New AP-IP300B
Premium IP Phone

High Performance Broadband Convergence Network
IP Phone Solution

FXS Interface Support
for Secondary Analog Phone

AddPac

AddPac Technology

2013, Sales and Marketing

Contents

- Product Overview
- Hardware Specification
- Software Service
- Audio & Voice Service and Features
- Network Service and Features
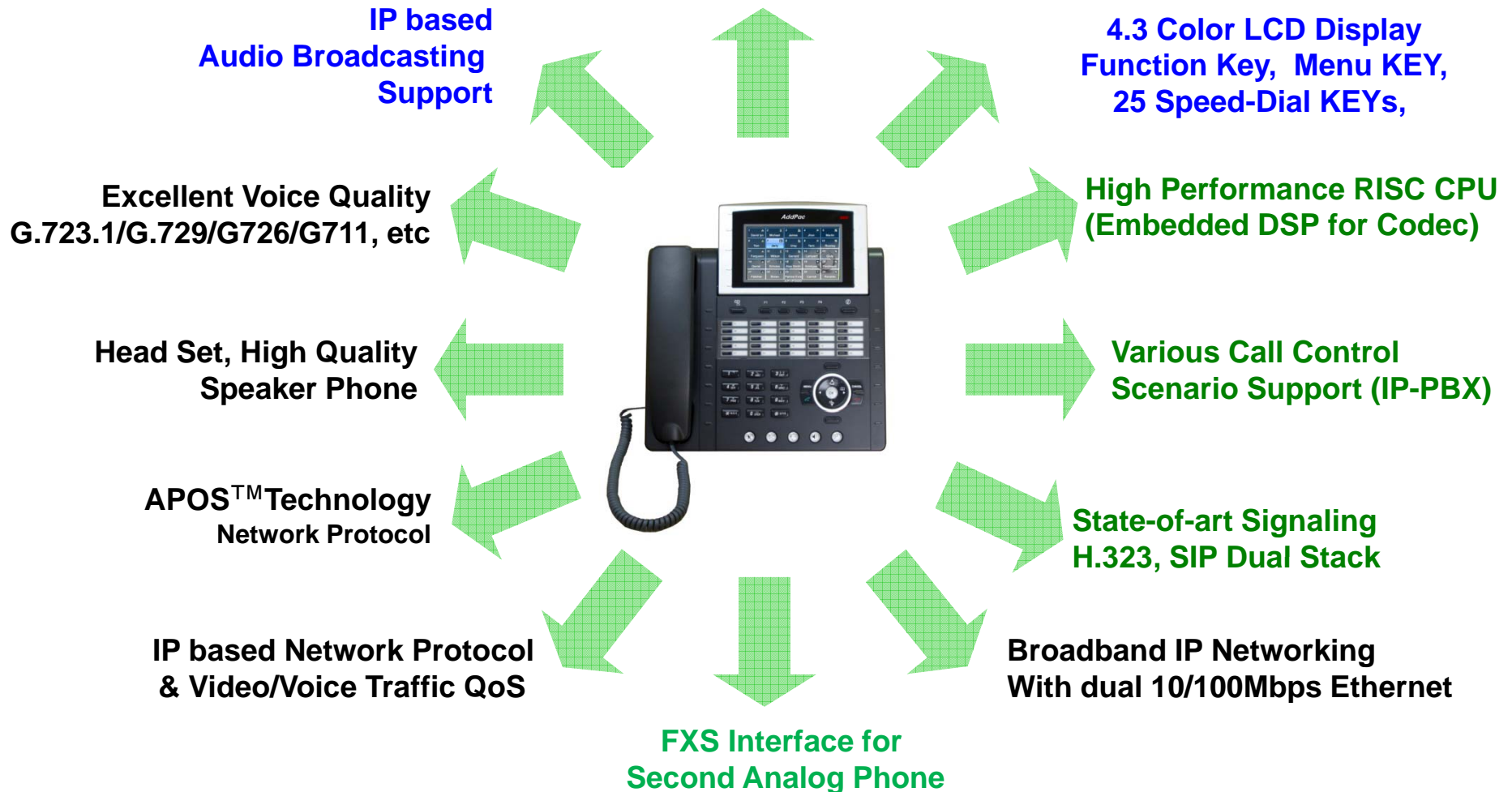- Application Area
- Ordering Information

