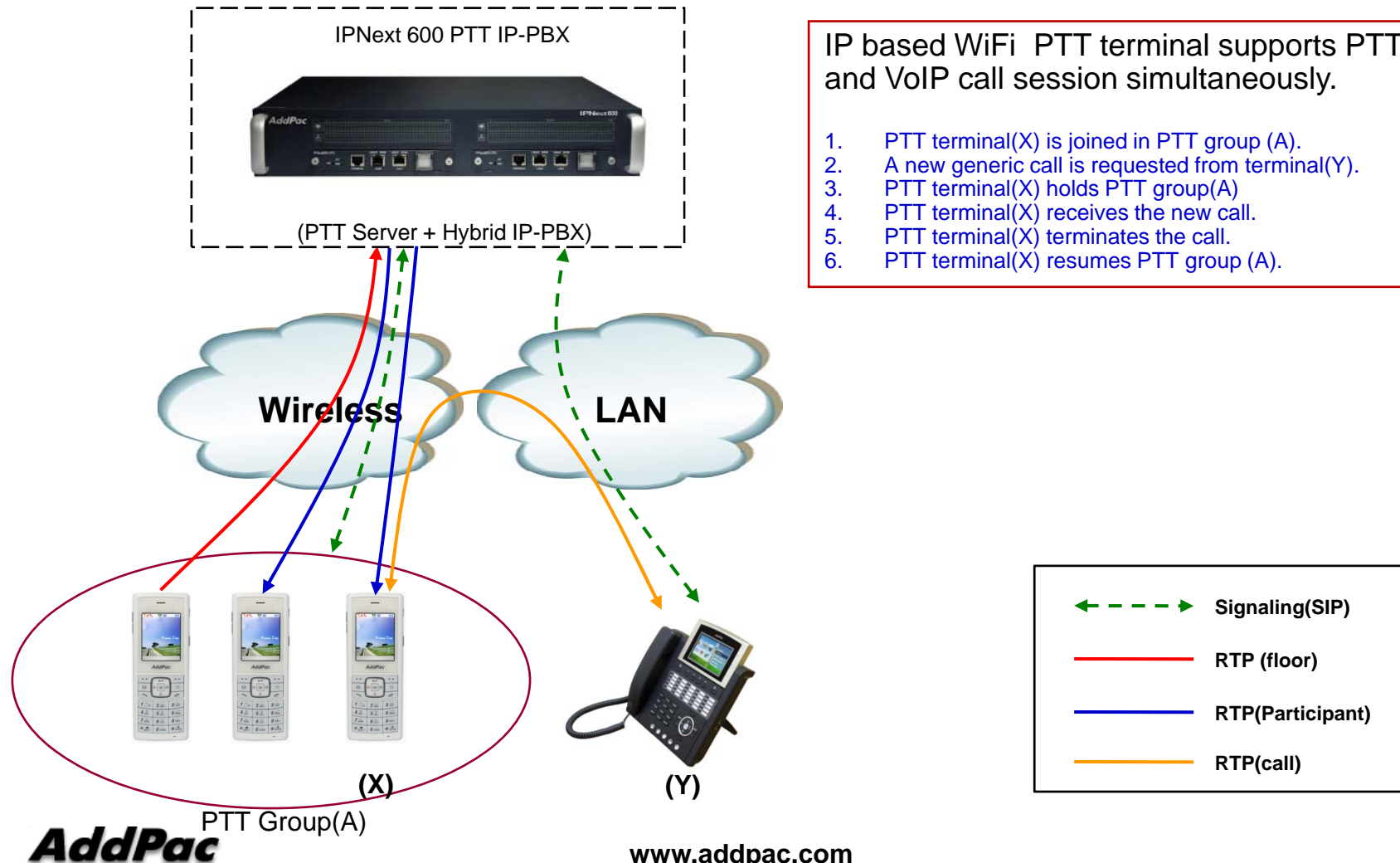


- IP based WiFi PTT terminal supports two PTT sessions concurrently.
1. PTT terminal(X) is joined in PTT group(A).
 2. A new PTT service is requested from PTT group (B).
 3. PTT terminal(X) holds PTT group (A)
 4. PTT terminal(X) joins to PTT group (B).
 5. PTT terminal(X) terminates PTT group (B).
 6. PTT terminal(X) resumes PTT group (A).

