IP Audio Conference Solution

AddPac

AddPac Technology

Sales and Marketing

Contents

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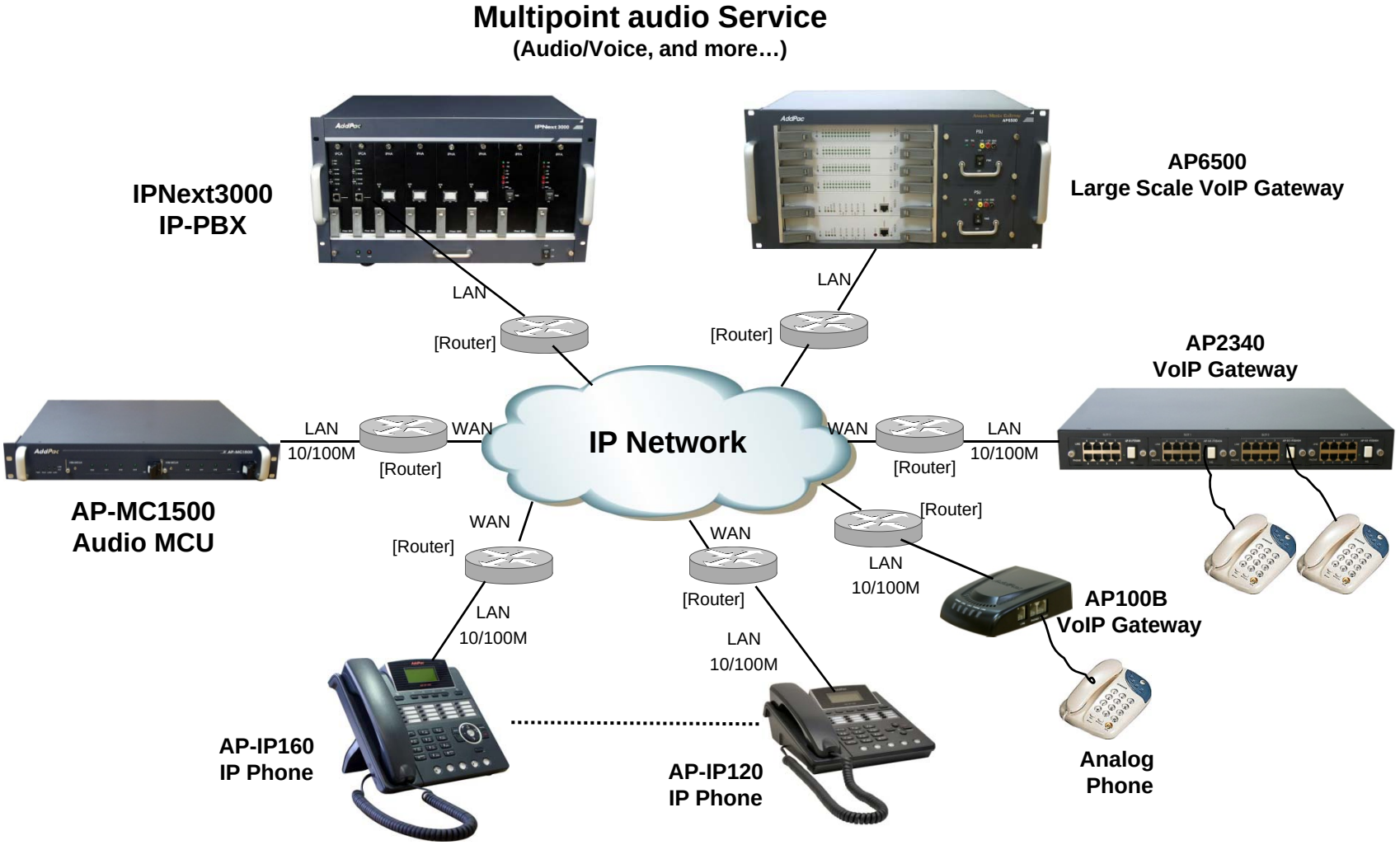
  - Smart Multimedia Manager Program