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Product Overview

- IP Phone Solution

- Audio Broadcasting Solution

- High-performance Audio, and Voice Service

- Firmware Upgradeable Architecture

- VoIP Solution with Outstanding Network Service Capability

- Audio Privacy Protection

Product Highlights
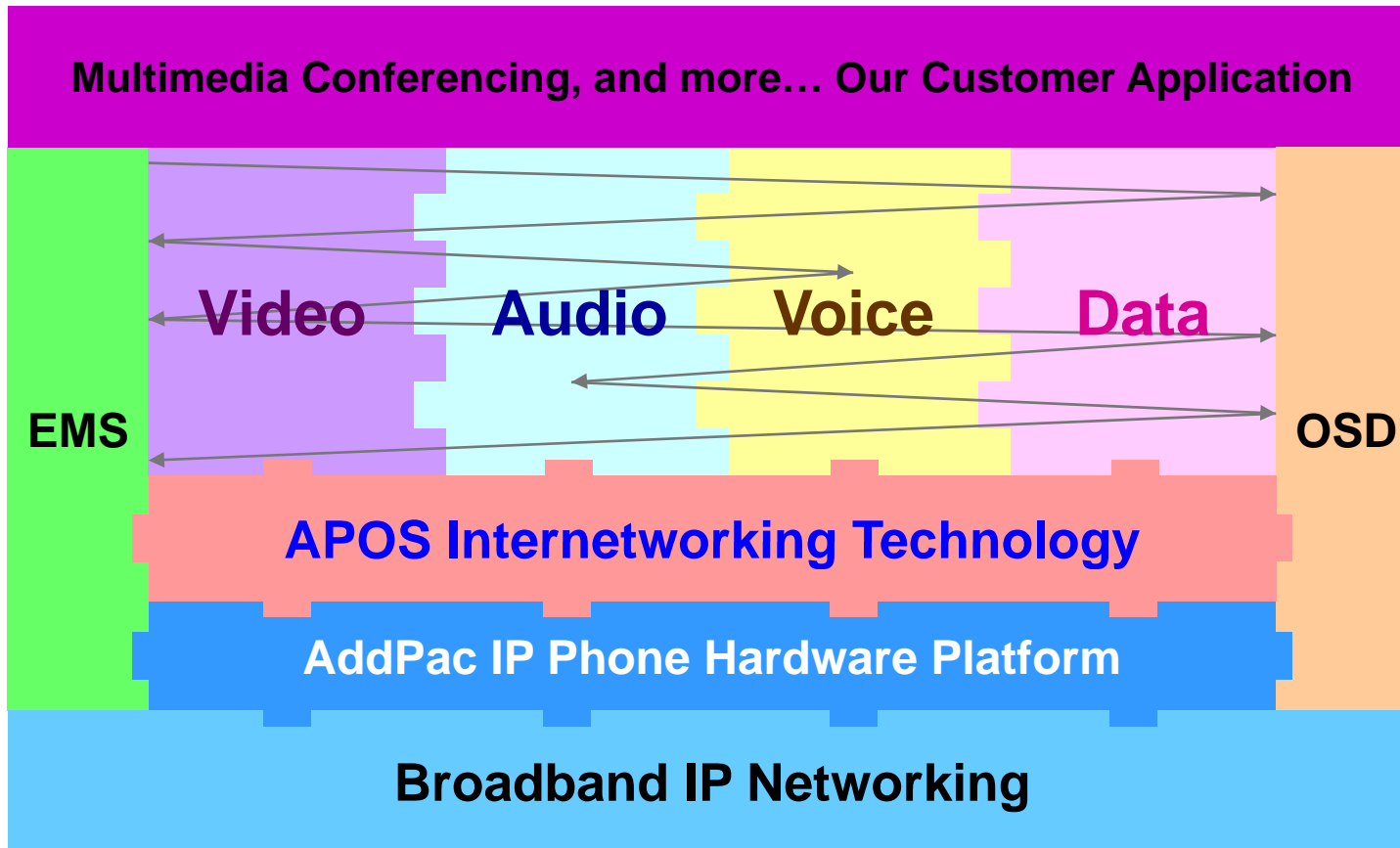
AP-IP300B Premium IP Phone

High-End IP Phone Solution

**IP based
Audio Broadcasting
Support**

**4.3 Color LCD Display
Function Key, Menu KEY,
25 Speed-Dial KEYs,**

**Excellent Voice Quality
G.723.1/G.729/G726/G711, etc**

**High Performance RISC CPU
(Embedded DSP for Codec)**

**Head Set, High Quality
Speaker Phone**

**Various Call Control
Scenario Support (IP-PBX)**

**APOS™ Technology
Network Protocol**

**State-of-art Signaling
H.323, SIP Dual Stack**

**IP based Network Protocol
& Video/Voice Traffic QoS**

**Broadband IP Networking
With dual 10/100Mbps Ethernet**

**FXS Interface for
Second Analog Phone**

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Multimedia Service

Multimedia Conferencing, and more… Our Customer Application

Video **Audio** **Voice** **Data**

EMS

OSD

APOS Internetworking Technology

AddPac IP Phone Hardware Platform

Broadband IP Networking

• APOS : AddPac Internetworking Operating System
• OSD : On- Screen Display
• EMS : Element Management System

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Hardware Specification

- 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 Phone Interface
  - FXS Interface for Analog, Wireless Phone
- 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)

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Software Service

- 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

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APOS
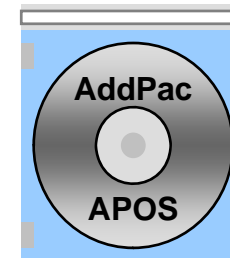
Audio & Voice Service and Features

AP-IP300B Premium IP Phone

- Audio & Voice Networking Interface
  - Audio Input/Output Port (2 x 3.5mm Stereo Female Connector)
- VoIP based Signaling Protocol Support
  - H.323, SIP Multiple Signaling Protocol Stack
  - H.323 Gateway, Gatekeeper Support
- High-performance Audio & Voice Codec Support
  - Line IN/OUT : G.723.1,G.729, G.726, G.711 Audio Codec, etc
- Enhanced QoS Management Features for Voice Traffics

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Network Service and Features

