



AP-BCR5000

Real-time IP Audio Broadcasting Router

Next Generation IP based Audio Broadcasting Router Solution

Preliminary Product Overview



AddPac

AddPac Technology

2013, Sales and Marketing

www.addpac.com

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Product Overview

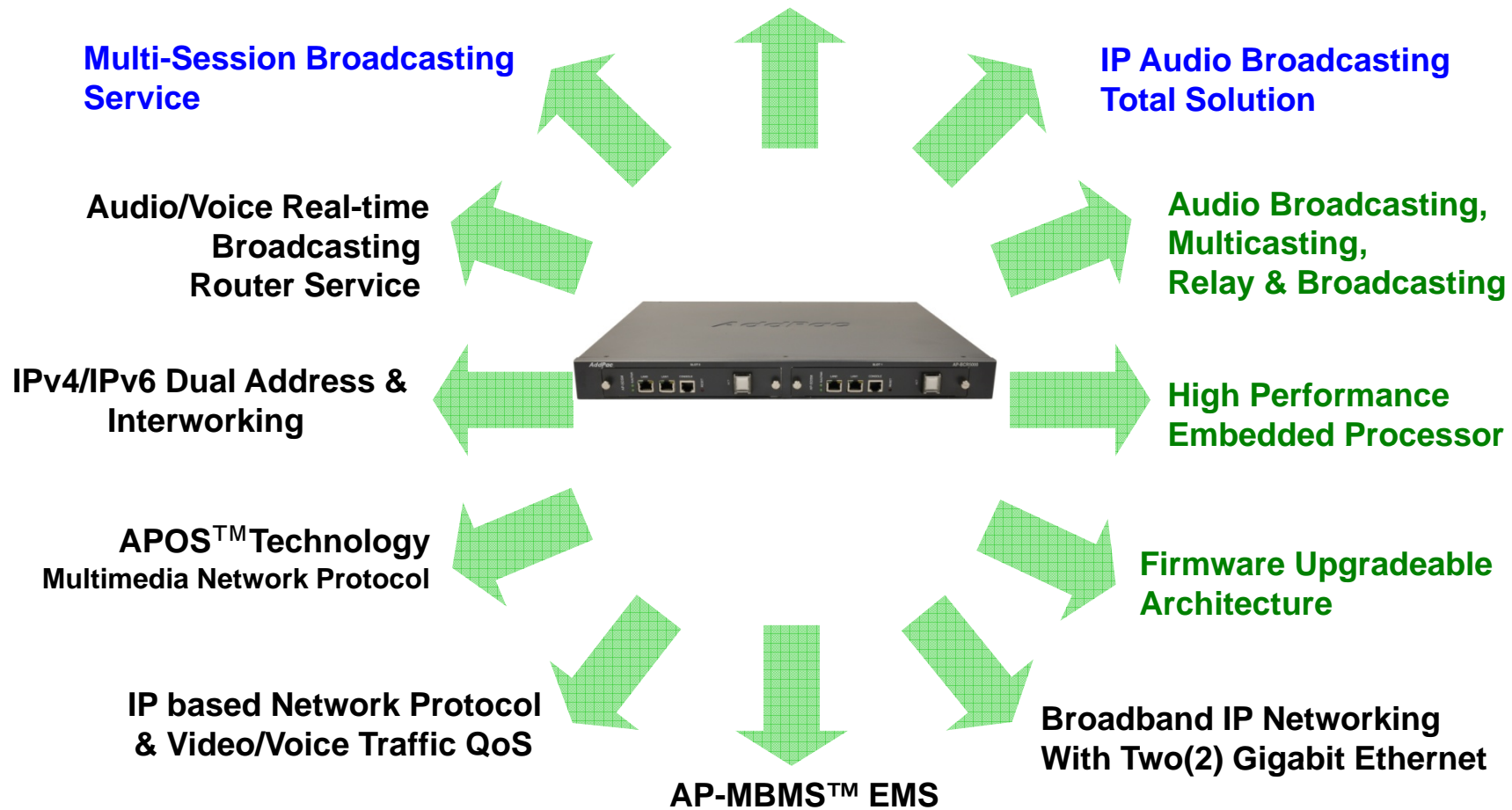
AP-BCR5000 IP Audio Broadcasting Router

- 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)