IP based PTT Call Service Examples(2/3)

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Simultaneous PTT and VoIP Call



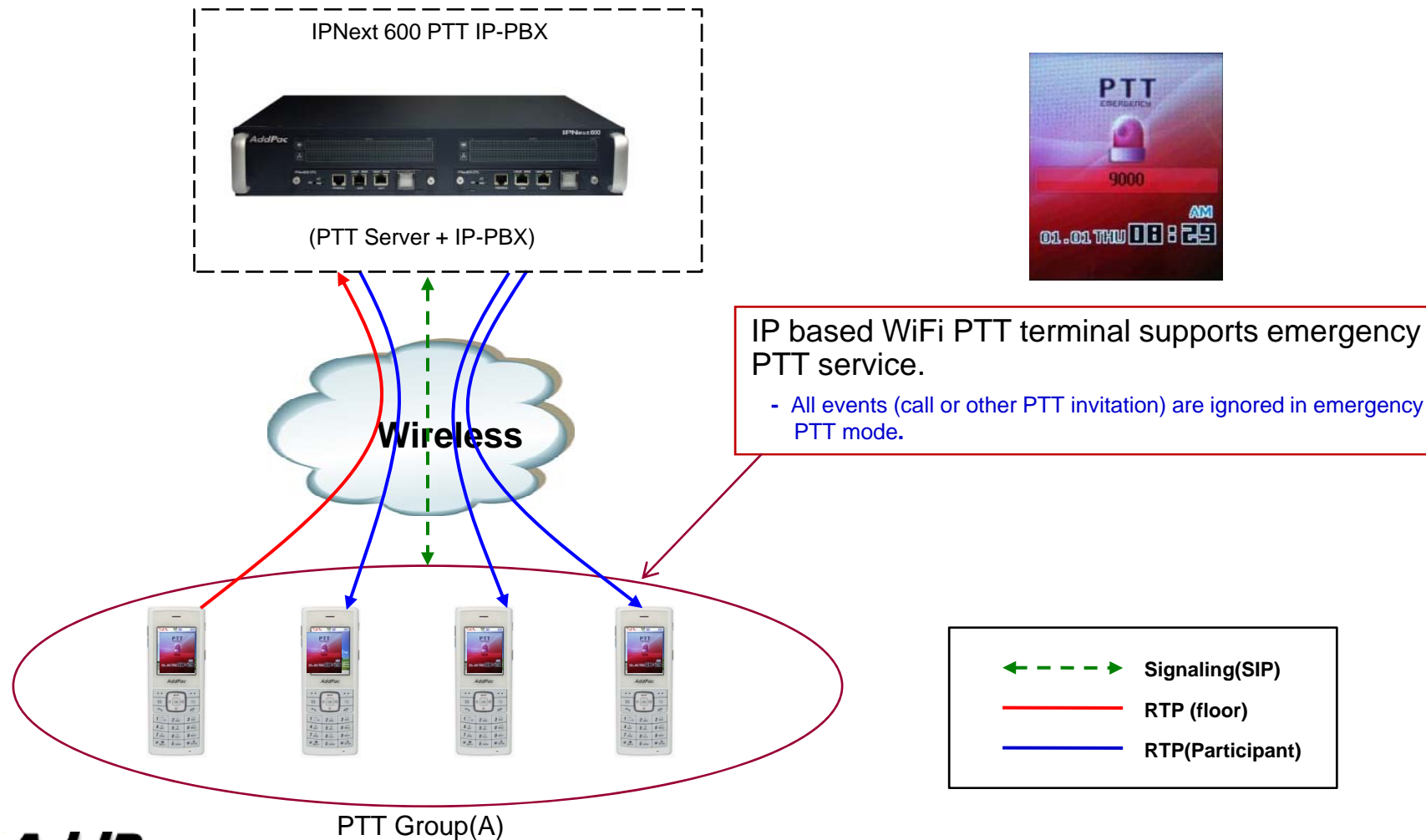
IP based WiFi PTT terminal supports PTT and VoIP call session simultaneously.

1. PTT terminal(X) is joined in PTT group (A).
2. A new generic call is requested from terminal(Y).
3. PTT terminal(X) holds PTT group(A)
4. PTT terminal(X) receives the new call.
5. PTT terminal(X) terminates the call.
6. PTT terminal(X) resumes PTT group (A).

IP based PTT Call Service Examples(3/3)

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Emergency PTT



User Terminals

IPNext 600 PTT Next Generation IP-PBX System

- AP-VP500 Video Phone
- AP-VP350 MCU Video Phone
- AP-VP300 Video Phone
- AP-VP280 Video Phone
- AP-VP250 Video Phone
- AP-VP230 Video Phone
- AP-VP150 Video Phone
- AP-VP120 Video Phone
- AP-IP300 Premium IP Phone
- AP-IP230 IP Phone
- AP-IP160 IP Phone
- AP-IP120 IP Phone
- AP-IP90 IP Phone
- AP-WP100 WiFi Phone
- AP-SMP100 Soft Phone