- Network Managements
  - Standard SNMP Agent (MIB v2) Support
  - Remote Management using Console, Telnet
  - Web based Management using HTTP Server Interface
- Security Functions
  - Standard & Extended IP Access List
  - Enable/Disable for Specific Network Protocols
  - Multi-level User Account Management
  - Auto-disconnect for Telnet/Console Sessions
  - PPP User Authentication Supports (PAP & CHAP)
- Operation & Managements
  - System Performance Analysis for Process, CPU, Connection Interface
  - Debugging, System Auditing, and Diagnostics Support
  - System Booting and Auto-rebooting with Watchdog Feature
  - System Managements with Data Logging
  - IP Traffic Statistics with Accounting

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Network Service and Features

- Network Managements
  - DHCP Server & Relay Functions
  - Network Address Translation (NAT) Function
  - Port Address Translation (PAT) Function
  - Transparent Bridging (IEEE Standard) Function
    - Spanning Tree Bridging Protocol Support
    - Remote Bridging Support
    - Concurrent Routing and Bridging Support
  - Cisco Style Command Line Interface (CLI)
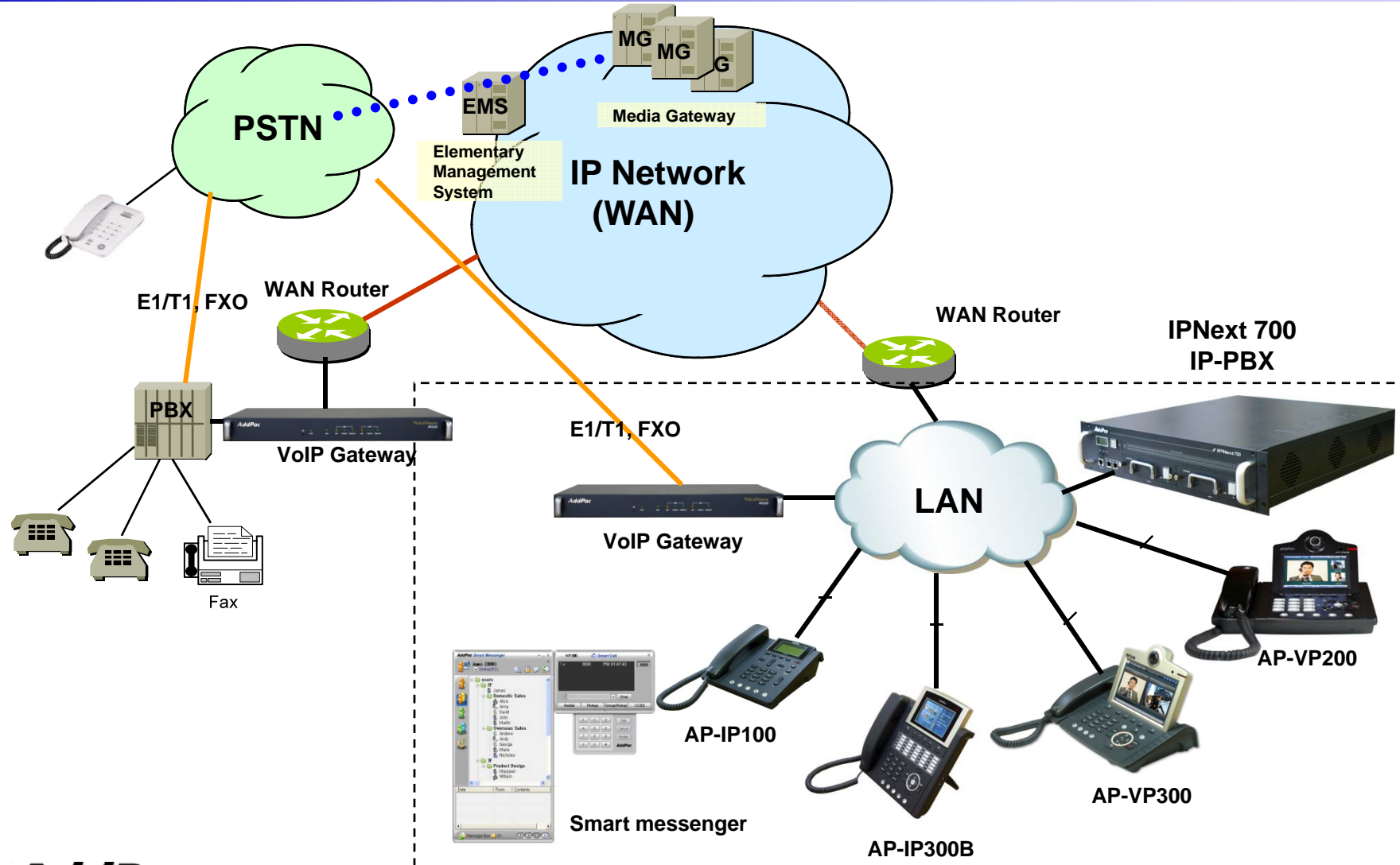 - Network time Protocol (NTP) Support

AP-IP300B IP Phone

Application Area

- IP-PBX IP Phone Terminal (SIP, H.323, etc)
- Secondary Analog Phone Interface
- Audio/Video Real-time Broadcasting
- Audio Conference

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Standard IP-PBX Application

AP-IP300B Premium IP Phone

Secondary Analog Phone Interface (CASE1)

AP-IP300B Premium IP Phone

MG MG G

EMS

Media Gateway

Elementary Management System

PSTN

IP Network (WAN)

