

IPNext 700
NGN IP-PBX

High-performance Next Generation IP-PBX Solution





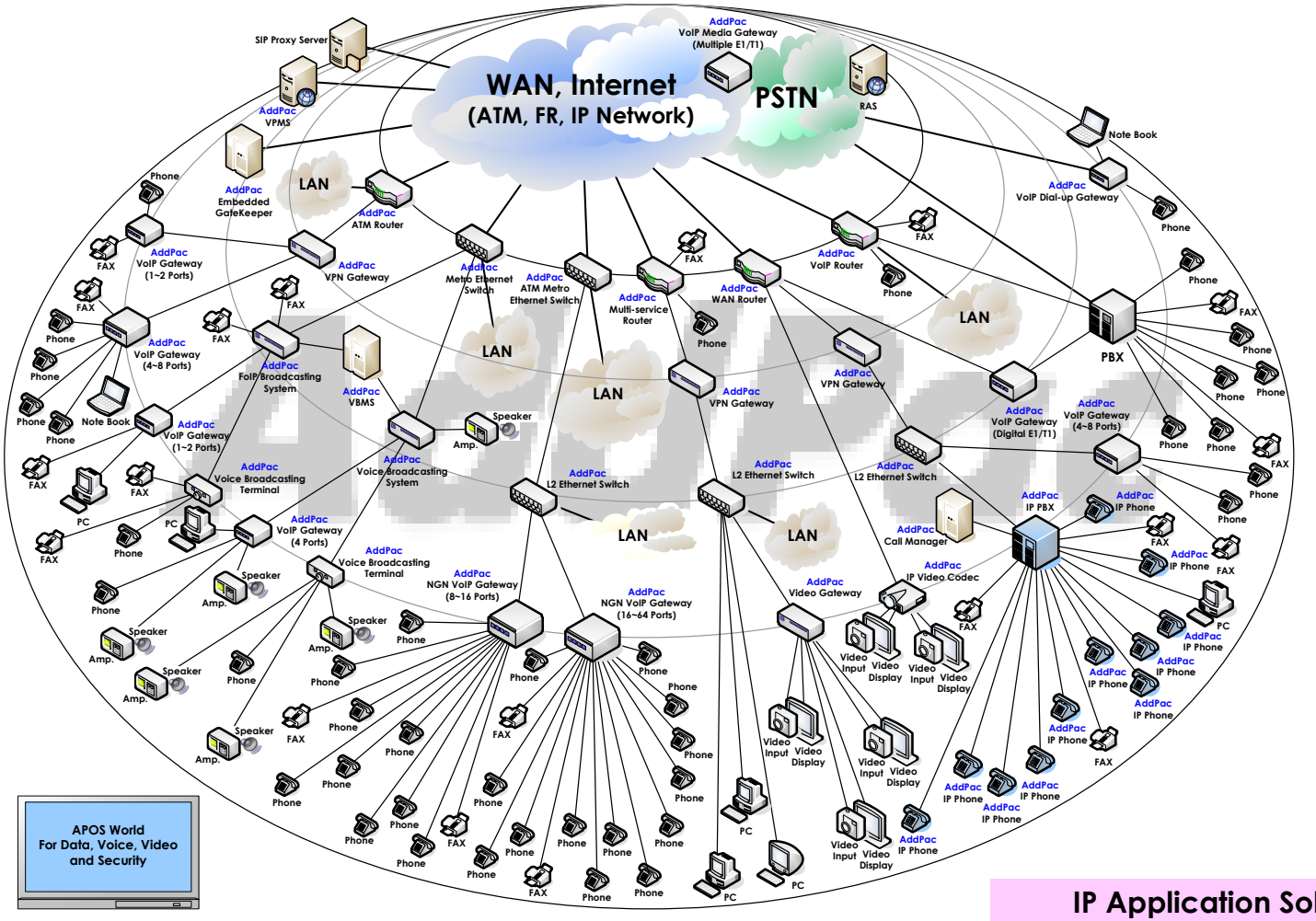
AddPac

AddPac Technology

Sales and Marketing

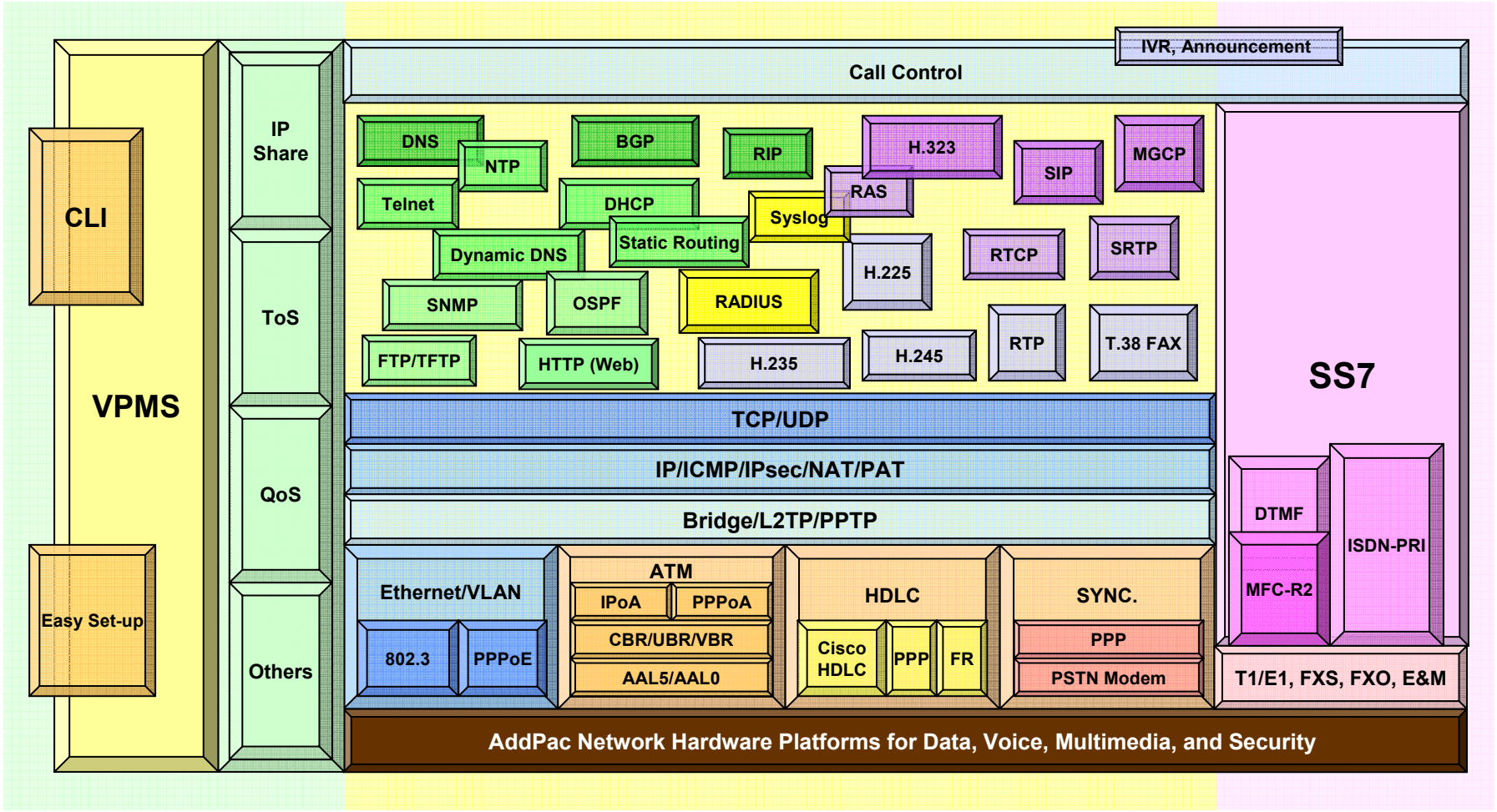
www.addpac.com

V²oIP Internetworking Solution



IP Application Solutions

APOS Internetworking Protocol



IPNext 700 NGN IP-PBX

- Product Overview
- Hardware Specification
- Multimedia Service
- Software Service
- Network Service and Features
- User Terminals
- Application Area
- Ordering Information



Product Overview

IPNext 700 Next Generation IP-PBX

- IP based Advanced PBX Solution
- Powerful Management and User Friendly Features
- Fault Tolerant and Scalability Architecture
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Voice/Audio Privacy Protection
  - Secure RTP, VPN Function
- Two(2) 3.5 Inch Hard Disk (RAID 1)
- Two(2) Gigabit Ethernet Interface
- Dual Redundancy Power Module