AP-VP500



AP-VP300



AP-VP150



AP-VP120



AP-IP300



AP-WP100











AP-IP160



AP-IP120


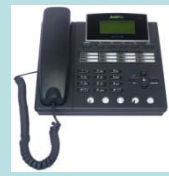

IP Video Phone Comparison Table

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	AP-VP500	AP-VP350	AP-VP300N	AP-VP280	AP-VP250	AP-VP230	AP-VP150	AP-VP120
								
LCD Size	12.1 Inch Touch Screen	7Inch Touch Screen	7Inch Touch Screen	7Inch Touch Screen	4.3Inch Touch Screen	5Inch Touch Screen	4.3Inch Touch Screen	4.3Inch
Camera	CCD	CCD	CCD	CMOS	CMOS	CMOS	CCD	CMOS
Video Codec	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Video MCU	N/A	4-Party Video MCU	N/A	N/A	N/A	N/A	N/A	N/A
Voice MCU	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party
LAN Port	2	2	2	2	2	2	2	2
PoE	N/A	N/A	Support	N/A	Support	Support	Support	Support

IP Phone Comparison Table

IPNext 600 PTT Next Generation IP-PBX System

	AP-IP300 	AP-IP250 	AP-IP230 	AP-IP160 	AP-IP120 	AP-IP90 
LCD Size	4.3 Inch Color LCD	4.3 Inch Color LCD	5 Inch Color LCD	4 Text Line Graphic LCD	4 Text Line Graphic LCD	4 Text Line Graphic LCD
Touch Screen	N/A	Support	Support	N/A	N/A	N/A
Speed-Dial Keys	25 Key with Presence LED	Touch Screen based 25 Keys	Touch Screen based 25 Keys	16 Key with Presence LED	12 Key with Presence LED	N/A
Voice Codec	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
3-Party Conversation	Support	Support	Support	Support	Support	Support
LAN Port	2	2	2	2	2	2
PoE(Optional)	Support	Support	Support	Support	Support	Support
FXO(Optional)	Support	Support	Support	Support	Support	Support

Smart Messenger for UC

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- **Smart Messenger Program**

- PC based MS-Window Program
- Support Messenger Service
- Support Various Address Book
- Support User Presence Information (Busy, Away, On-line, etc)
- Support User Search Feature
- Interoperation with Address Book and Smart Phone
- Support Smart Phone Control and Setup
 - Call Control and Forward Setup
- Support Unified Message Box
 - Voice Mail Box
 - Short Message Box



Smart Messenger

SMM for PTT (User Friendly Management)

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Easy Configuration Tool Support

The screenshot shows the 'Group Properties' dialog box with the 'General' tab selected. The 'Participants' sub-tab is also visible. The following fields are highlighted with red boxes:

- Max Session Idle Time: 60 seconds
- Max Floor Hold Time: 30 seconds

Other visible fields include: Group Name (Push-to-Talk#8000-NightGuards), Description (Push-to-Talk conference session for night guards), Number (4050), Partition (N/A), Audio Codec Class (default), and Group Priority (3). A 'Close on Chair Out' checkbox is checked. 'Ok' and 'Cancel' buttons are at the bottom.

Easy Drag and Drop Configuration

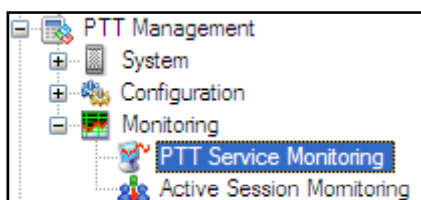
The screenshot shows the 'Group Properties' dialog box with the 'Participants' sub-tab selected. A search filter is applied: Filter Name 'Phone Number', Rule 'begins with'. A table of participants is shown with columns for Number, Partition, and User. The '2014' entry is highlighted, and a red arrow points to it from the 'Easy Drag and Drop Configuration' label. An 'Add' button is visible below the table. 'Ok' and 'Cancel' buttons are at the bottom.

Number	Partition	User
1000		
1018		bd seong
2000		
2010		
2011		
2012		
2013		
2014		
2015		

Easy PTT Session Creation & Various Option Support

SMM for PTT (Active PTT Session Monitoring)

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You can monitor the current resource usage of PTT servers through this window.

System Monitoring - PTT Server

IPNext180_TEST (172.16.12.99)

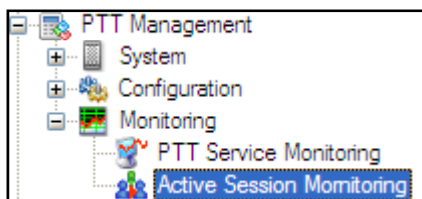
Active PTT Session

PTT Session 1

Active PTT Session History

Participant 2

Active Participant History



You can monitor the list of active PTT sessions and participants information of the sessions.