Two(2) Independent Terminal Application

WAN Router

E1/T1, FXO

PBX

VoIP Gateway

E1/T1, FXO

VoIP Gateway

Fax

WAN Router

IPNext 700 IP-PBX

LAN

FXS Phone Interface

AP-IP300B

Analog Phone or Wireless Phone

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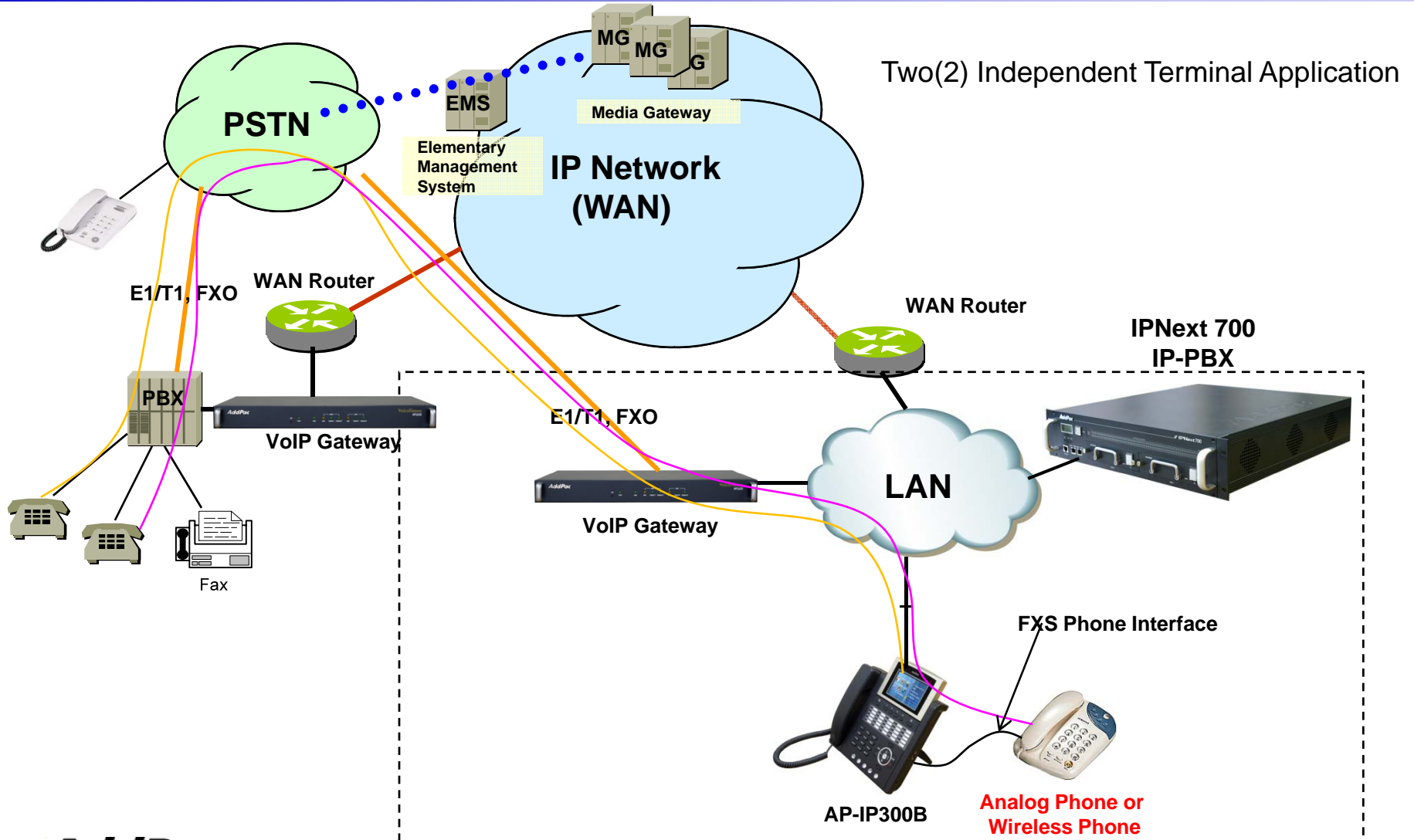
Secondary Analog Phone Interface(CASE2)

AP-IP300B Premium IP Phone

Single Terminal Application
(IP Phone+ Analog Phone, bridge mode)