IP Audio Conference Service Diagram



AP-MC1500
IP based Audio MCU

IP based Audio MCU

AP-MC1500 IP based Audio MCU

Main Features

- IP based Hardware Audio Mixing Solution
- Support Various Conference System Model

  -Add-Hoc, Meet-Me, Dial Out
- Two(2) Module Slots for Audio MCU Module, Network Interface Modules
  - HIM-AMCU128, HIM-AMU64, etc
- Scalability and Flexibility
- G.711, G.726, G.729, G.723,1, etc
- High-performance Audio Mixing Service
- SIP and H.323 VoIP Signaling Support
- Smart Multimedia Manager Software for Management
- Firmware Upgradeable Architecture
- Audio Solution with Outstanding Network Service Capability

IP based Audio MCU

AP-MC1500 IP based Audio MCU

Hardware Specification

- High Performance RISC Microprocessor Computing Power
- Built-in High-end Programmable DSP Hardware Architecture
- Two(2) Module Slots for Audio MCU Module, Network Interface Module
- Main Chassis
  - Network Interface
    - Two(2) 10/100Mbps Fast Ethernet
    - One(1) RS-232C Console (RJ45)

IP based Audio MCU

AP-MC1500 IP based Audio MCU

Hardware Specification

- 128ch MCU Module (HIM-AMCU128)
  - High quality Audio Mixing
  - 128Channel Audio Mixing
  - Compact PCI Style Hot-Swap Function
  - High-End Programmable DSPs
  - Parallel DSP Processing for High Quality Audio Mixing
  - Concurrent Different Audio Codec Support

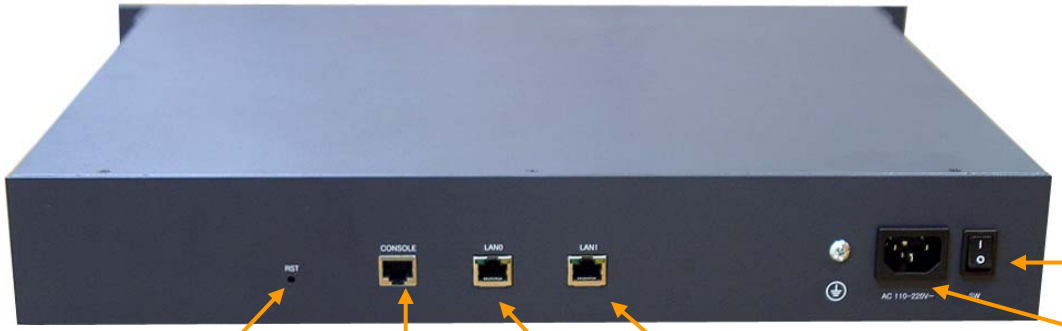
- 64ch MCU Module (HIM-AMCU64)
  - High quality Audio Mixing
  - 64 Channel Audio Mixing
  - Compact PCI Style Hot-Swap Function
  - High-End Programmable DSPs
  - Parallel DSP Processing for High Quality Audio Mixing
  - Concurrent Different Audio Codec Support
  - Cascade Support

IP based Audio MCU

AP-MC1500 IP based Audio MCU

Hardware Specification

Audio MCU Module (128ch, 64ch)



Power Switch

Power Inlet

LAN1 10/100Mbps Interface

LAN0 10/100Mbps Interface

Reset

RS232C Console Port

IPNext3000
IP-PBX

IPNext IP-PBX Comparison Table

Model / Service Features		IPNext3000	IPNext2000	IPNext600
Registration User Number		3000	2000	500
Concurrent Call User Number		800	500	100
IPv4/IPv6 Dual Stack Support		Support	Support	Support
VoIP Signaling	Internal	SIP	SIP	SIP
	External	H.323/SIP	H.323/SIP	H.323/SIP
Powerful IVR, UMS, Media Service, User Presence Service		Support	Support	Support
RTP Proxy Service (IPv6, Private IP)		Support	Support	Support
LAN Port		2	2	2
System Duplication		Support(built-in)	Support(built-in)	Support(Built-In)

