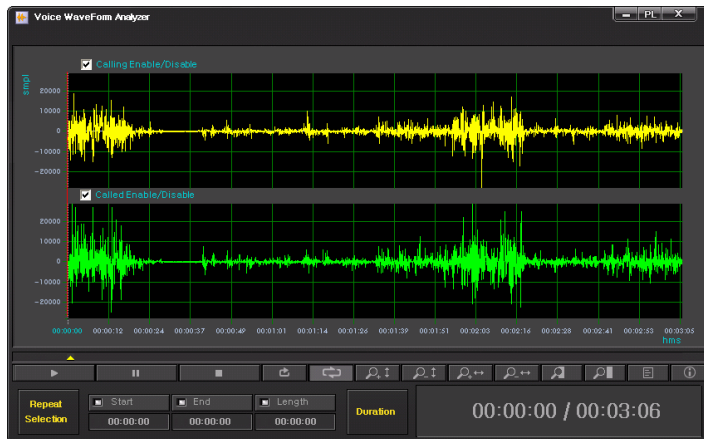


Voice Recording Solution for HQ-Branch based Enterprise



AddPac

AddPac Technology

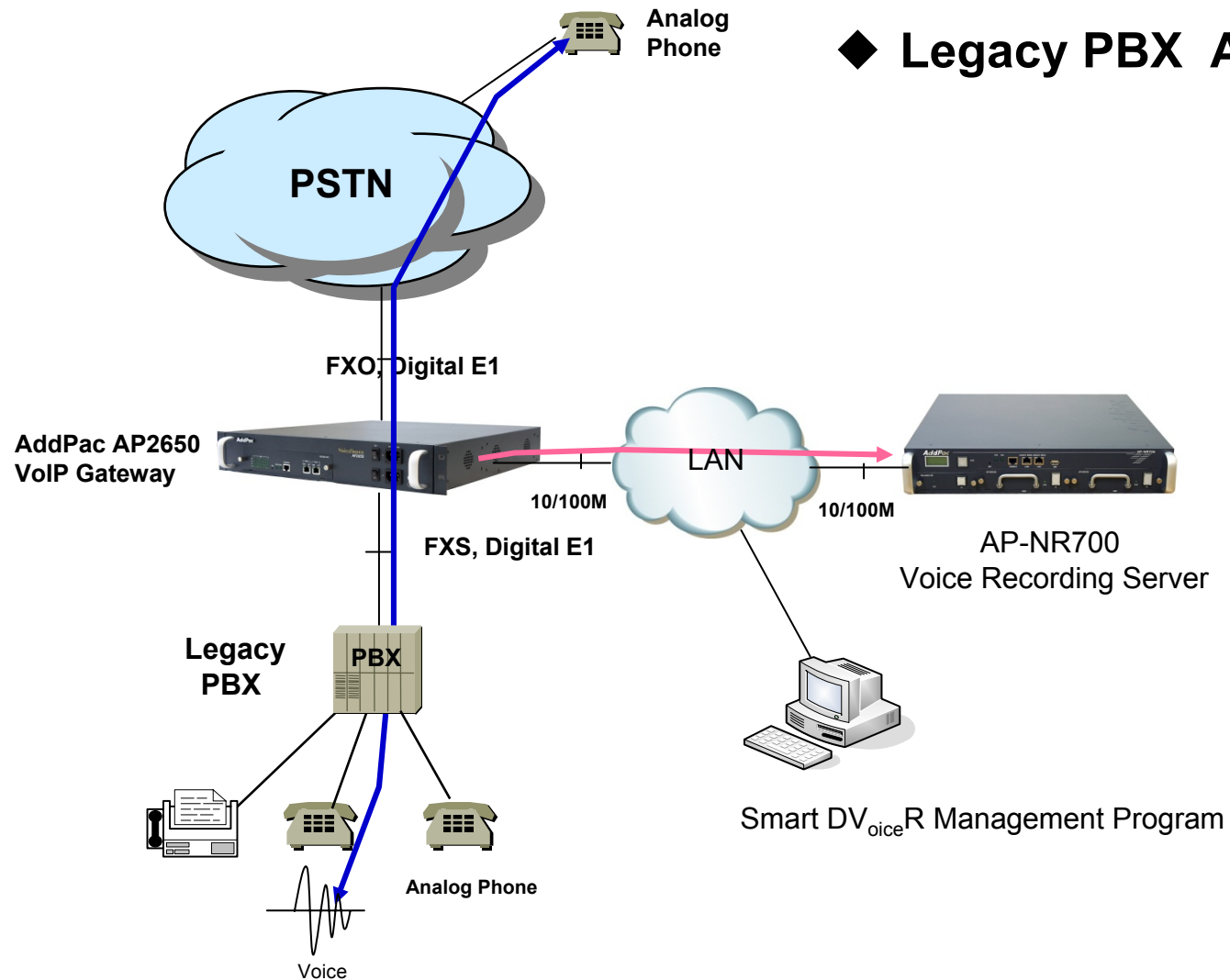
Sales and Marketing

Contents

- Network Diagrams
- Product Specifications
 - Voice Recording Server : AP-NR2000, AP-NR700, AP-NR500
 - Voice Transcoder : AP-VTC1000