PSTN

MG **MG** **G**

EMS

Media Gateway

Elementary
Management
System

**IP Network
(WAN)**

E1/T1, FXO

WAN Router

WAN Router

**IPNext 700
IP-PBX**

PBX

VoIP Gateway

E1/T1, FXO

LAN

VoIP Gateway

Fax

FXS Phone Interface

Ringing

Ringing

AP-IP300B

**Analog Phone or
Wireless Phone**

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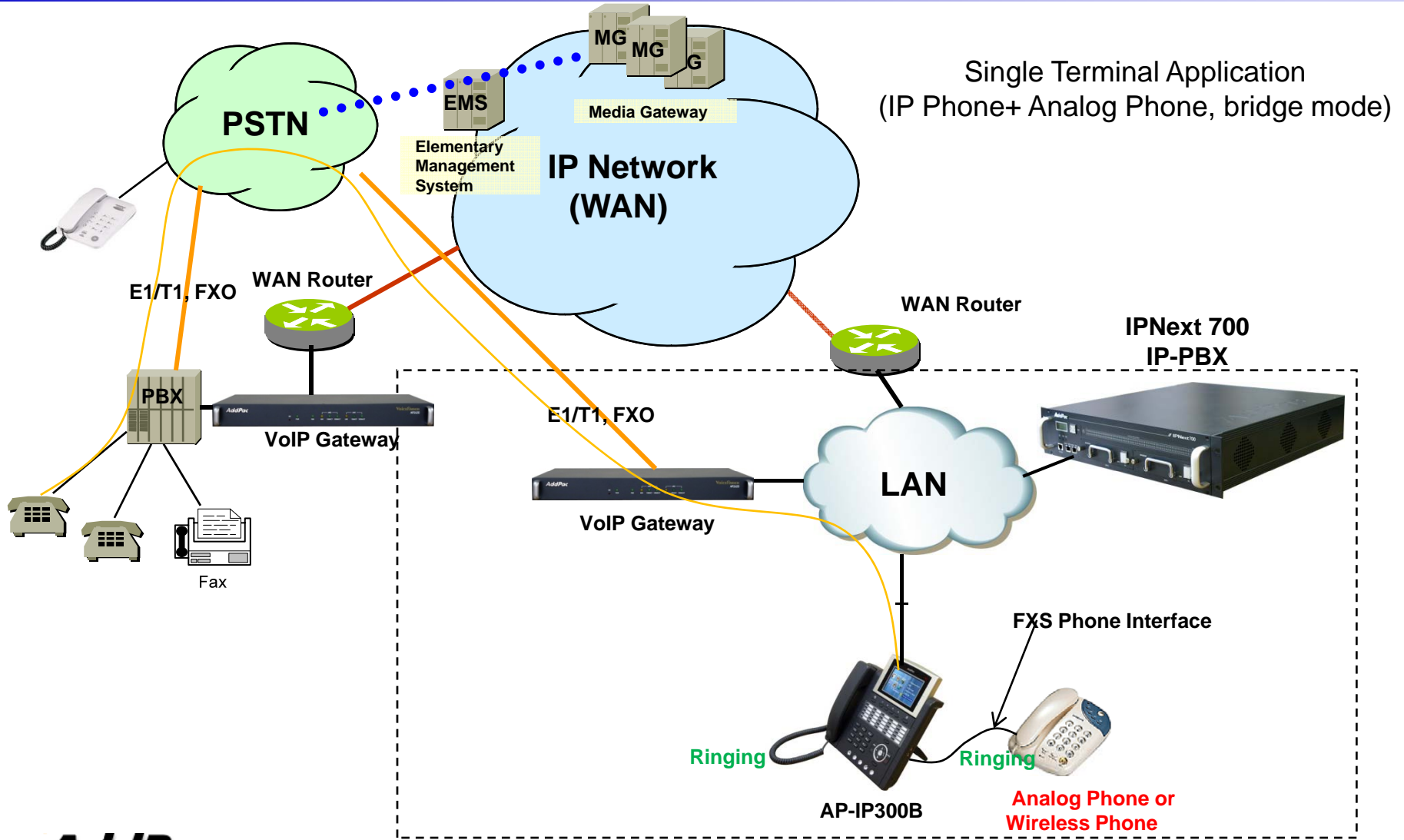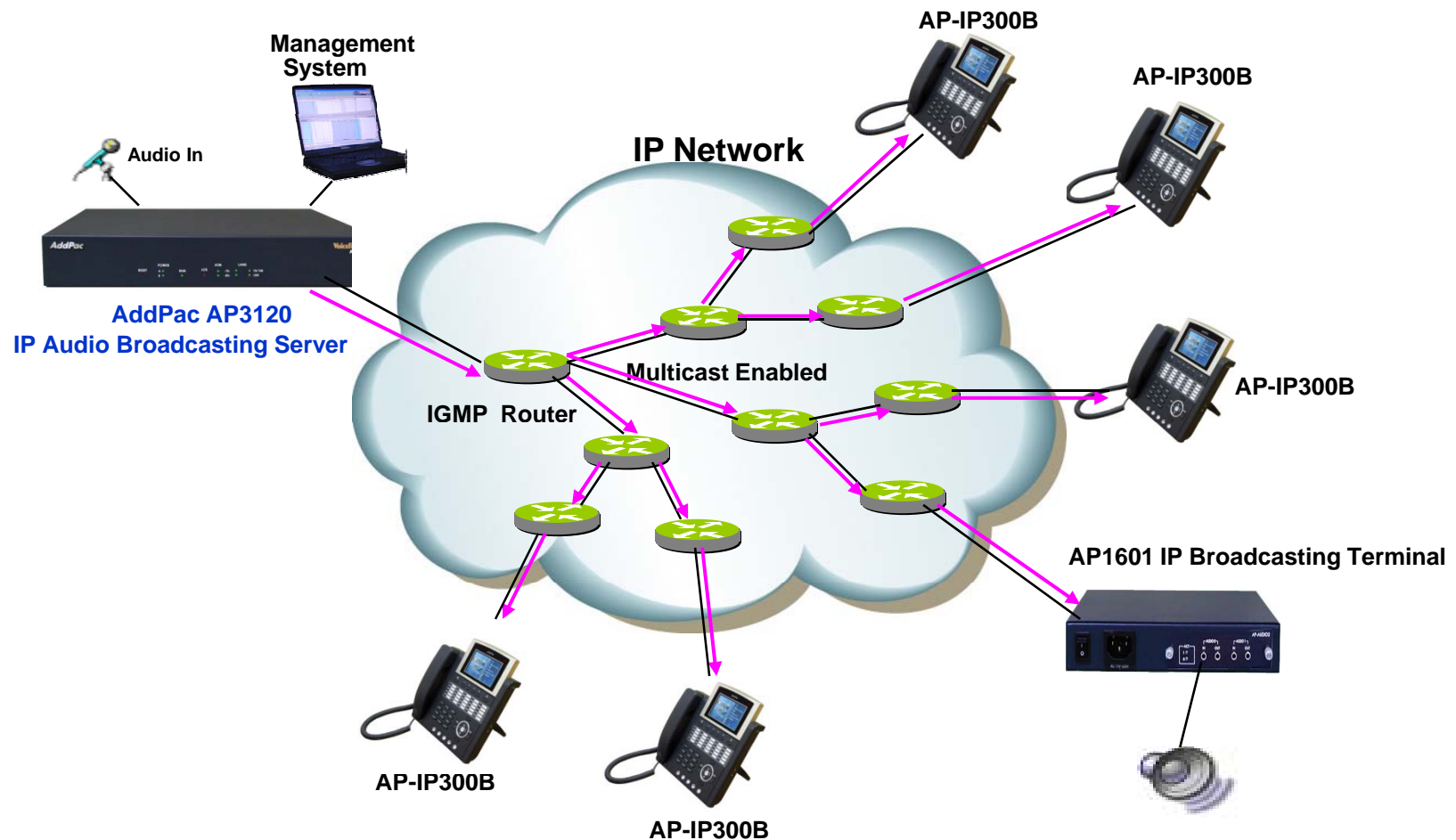
Audio Real-time Broadcasting