Product Highlights

IPNext 700 Next Generation IP-PBX

IP based Advanced IP-PBX

Various Call Scenario Support

Powerful Voice Mail & IVR

Built-in Audio MCU

Smart Messenger Support



Two(2) 3.5 Inch IDE HDD

Support the Various
Multimedia Terminals

APOS™ Technology
Multimedia Network Protocol

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

IPv4/IPv6 based Network Protocol
& Voice Traffic QoS

Broadband IP Networking
With Dual Gigabit Ethernet

Smart Multimedia Management for
Operation & Management

Hardware Specification

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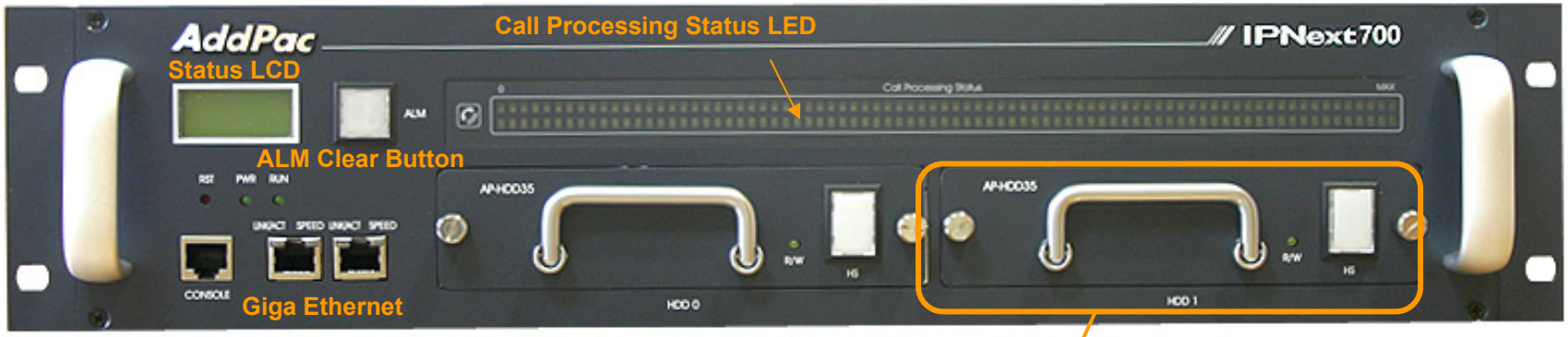
- **RISC Microprocessor Computing Power**
- **Main Chassis**
  - **Network Interface**
    - Two(2) 10/100Mbps Gigabit Ethernet
    - One(1) RS-232C Console (RJ45)
  - **Two(2) 3.5 Inch Hard Disk Interface Slot (RAID 1)**
  - **Dual Redundancy Power Supply Module**
  - **Call Status Monitoring Display LEDs**

Hardware Specification

IPNext 700 Next Generation IP-PBX

RISC CPU

IPNext 700 Front Side





Hard Disk Module (RAID1)