Main Features

IPNext3000 Next Generation IP-PBX

- Advanced IP-PBX Solution
- IPv4/IPv6 based Dual Network Protocol Support
- Internal/External RTP Proxy Function Support
  - External RTP Proxy Server for Private Address : AP-RS2000
- Internal/External Presence Function Support with Smart Messenger
  - External Presence Server : AP-PS2000
- Powerful Management and User Friendly Features
- Fault Tolerant and Scalability Architecture
- Firmware Upgradeable Architecture
- Dual System Redundancy Architecture
  - Two(2) 3.5 Inch Hard Disk (RAID 1) / System
  - Two(2) Gigabit Ethernet Interface / System
- Dual Redundancy Power Module
- Smart Multimedia Manager Software

Hardware Specification

IPNext3000 Next Generation IP-PBX

RISC CPU

- 64bit High-End Microprocessor Computing Power
- Main Chassis
  - Dual Redundancy CPU Boards for System Fault Tolerant
    - Two(2) 10/100Mbps 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

Hardware Specification

IPNext3000 Next Generation IP-PBX

RISC CPU

IPNext3000 Front Side

Power On/Off Switch for System

CPU Board (Hot-Swap)

Dual Power Supply Modules (Hot-Swap)

Dual 3.5 Inch HDD Disks(RAID1) : Hot-Swap

FAN Tray for Air Cooling

Power On/Off Switch for FAN Tray

Hardware Specification

IPNext3000 Next Generation IP-PBX

RISC CPU

IPNext3000 Back Side

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

IPNext2000
IP-PBX

Main Features

IPNext2000 Next Generation IP-PBX System

- SIP Application Server, Proxy, Registrar and Location Server
- Multiple ITSP Trunk with SIP & H.323 Accounts Support
- Dual System Redundancy Architecture
  - Two(2) Gigabit 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

Hardware Specification

IPNext2000 Next Generation IP-PBX System

RISC CPU

- 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

Hardware Specification

IPNext2000 Next Generation IP-PBX System

RISC CPU

IPNext2000 Front Side

Power On/Off Switch for System

CPU Board (Hot-Swap)

Dual Power Supply Modules (Hot-Swap)

Dual 3.5 Inch HDD Disks(RAID1) : Hot-Swap

Hardware Specification

IPNext2000 Next Generation IP-PBX System

RISC CPU

IPNext2000 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

IPNext600
IP-PBX

Main Features

IPNext600 Next Generation IP-PBX System

- SIP Application Server, Proxy, Registrar and Location Server
- Multiple ITSP Trunk with SIP & H.323 Accounts Support
- 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
- VPMS (VoIP Plug&Play Management System) & Smart NMS for Large Scale Deployment
- Advanced Voice QoS Mechanism
- Dual Redundancy Power Module