AP-IP300B Premium IP Phone

**IP based Audio Broadcasting Service via
Multicasting IP Network**
(Video, Audio/Voice, and more…)

Management System

Audio In

IP Network

AddPac AP3120
IP Audio Broadcasting Server

IGMP Router

Multicast Enabled

AP-IP300B

AP-IP300B

AP-IP300B

AP-IP300B

AP-IP300B

AP1601 IP Broadcasting Terminal

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Audio Real-time Broadcasting

AP-IP300B Premium IP Phone

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

Audio In

**AddPac AP3120
IP Audio Broadcasting Server**

IP Network

**Area 2
Relay Server**

**Area 3
Relay Server**

**Area N
Relay Server**

IP Network

IP Network

IP Network

AP-IP300B

AP-IP300B

AP-IP300B

AP-IP300B

AP-IP300B

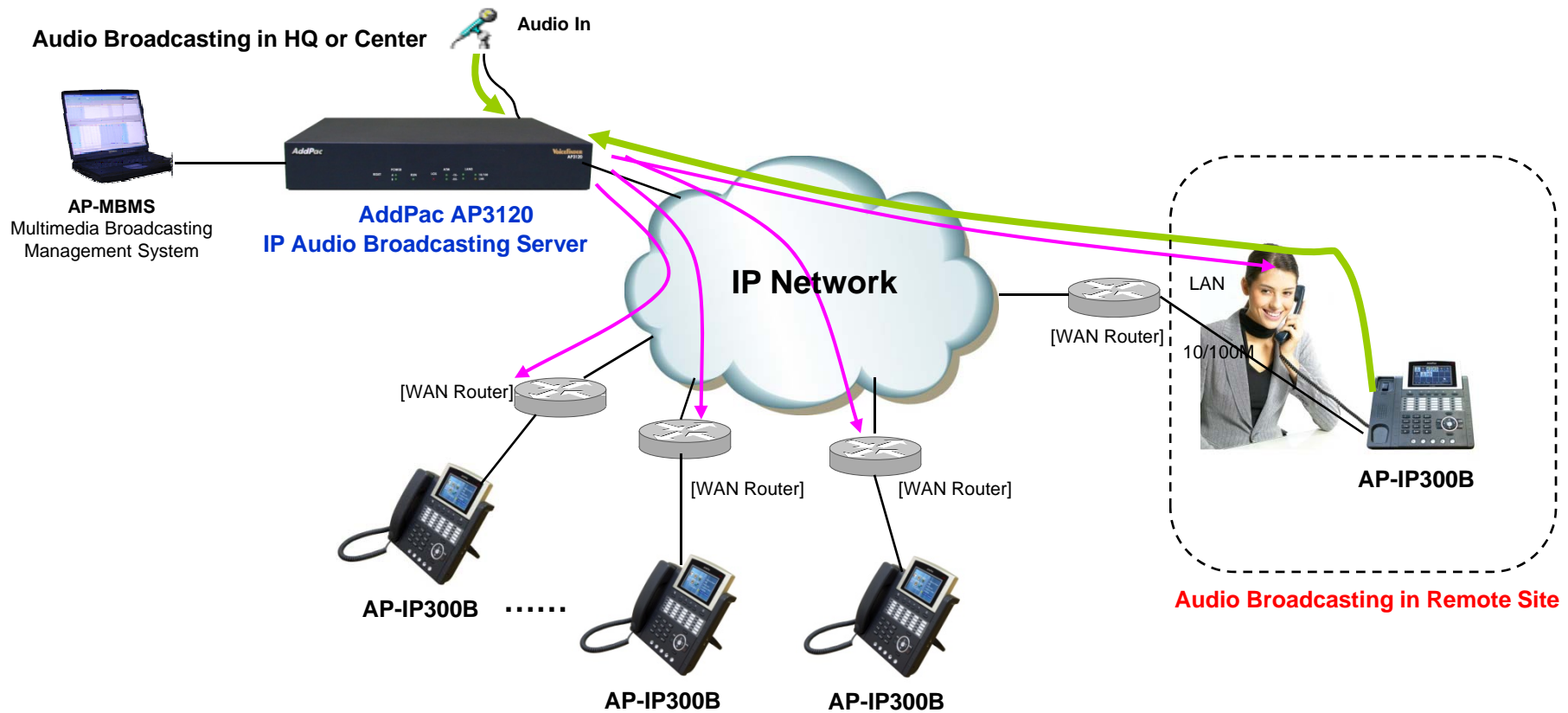**AP-IP300B**

AP-IP300B

AP-IP300B

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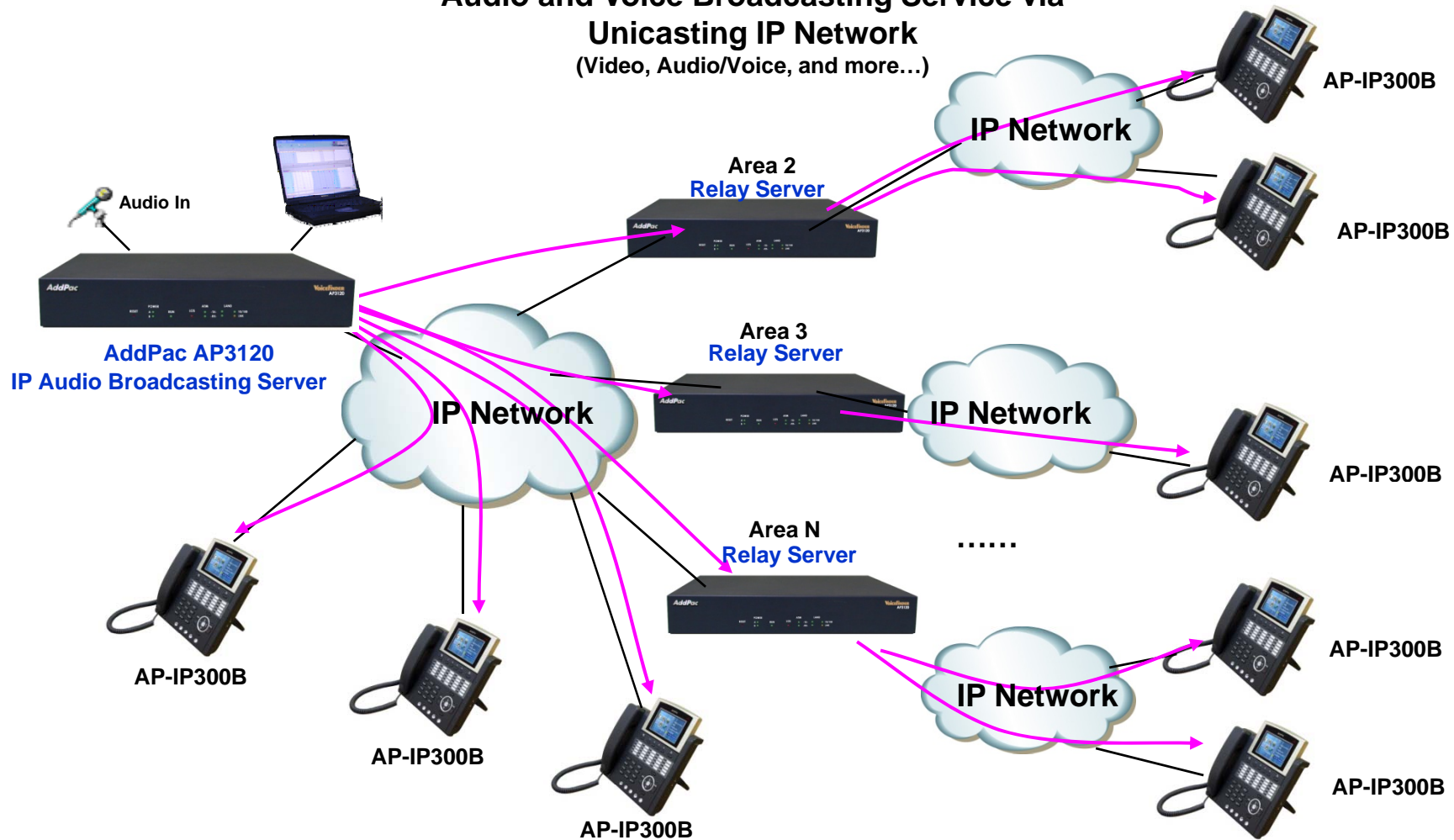
Audio Real-time Broadcasting
AP-IP300B Premium IP Phone

Remote Site Audio and Video Broadcasting Service
(Video, Audio/Voice, and more…)