 - VoIP Gateways for Voice Recording Extension: AP2650, etc
 - Hybrid IP-PBXs with Voice Recording Features for Branch
 - IPNext180R IP-PBXs for Branch (example)
 - IP terminals with Voice Recording Service Features
 - Smart Digital Voice Recording Management Program
 - Personal Smart Window Program

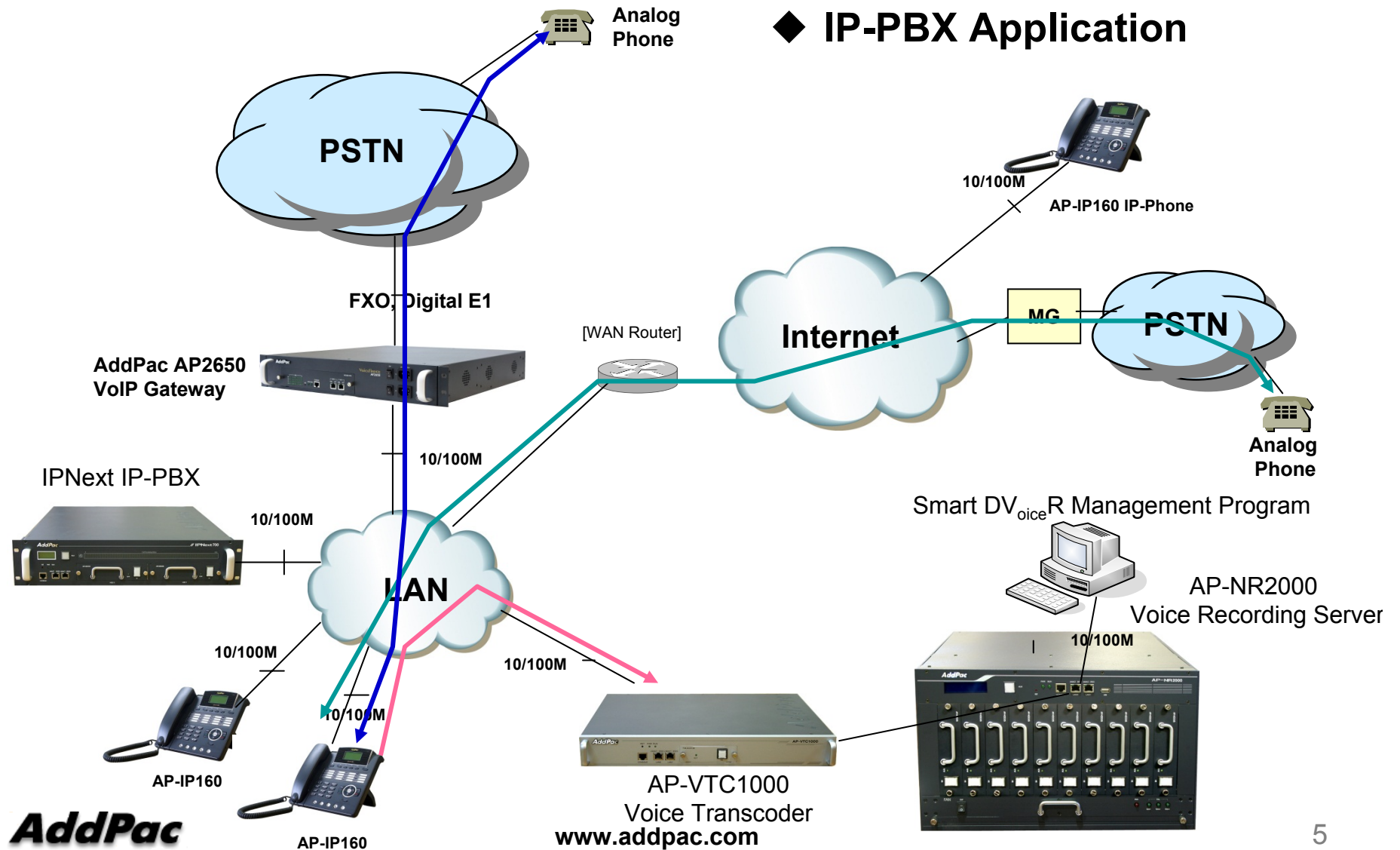
Network Diagram (HQ : Case 1)