Product Highlights

AP-BCR5000 IP Audio Broadcasting Router

IP based Voice/Audio Broadcasting Router



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



Audio/Voice Streaming Service Module

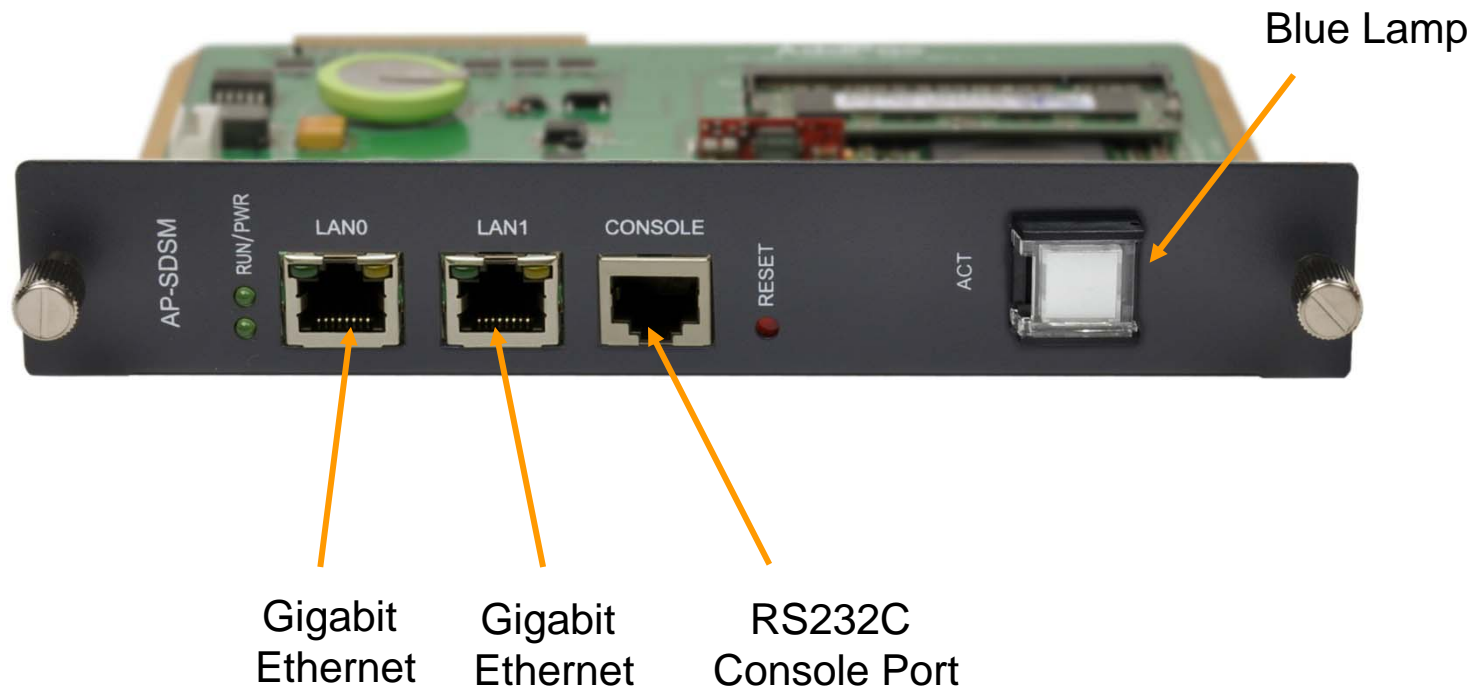


Hardware Specification

AP-BCR5000 IP Audio Broadcasting Router

High-end
DSP

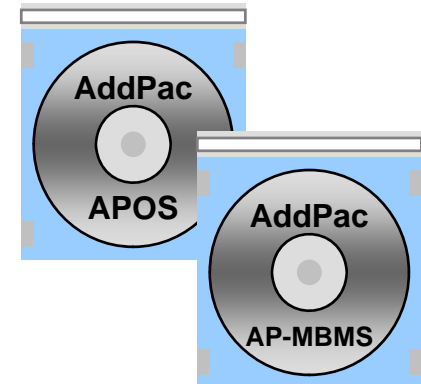
Audio/Voice Streaming Service Module



Software Service

AP-BCR5000 IP Audio Broadcasting Router

- **Built-in AddPac APOS Internetworking Software**
 - Scalability, Functionality, and Stability Features
 - Voice, Audio Traffic QoS Control
- **Audio Broadcasting Router Services**
 - Broadcasting, Multicasting, Relay Broadcasting
- **Multi-Session Broadcasting Service**
- **Industry Standard IP based Network Protocol Features**
- **AP-MBMS (Multi-media Broadcasting Management System) Solution**
 - Server and Client Architecture
 - JAVA based EMS Solution
 - Broadcast Status Monitoring, Scheduling, Login Management, and Remote System Management Support
 - Intel Pentium Machine with MS Window Server OS and MS-SQL



Network Protocol

AP-BCR5000 IP Audio Broadcasting Router

Basic Network Protocols

- ARP, IP, IPv6, TCP, UDP, ICMP, ICMPv6, SCTP, IGMP, MLD

Routing Protocol

- IPv4 : Static
- IPv6 : Static

Service Protocol

- FTP, Telnet, TFTP, DHCP Server/Relay, SNMP Server