Audio Broadcasting in HQ or Center

Audio In

AP-MBMS
Multimedia Broadcasting
Management System

AddPac AP3120
IP Audio Broadcasting Server

IP Network

[WAN Router]

[WAN Router]

[WAN Router]

LAN

10/100M

[WAN Router]

AP-IP300B

AP-IP300B ·····

AP-IP300B

AP-IP300B

Audio Broadcasting in Remote Site

Audio Conferencing (Audio MCU)

AP-IP300B Premium IP Phone

MG MG G

EMS

Media Gateway

PSTN

Elementary
Management
System

**IP Network
(WAN)**

E1/T1, FXO

WAN Router

E1/T1, FXO

WAN Router

PBX

AddPac VoiceFinance IP500

VoIP Gateway

AddPac VoiceFinance IP500

VoIP Gateway

**IPNext 700
IP-PBX**

LAN

AddPac IPNext 700

Fax

AP-IP300B

AP-IP300B

AP-MC1000

Audio MCU Module

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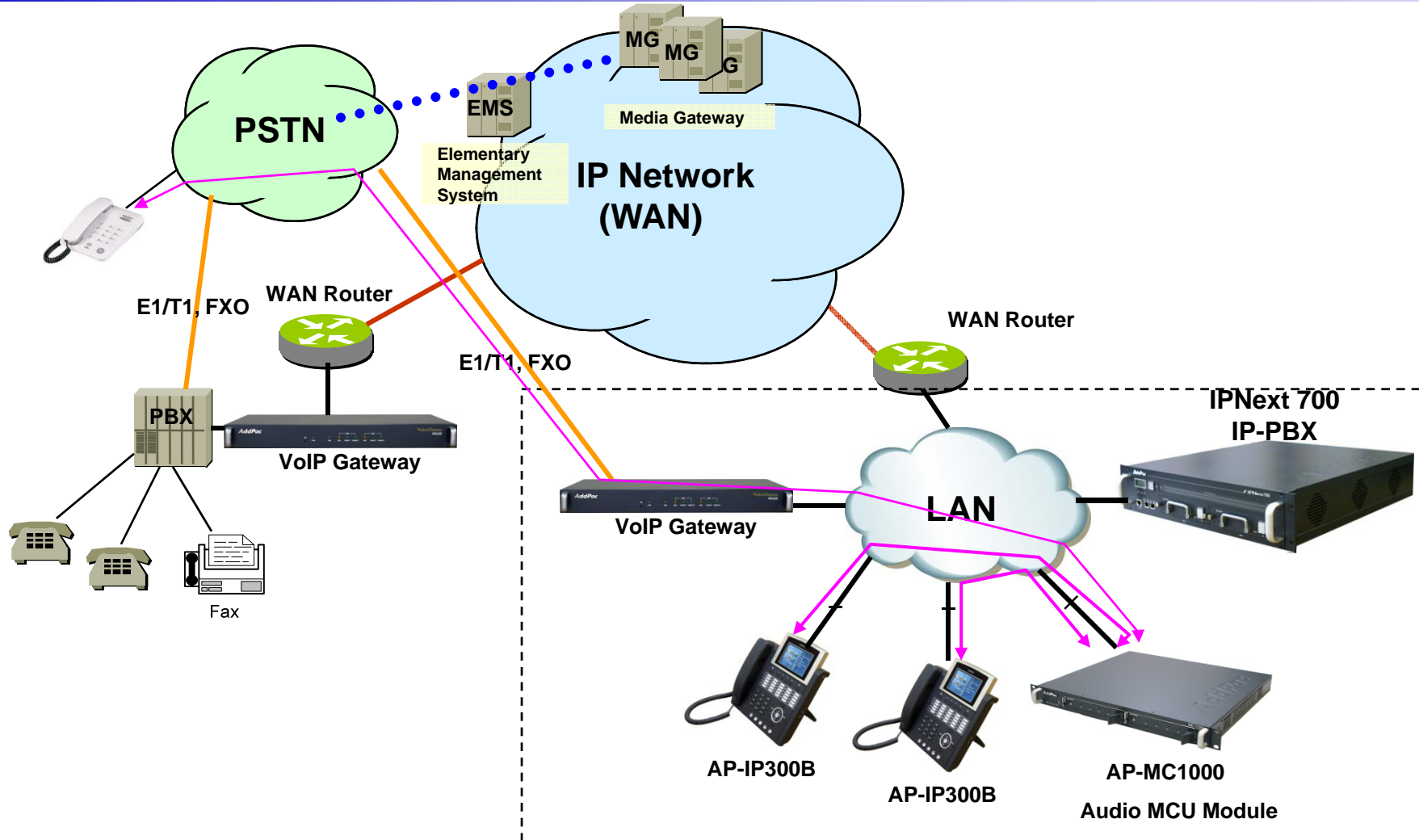
Ordering Information

- AP-IP300B Premium IP Phone Hardware
  - AP-IP300 IP Phone Main Body
  - RISC Microprocessor with Embedded DSP Architecture
  - 4.3Inch Color LCD, Function KEY, Menu KEY
  - External 3.5mm Audio Input/Output
  - 2-ports 10/100Mbps Fast Ethernet and 1-port RS-232C Console
  - Optional FXS Port for Phone Interface
  - Including Network Cable Set & Ext. Power Supply, etc.
- Built-in APOS Internetworking Software for AP-IP300B
- 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

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Thank you!

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