◆ Legacy PBX Application

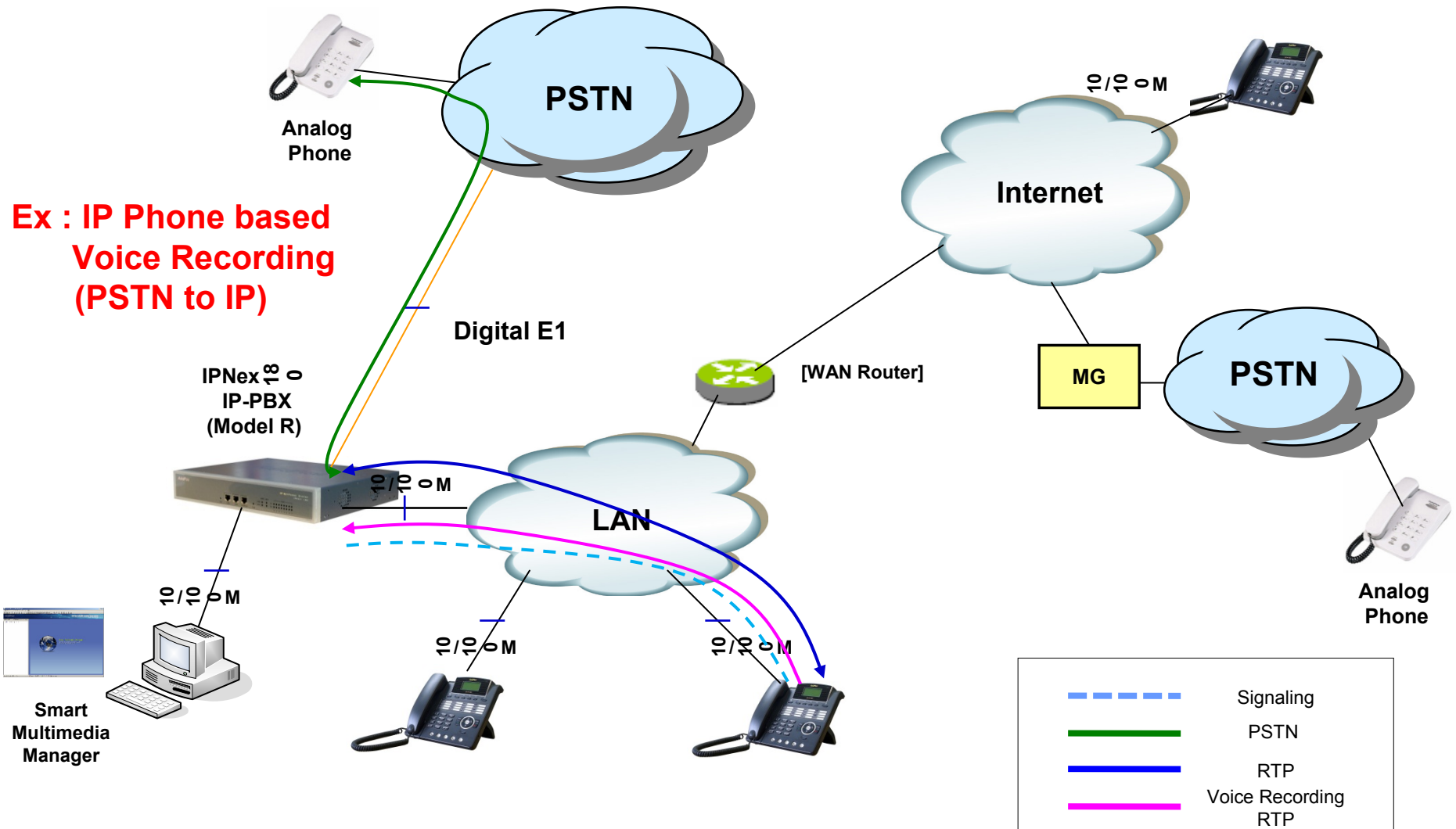


Network Diagram (HQ : Case 3)