- CDP (Cisco Discovery Protocol)
- DNS Resolver , DDNS(nsupdate)
- Bridge
- Syslog
- IP/IPv6 policy control (QoS)
- VPDN (Virtual Private Dial-up Network : L2TP Server)

IPv4/IPv6 Address & Interworking

AP-BCR5000 IP Audio Broadcasting Router

IPv4/IPv6 Interworking

- NAT/PAT for IPv4
- IP connect (formerly ip-share) and device cascade for IPv4
- IP/IP, IP/GRE tunneling
- NAT-PT
- 6to4, Autoconfig tunneling

IPv4 Address Configuration

- Fixed (Static)
- DHCP
- PPPoE

IPv6 Address Configuration

- Fixed (Static)
- EUI-64
- Autoconfig (Neighbor Advertisement and Solicitation)

Miscellaneous

AP-BCR5000 IP Audio Broadcasting Router

Miscellaneous

- Cisco Style CLI
- Standard & Extended IPv4/IPv6 Access List
- Multi-level User Account Management
- IP accounting
- fsh (Embedded file system shell)
- STUN Client

SNMP MIBs

AP-BCR5000 IP Audio Broadcasting Router

SNMP MIBs

- MIB-II
- RMON MIBs (Statistics, History, Alarm, Hosts Group)
- RFC2465 Management Information Base for IP Version 6: Textual Conventions and General Group
- RFC2466 Management Information Base for IP Version 6: ICMPv6 Group
- RFC2452 IP Version 6 Management Information Base for the Transmission Control Protocol
- RFC2454 IP Version 6 Management Information Base for the User Datagram Protocol
- AddPac Enterprise MIBs
- etc