Hardware Specification

IPNext600 Next Generation IP-PBX System

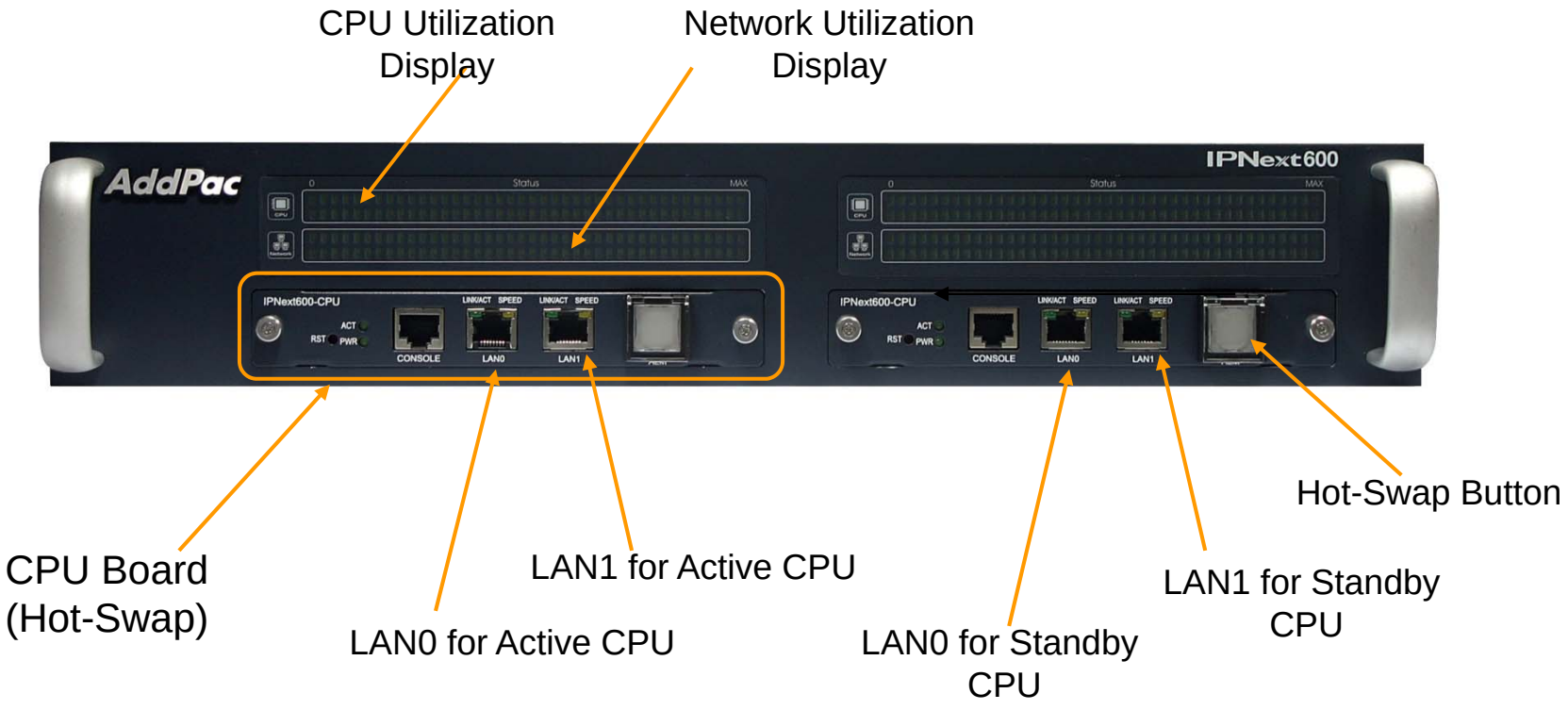
- 64bit High-End Microprocessor Computing Power
- Main Chassis
  - Dual Redundancy CPU Boards for System Fault Tolerant
    - Two(2) 10/100Mbps Gigabit Ethernet
    - One(1) RS-232C Console (RJ45)
  - Dual Redundancy Power Supply Module
  - Hot-Swap Features

Hardware Specification

IPNext600 Next Generation IP-PBX System

RISC CPU

IPNext600 Front Side



Hardware Specification

IPNext600 Next Generation IP-PBX System

RISC CPU

IPNext600 Back Side

Dual Power Supply Modules (Hot-Swap)