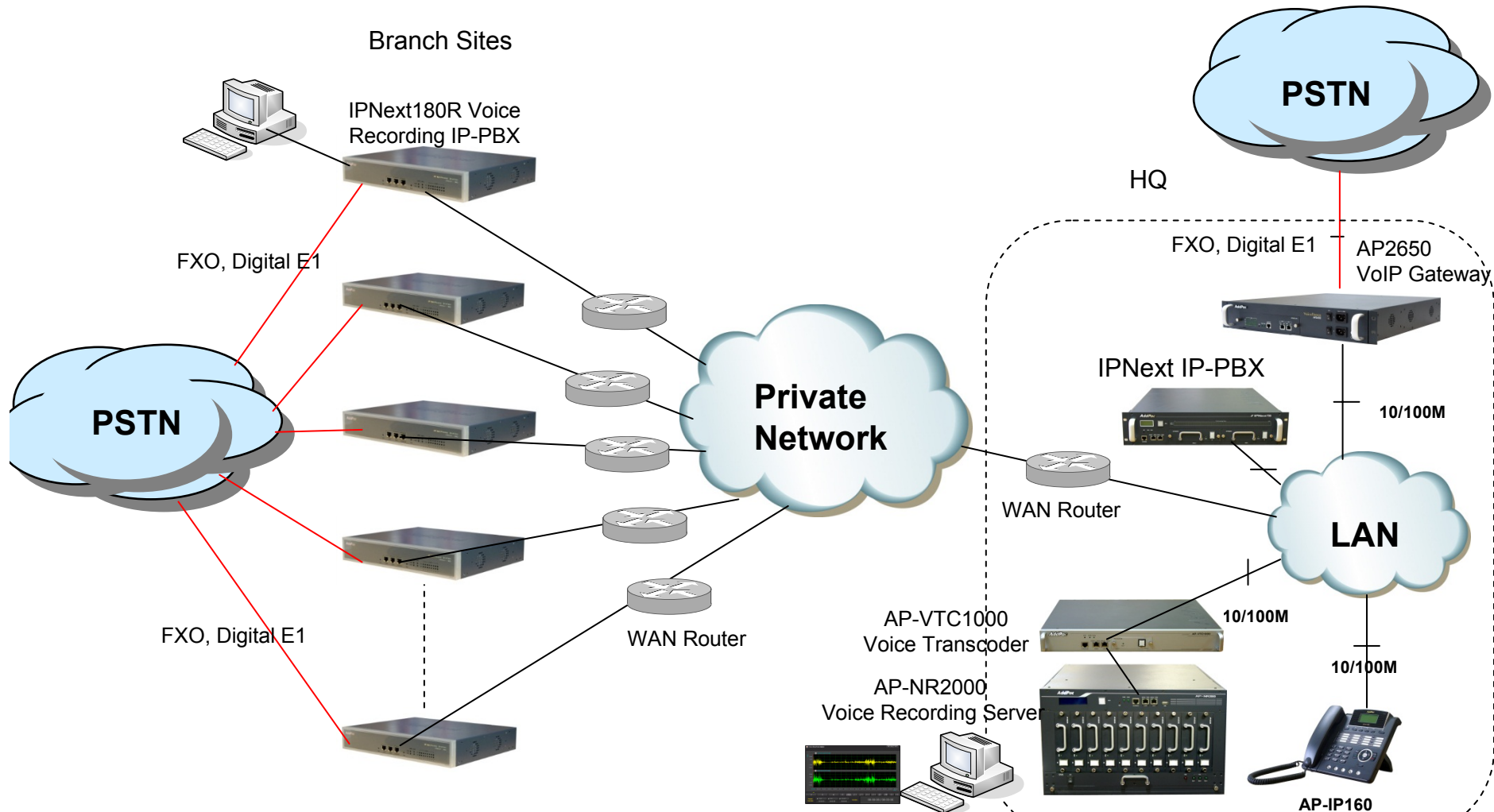
◆ IP-PBX Application



Network Diagram (Branch)



Network Diagram (HQ-Branch)





IP Voice Recording Server

AP-NR2000

Voice Recording Server

- Embedded Platform
- High-End 64bit RISC Processor
- Real-time Voice Recording
- RTP/RTSP Support
- RISC Microprocessor Computing Power
- Main Chassis
 - One(1) RS-232C Console (RJ45)
 - Two(2) Giga Ethernet Port
 - Ten(10) Hard Disk Interface Slot



AP-NR700

Voice Recording Server

- Embedded Platform
- High-End 64bit RISC Processor
- Real-time Voice Recording
- RTP/RTSP Support
- RISC Microprocessor Computing Power
- Transcoding DSP Module (64ch)
- Main Chassis
 - One(1) RS-232C Console (RJ45)
 - Two(2) Giga Ethernet Port
 - Two(2) Hard Disk Interface Slot for RAID1 Configuration



AP-NR500

Voice Recording Server

- Embedded Platform
- High-End 64bit RISC Processor
- Real-time Voice Recording
- RTP/RTSP Support
- RISC Microprocessor Computing Power
- Transcoding DSP Module(32ch)
- Main Chassis
 - One(1) RS-232C Console (RJ45)
 - Two(2) Giga Ethernet Port
 - Single(1) Hard Disk Interface Slot





Voice Transcoder

AP-VTC1000

Voice Transcoder





- Embedded Platform
- High-End 64bit RISC Processor
- Real-time Voice Transcoding (Ex: G.729->G.711, etc)
- RTP/RTSP Support
- RISC Microprocessor Computing Power
- Network Interface
 - Two(2) 10/100Mbps Fast Ethernet
 - One(1) RS-232C Console
- DSP Module for Voice Transcoding
 - 32 Channel DSP Module
 - 64 Channel DSP Module
 - Voice Codec : G.711, G.729, G. 723.1, G.726, etc