Hot-Swap Switch & LAMP Indication

Hardware Specification

IPNext 700 Next Generation IP-PBX

RISC CPU

IPNext 700 Back Side

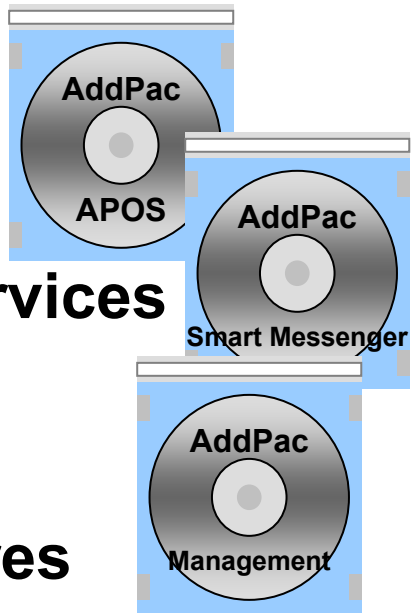


Power Supply Module

Software Service

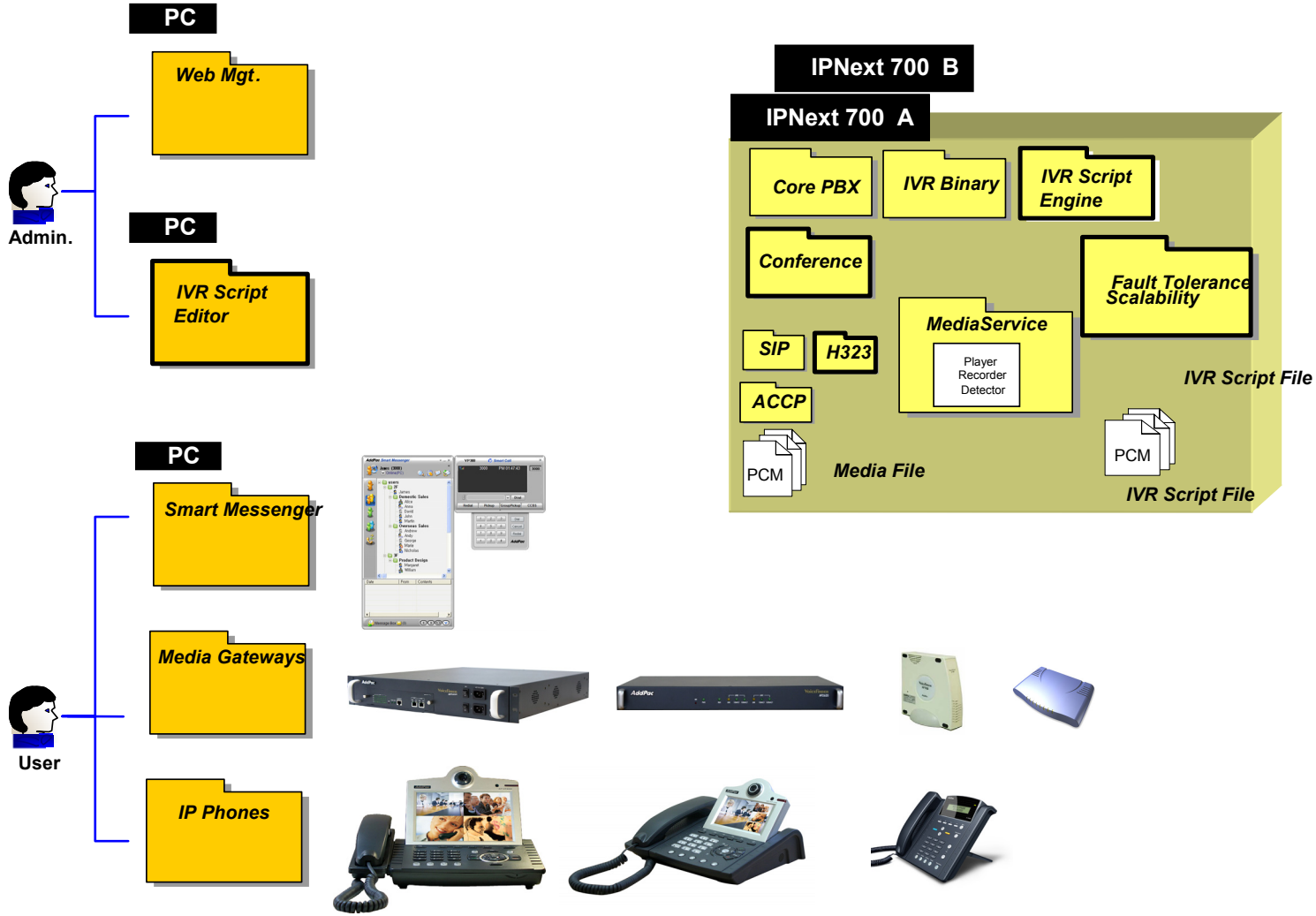
IPNext 700 Next Generation IP-PBX

- **Built-in AddPac APOS Internetworking Software**
  - Scalability, Functionality, and Stability Features
  - Advanced IP-PBX Call Manager Features
  - QoS Control Features
- **Programmable Video, Audio, and Voice Services**
  - Audio, and Voice Codec
- **Firmware Upgradeable Architecture**
- **Industry Standard Network Protocol Features**
- **Highly User Friendly Management Features**
  - PC based Smart Messenger
  - Smart Multimedia Manager for Operation & Management



IP-PBX Software Components

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Telephony Service and Features