PTT Active Session Monitoring

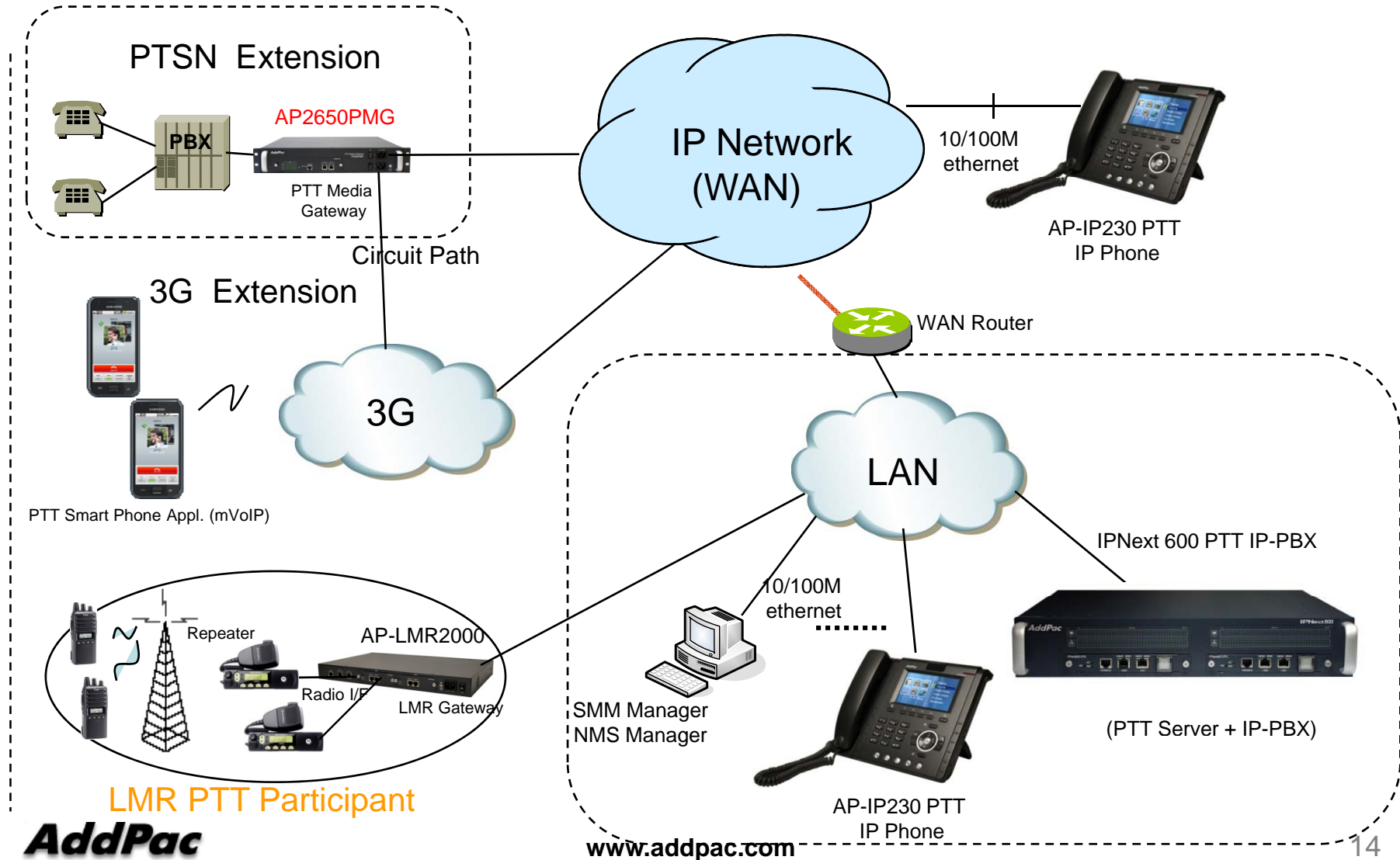
172.16.12.99

Sessions				
Name	Number	Start Time	Duration	No. of Participant
Conference #1000	1212	20100101-17:48:59	00:01:15	2

Participants			
Participant Name	Phone Number	IP	Status
kn kim	7000	172.16.50.123	Joined
bd seong	1018	172.16.253.117	Joined

Standard PTT IP-PBX System Application

IPNext 600 PTT Next Generation IP-PBX System



Ordering Information

- **IPNext 600 PTT IP-PBX System**
 - IPNext 600 PTT IP-PBX System Main Body
 - High-performance RISC CPU based CPU Board
 - 2-ports 10/100Mbps Fast Ethernet and 1-port RS-232C Console
 - Dual Power Supply Module (Hot-Swap)
 - Including Network Cable Set & Power Supply Cable, etc.
 - Additional CPU board for Fault Tolerant (option)
 - Additional Power Supply Module for Redundancy (option)
- **Built-in APOS Internetworking Software for IPNex 600PTT**
- **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!

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