VoIP Gateways for Voice Recording Extension

VoIP Gateways with Voice Recording Extension

Product	AP2620	AP2640	AP2650	AP-MG3000
				
Available Modules	AP-FXS4 AP-FXO4 AP-FXS2O2 AP-E&M4 AP-E1	AP-FXS8 AP-FXO8 AP-FXS4O4 AP-E&M8 AP-E1	AP-FXS8 AP-FXO8 AP-FXS4O4 AP-E&M8 AP-E1	APv2-1E1 APv2-2E1 APv2-4E1
Analog Ports	Up to 8	Up to 32	Up to 32	N/A
Signaling	SIP, H.323	SIP, H.323	SIP, H.323	SIP, H.323
Digital E1/T1	Up to 2E1/T1	Up to 2E1/T1	Up to 2E1/T1	Up to 4E1/T1
E&M	Support	Support	Support	N/A
Module Slot	Two(2)	Four(4)	Four(4)	Two(2)
LAN Port	2	2	2	2
Console	1	1	1	1
Power	Single PSU	Single PSU	Dual PSU	Single PSU

AP2650 VoIP Gateway





- Voice Recording Interface Support
- FXS, FXO, E&M, Digital E1/T1 VoIP Interface
- Up to 32 Port Analog Interface
- IPv4/IPv6 Address Support
- SIP, H.323, MGCP VoIP Signaling Support
- Firmware Upgradeable Architecture
- Dual Power Supply for Redundancy





Hybrid IP-PBXs for Voice Recording Extension

Hybrid IP-PBXs with Voice Recording Features for Branch

Model		IPNext250	IPNext210	IPNext190	IPNext180
Service Features					
Registration/Concurrent User Number		200/100	150/50	150/50	100/30
IPv4/IPv6 Dual Stack Support		Support	Support	Support	Support
VoIP Signaling	Internal	SIP	SIP	SIP	SIP
	External	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Powerful IVR, UMS, Media Service, User Presence Service		Support	Support	Support	Support
RTP Proxy Service (IPv6, Private IP)		Support	Support	Support	Support
LAN Port		2	2	2	2
VoIP Module Slots for PSTN		10 Slots (8 Port Module)	4 Slots (8 Port Module)	4 Slots (8 Port Module)	2Slots (8 Port Module)
VoIP Interface		FXS, FXO,E1/T1	FXS,FXO,E&M, E1/T1	FXS, FXO,E1/T1	FXS,FXO,E1/T1

IPNext180R Product Overview

- Powerful IP-PBX for SMB
- Smart Management and User Friendly Features
- Fault Tolerant and Scalability Architecture
- RTP Proxy Service
- IVR Service
- User Presence Service
- Media Service : Ring back Tone, Music on Hold, Announcement, etc
- Unified Messaging Service : Voice Mail, etc
- **Voice Recording Service**
- Firmware Upgradeable Architecture
- Two(2) Fast Ethernet Interface
- Two(2) VoIP Module Slots for PSTN
- One(1) RS-232C Port for CLI



IPNext180R H/W Specification

- IPNext180 Embedded Platform
- Voice Interface
 - Two(2) Module Slots for PSTN Interworking
- RISC Microprocessor Computing Power
- Memory Extension (**2G Flash Memory**) for Voice Recording
- Voice Codec
 - G.711, G.726, G.729, G.723.1
- Main Chassis
 - One(1) RS-232C Console (RJ45)
 - Two(2) Fast Ethernet Port
 - Internal Power Supply



IPNext180R Voice Recording Service

- IP based Voice Recording Service
 - IP Phone Voice Recording Support
 - Call Manager(RTP Proxy) based Voice Recording Support
- IP Phone Voice Recording Service using Function Key
- Web based Personal Smart Window
 - Monitoring Voice Recording Storage Quota
 - Play Recorded File using IP Phone
 - Browsing Recorded File by Smart Window
 - Recorded Files Backup and Restore