PSU Module A

PSU Module B

Power On/Off Switch for System

Large Scale VoIP Gateways

Large Capacity VoIP Gateways

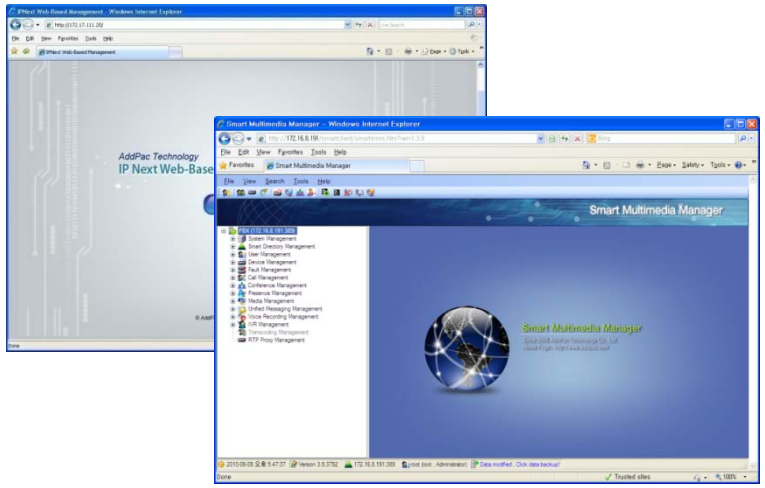
Product	AP3100P	AP6200	AP6500	AP6800
Available VoIP Modules	AP-FXS4, AP-FXO4 AP-FXS2O2, AP-E&M4	AP-N1-FXS8, AP-N1-FXO8, AP-N1-E&M4, AP-N1-FXS4O4, AP-N1-E1/T1, AP-N1-2E1/T1	AP-N1-FXS32 AP-N1-FXO32	AP-N1-FXS32 AP-N1-FXO32
Analog Ports	Up to 60 (4-Port Module x 15)	Up to 80 (8-Port Module x 10)	Up to 128 (32-Port Module x 4)	Up to 256 (32-Port Module x 8)
Signaling	SIP, H.323	SIP, H.323	SIP, H.323	SIP, H.323
CPU Redundancy (Dual CPU)	N/A	N/A	Support (Option)	Support (Option)
E&M	Support	Support	N/A	N/A
Module Slot for VoIP Module	15 Slots	10 Slots	4 Slots	8 Slots
LAN Port	2	2	2	2
Console	1	1	1	1
Dual Power Supply (Option)	Support	Support	Support	Support

IP Phones

IP Phone Comparison Table

	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(Option)	Support	Support	Support	Support	Support	Support
FXO(Option)	Support	Support	Support	Support	Support	Support

Smart Multimedia Manager



Contents

- System Requirements
- Main Features
- System Management
- Smart Directory Management
- User Management
- Device Management
- Fault Management
- Call Management
- PTT Management
- Conference Management
- User Presence Management
- Media Management
- Unified Message Management
- Voice Recording Management
- IVR Management