AP-BCR5000 IP Audio Broadcasting Router

Application Area

- IP Audio Broadcasting
- IP Audio Multicasting
- IP Audio Relay Broadcasting

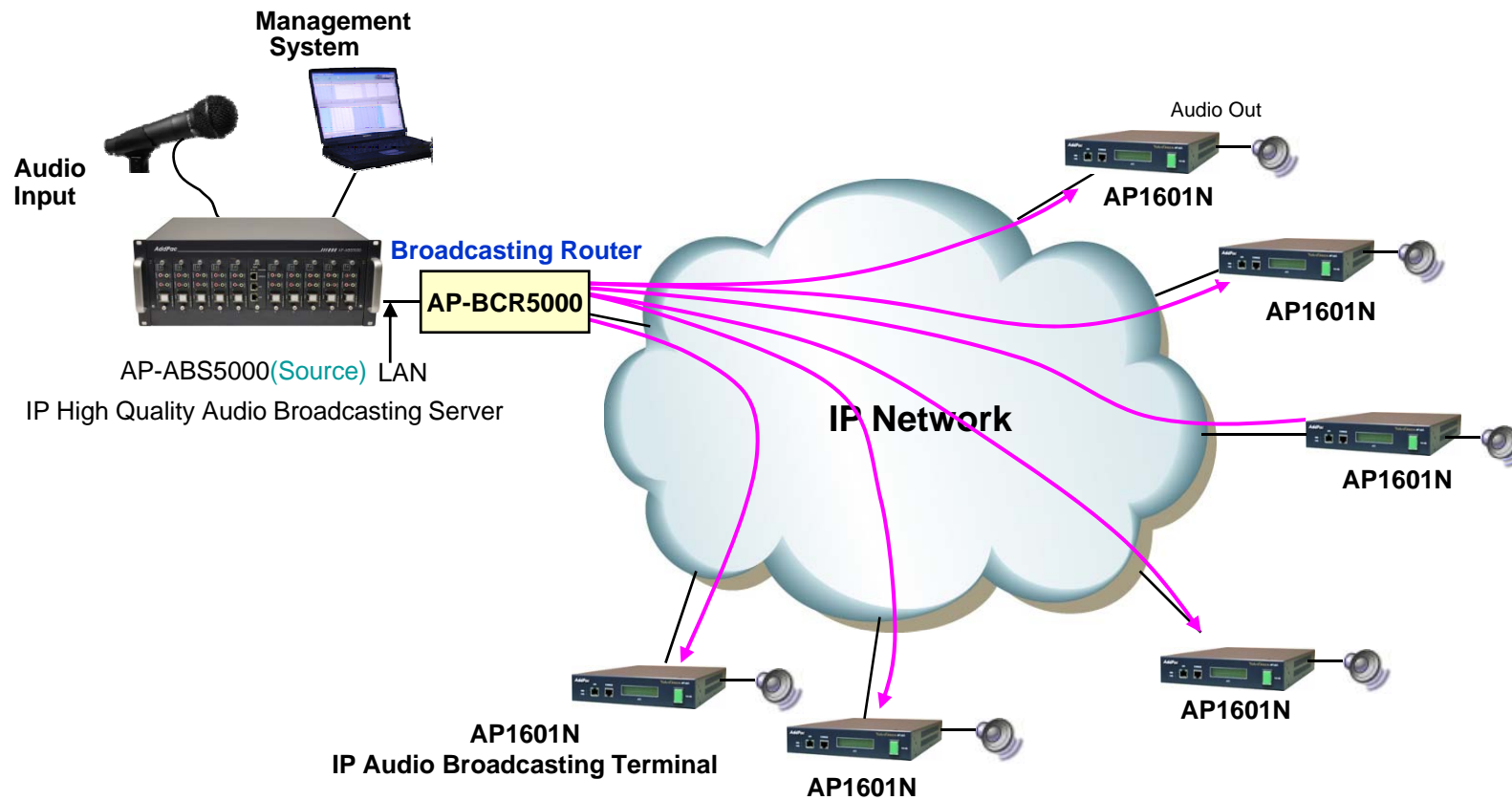