IP Phones for Voice Recording Extension

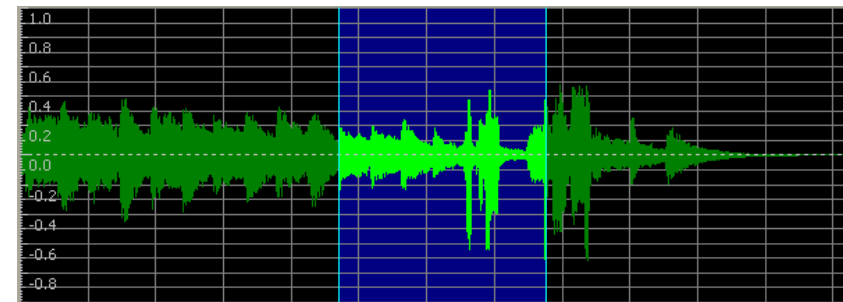
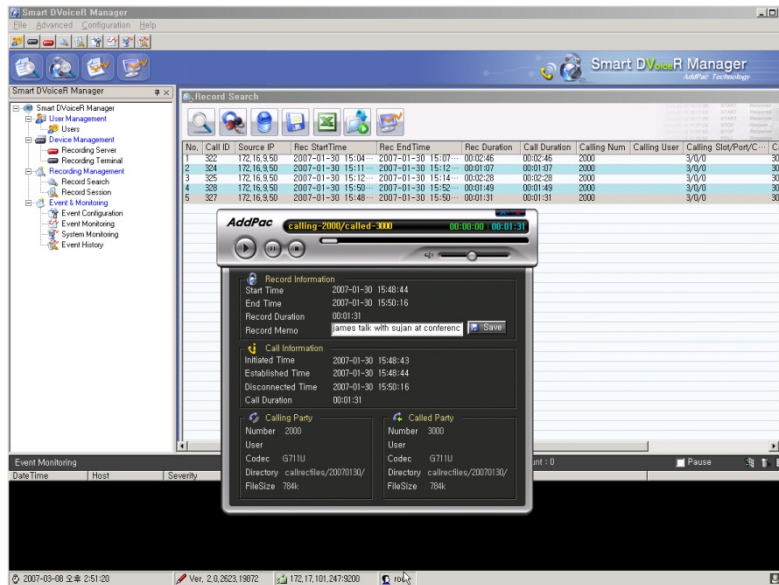
IP Phones with Voice Recording Service Feature

	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 DVoiceR Management Program for Voice Recording Server

Smart DVoiceR Management Program for HQ



- Call History Management (search/modify/delete/save)
- Media Play Management (Play/Stop/Seek/Pause)
- Live Call List Management, Live Call Monitoring
- Local Backup (File Manager Support, PC HDD, DVD) and Local Play
- User Management (registration/modify/delete/search)
- Server Status (CPU/Memory/HDD) & Event Monitoring
- Waveform Analyzing Function
- Recording Source Management (VoIP Gateway, IP Phone, etc)
- Live Recording Board

Personal Smart Window Interface for Branch

Recording File Search Result

Calling Num ▼ 9000 Search

	Calling Number	Called Number	Recording Start Time	Recording End Time	Duration (sec)	Play
<input type="checkbox"/>	9000	5000	2010/03/17 09:50:45	2010/03/17 09:51:45	60	Play
<input checked="" type="checkbox"/>	9000	3000	2010/03/18 09:00:12	2010/03/17 09:00:45	33	Play
<input checked="" type="checkbox"/>	9002	9000	2010/03/18 10:50:12	2010/03/17 10:55:12	300	Play
<input type="checkbox"/>	9005	9000	2010/03/18 15:12:03	2010/03/18 15:12:13	10	Play
<input type="checkbox"/>	9006	9000	2010/03/19 01:10:23	2010/03/19 01:11:10	47	Play

[1] [2] [3] ... [Next]