System Requirements

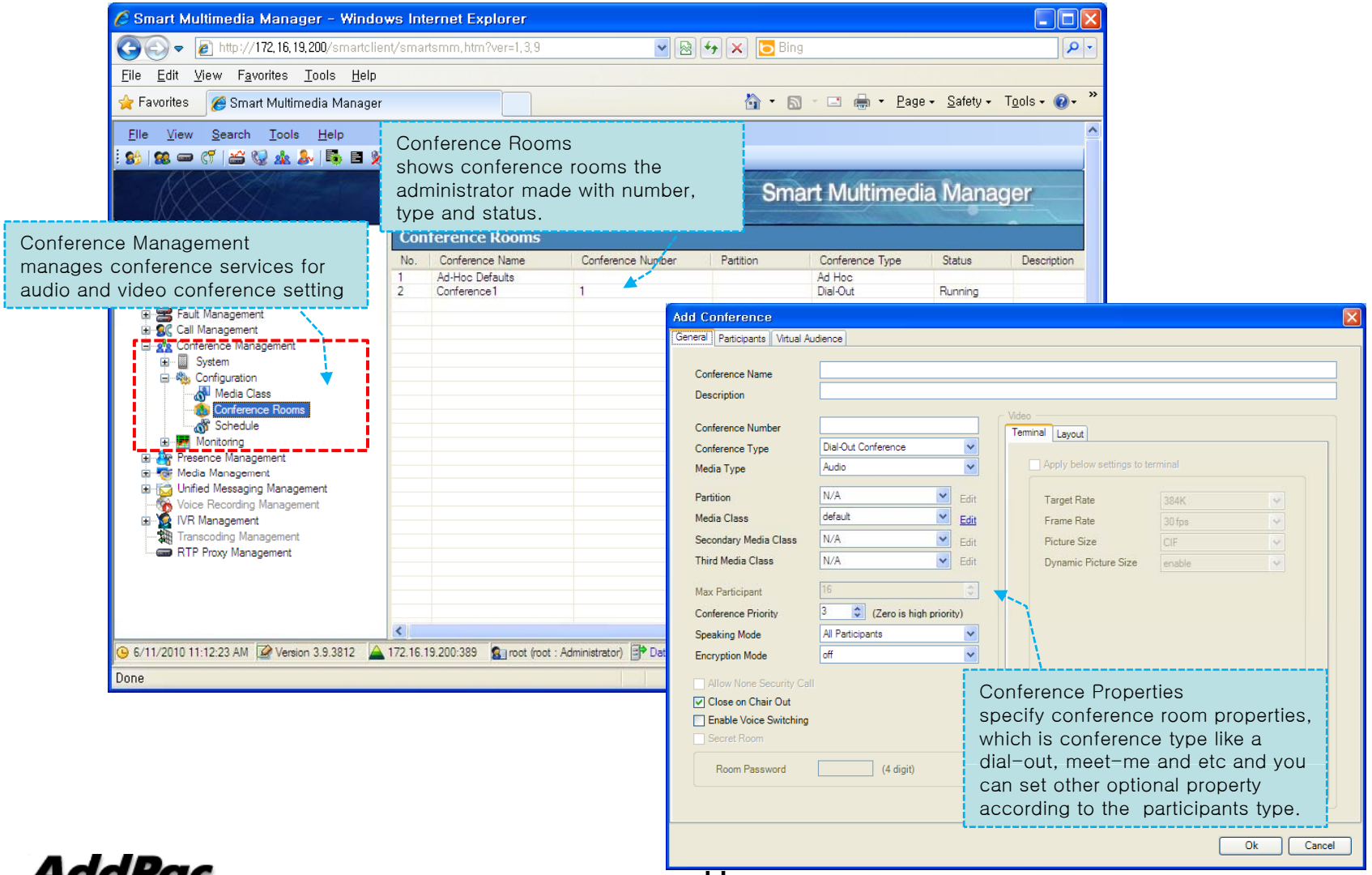
- OS : Windows XP, Vista, Windows7, Windows Server 2000/2003
- CPU : Intel Pentium processor or compatible architecture (32 bit and 64-bit)
- Internet browser : Microsoft Internet Explorer 6.0 or higher
- Free hard disk space : 200 MB or more
- Physical memory : 256 MB or higher
- Monitor : super VGA (1024 x 768) resolution or higher