AP-BCR5000

IP Audio/Voice Broadcasting

AP-BCR5000 IP Audio Broadcasting Router

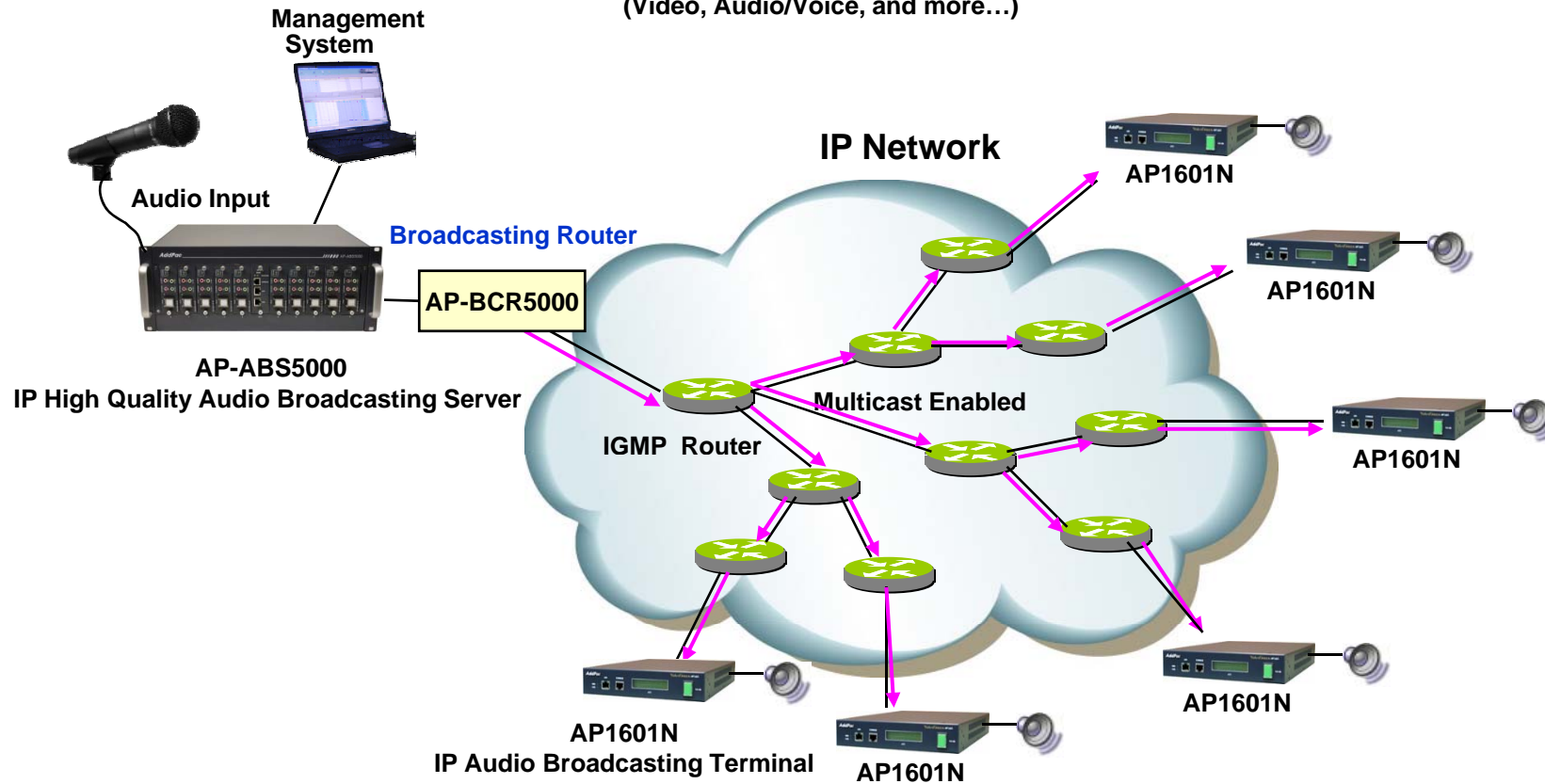
Audio Broadcasting Service via IP Network