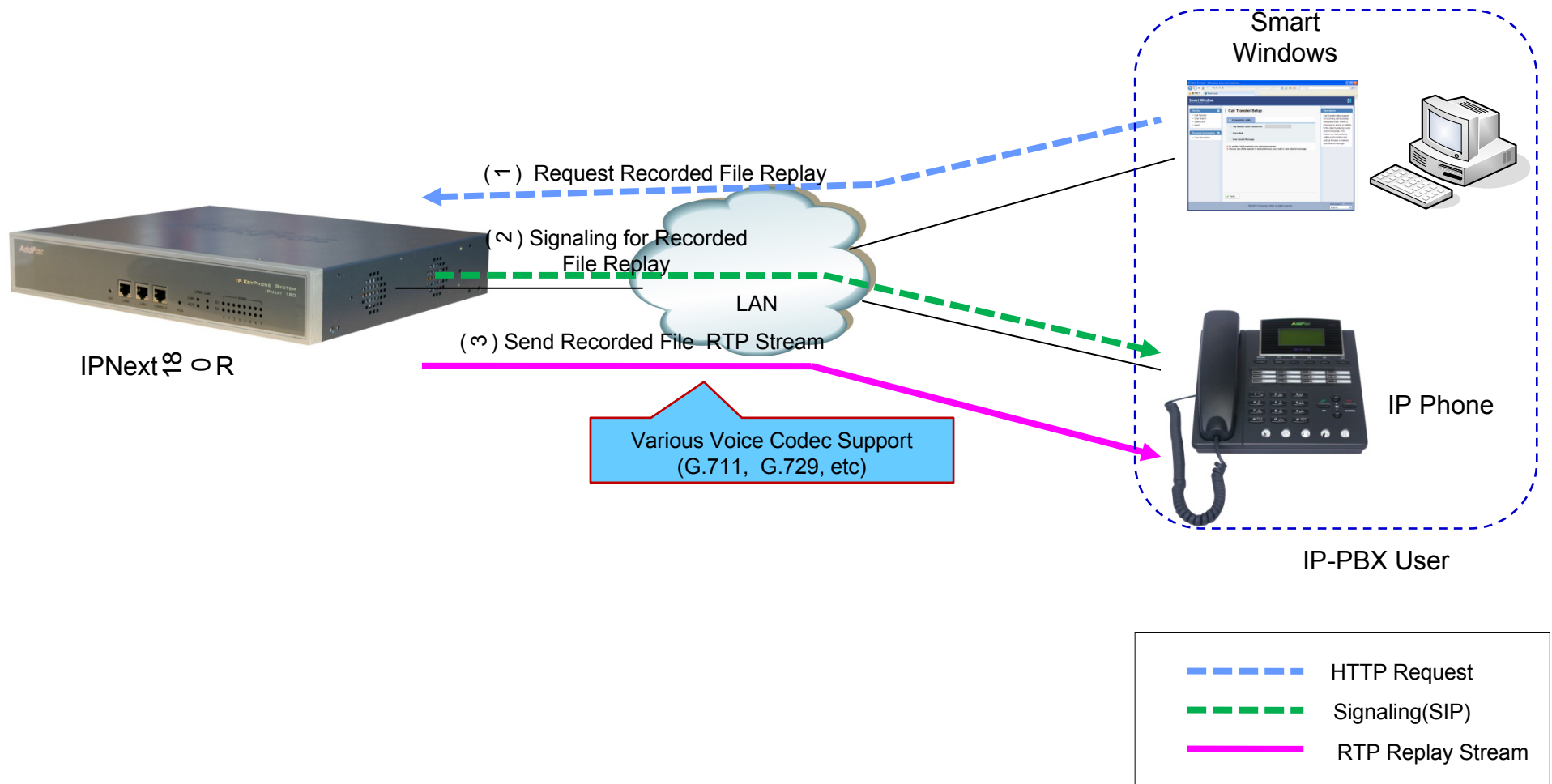
Backup

Powerful Recording Search
* calling number
* called number
* date
* call identifier, etc

Recording Play using IP Phone

Recording Backup
* selected files from recording server to PC storage

Recorded File Replay with IP Phone (Branch)





Thank you!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com