Main Features

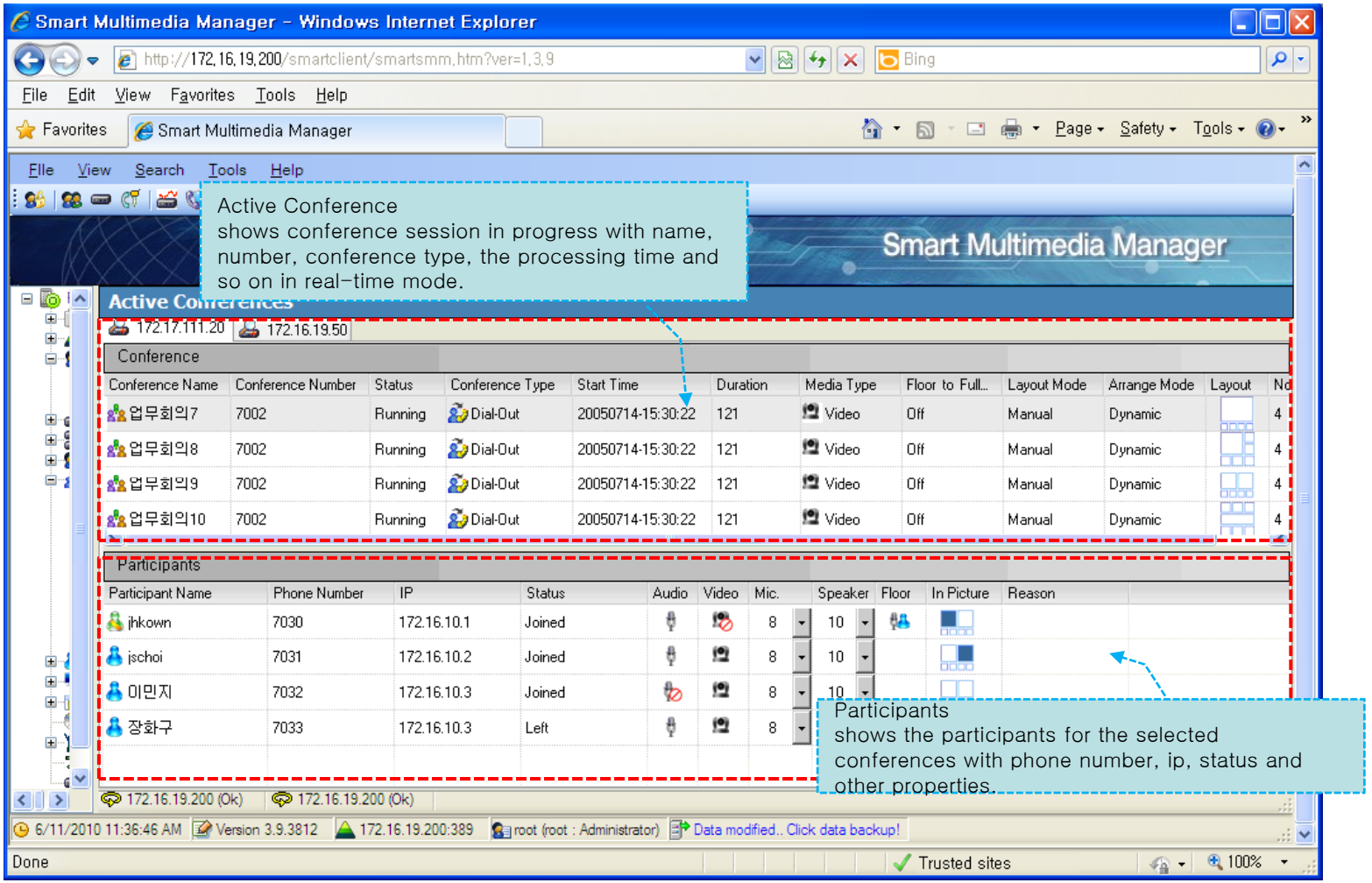
- Provides PBX system information such as voice line, network interfaces(LAN/WAN) and network services.
- Manages phone user , department and devices within a business.
- Supports standard PBX functions such as routing pattern, partition, music on hold, waiting queues and trunk management.
- Manages various PBX-related services such as voicemail, call recording, presence, IVR (Interactive Voice Response) , PTT (Push-To-Talk) and audio & video conference.
- Manages different levels of administrator access.
- Monitors system performance like a CPU utilization, memory, disk usage and current service session in use.
- Provides fault management with fault status board, fault history and reports and statistics view.

Conference Management

Conference Rooms



Active Conferences



Thank you!

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