Multicasting Service

AP-BCR5000 IP Audio Broadcasting Router

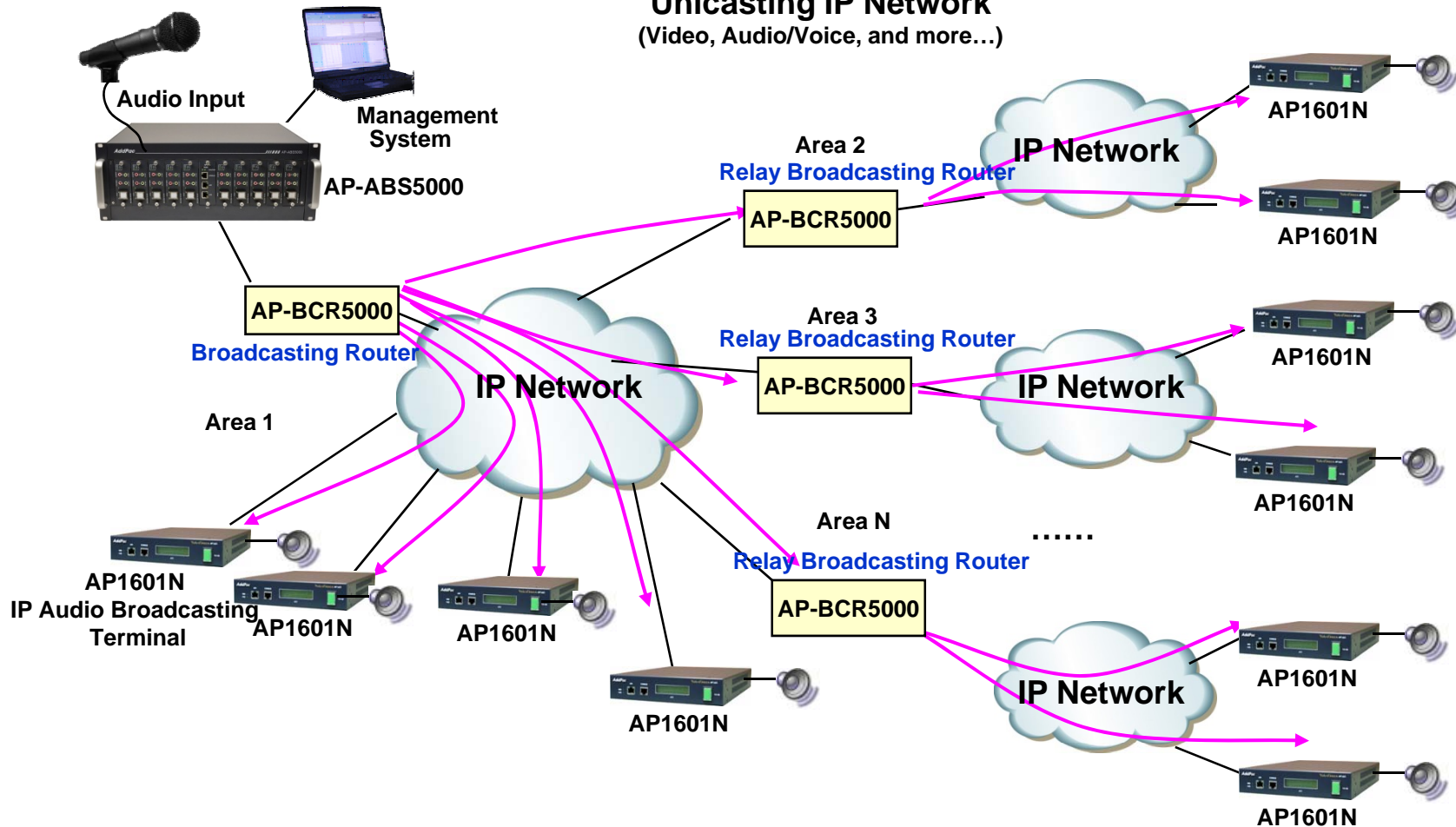
Audio and Video Broadcasting Service via
Multicasting IP Network
(Video, Audio/Voice, and more...)



Relay & Broadcasting Service Scheme

AP-BCR5000 IP Audio Broadcasting Router

Audio and Voice Broadcasting Service via Unicasting IP Network (Video, Audio/Voice, and more...)



IP Audio Broadcasting Solution

AP-BCR5000 IP Audio Broadcasting Router

- IP High Quality Audio Broadcasting Server : AP-ABS5000
- IP Broadcasting Router : AP-BCR5000
- IP Audio Broadcasting Terminal : AP1601N, AP1605
- Network Service Diagram



AP-ABS5000



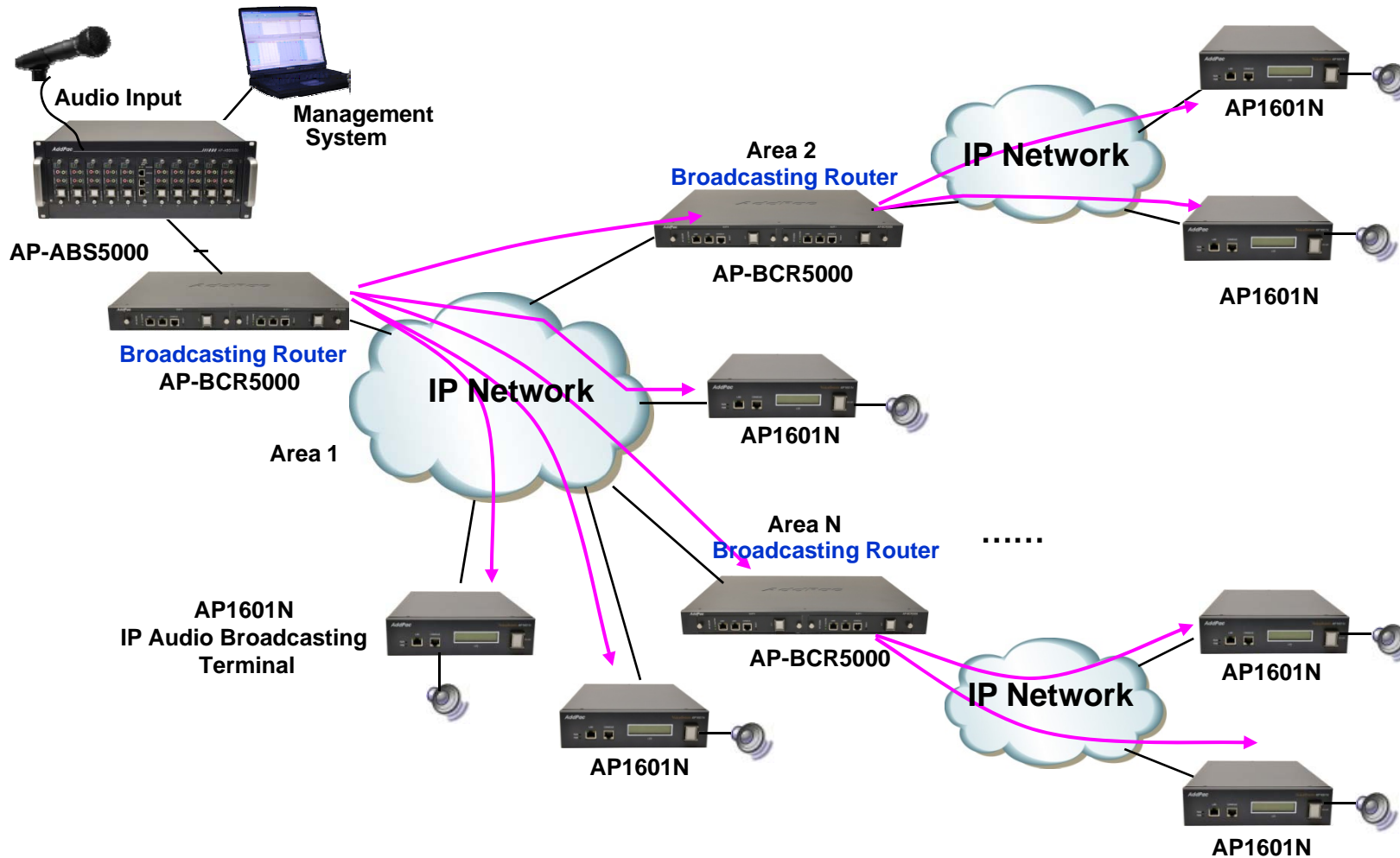
AP-BCR5000



AP1601N

IP Audio Broadcasting Component Diagram

AP-BCR5000 IP Audio Broadcasting Router



Ordering Information

- **AP-BCR5000 IP Audio Broadcasting Router**
 - AP-BCR5000 IP Audio Broadcasting Router Main Body
 - High-performance RISC Microprocessor
 - Embedded H/W Platform
 - Two(2) Streaming Service Module Slots
 - 2-port 10/100/1000Mbps Gigabit Ethernet and 1-port RS-232C Console
 - Including Network Cable Set & Power Supply Cable, etc.
- **Built-in APOS Internetworking Software for AP-BCR5000**
- **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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