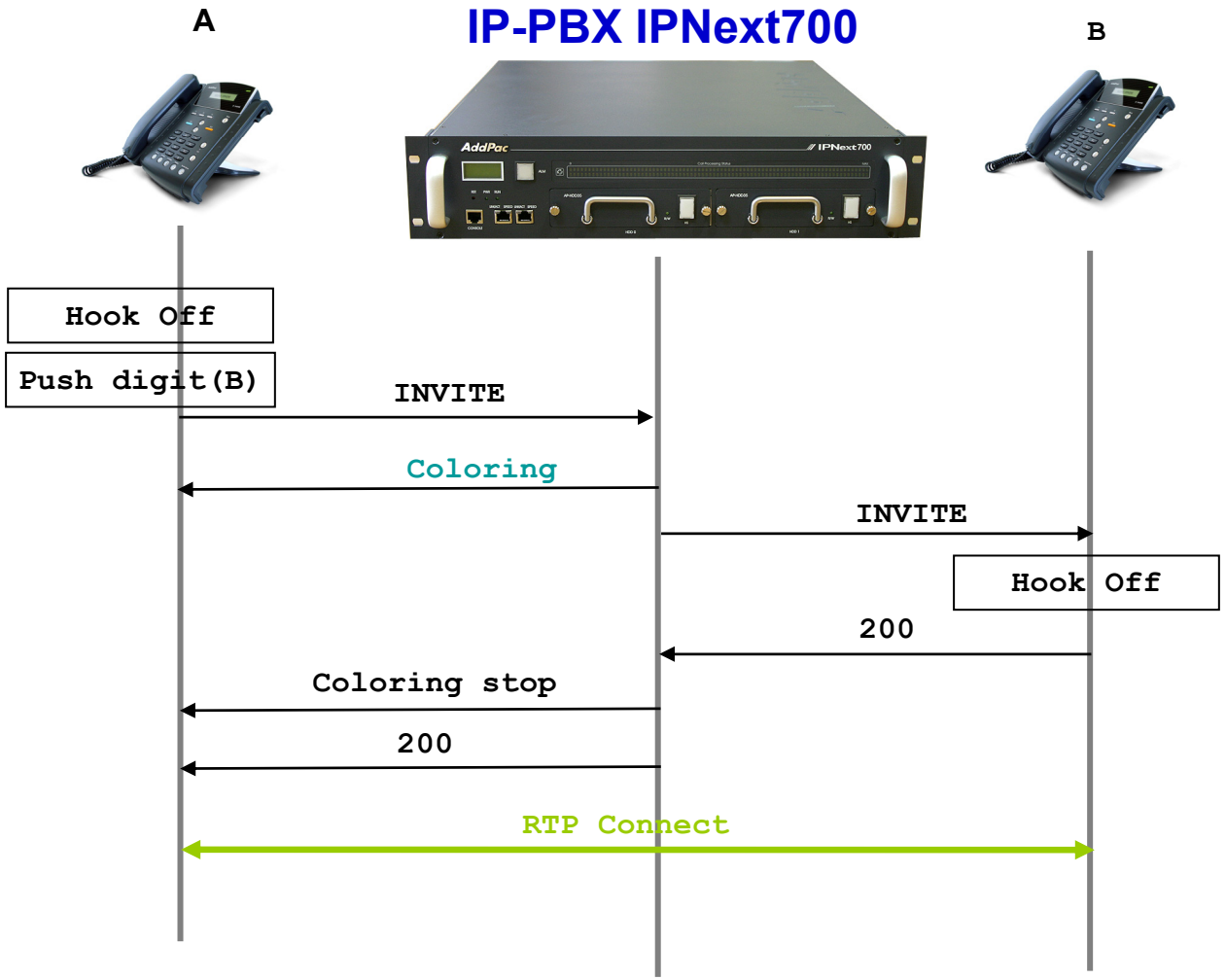
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- Basic Call
- Coloring Service
- Music On Hold
- Blind Transfer
- Call Pickup
- Group Call Pickup
- Consult Call
- Switching Call
- Consult Transfer
- Call Waiting
- Call Park
- Call Pickup Remote
- Hunt Group
- etc



SIP based Basic Call Scenario

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Network Service and Features

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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 Provate Dial-up Network : L2TP Server)

Network Service and Features

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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)

Network Service and Features

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Miscellaneous

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

Network Service and Features

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SNMP MIBs

- MIB-II
- RMON MIBs (Statistsics, 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

IP based User Terminals

IPNext 700 Next Generation IP-PBX

- AP-VP350 MCU Video Phone
- AP-VP300 Video Phone
- AP-VP200 Video Phone
- AP-VP150 Video Phone (2006, Q4 new)
- AP-IP300 IP Phone
- AP-IP200 IP Phone
- AP-IP100 IP Phone (2006, Q4 new)
- Window based Smart Messenger
- Future Plan : AP-WP100 WiFi IP Phone

AP-VP150 Video Phone (New)

IPNext 700 Next Generation IP-PBX



- **4.3 Inch LCD Display**
- **External Video Interface**
  - Composite (RCA) Video Out, S-Video Out
- **External Audio In/Out**
- **High-performance Video Codec Support**
  - H.263, MPEG-4, JPEG, and H.264
- **Powerful Image Resolution Support**
  - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- **Up to 30fps at 1Mbps with VGA-Resolution(MPEG-4)**
- **Video Conference Call Support (AddPac MCU Inter-working)**
- **SIP, H.323 Signaling Support**
- **Rate Control for Video Traffic QoS**
  - Ensuring Optimized Quality
  - Frame Rate with Limited Bandwidth
- **High-end Error Resilient Against Various Packet Error**

AP-IP100 IP Phone (New)

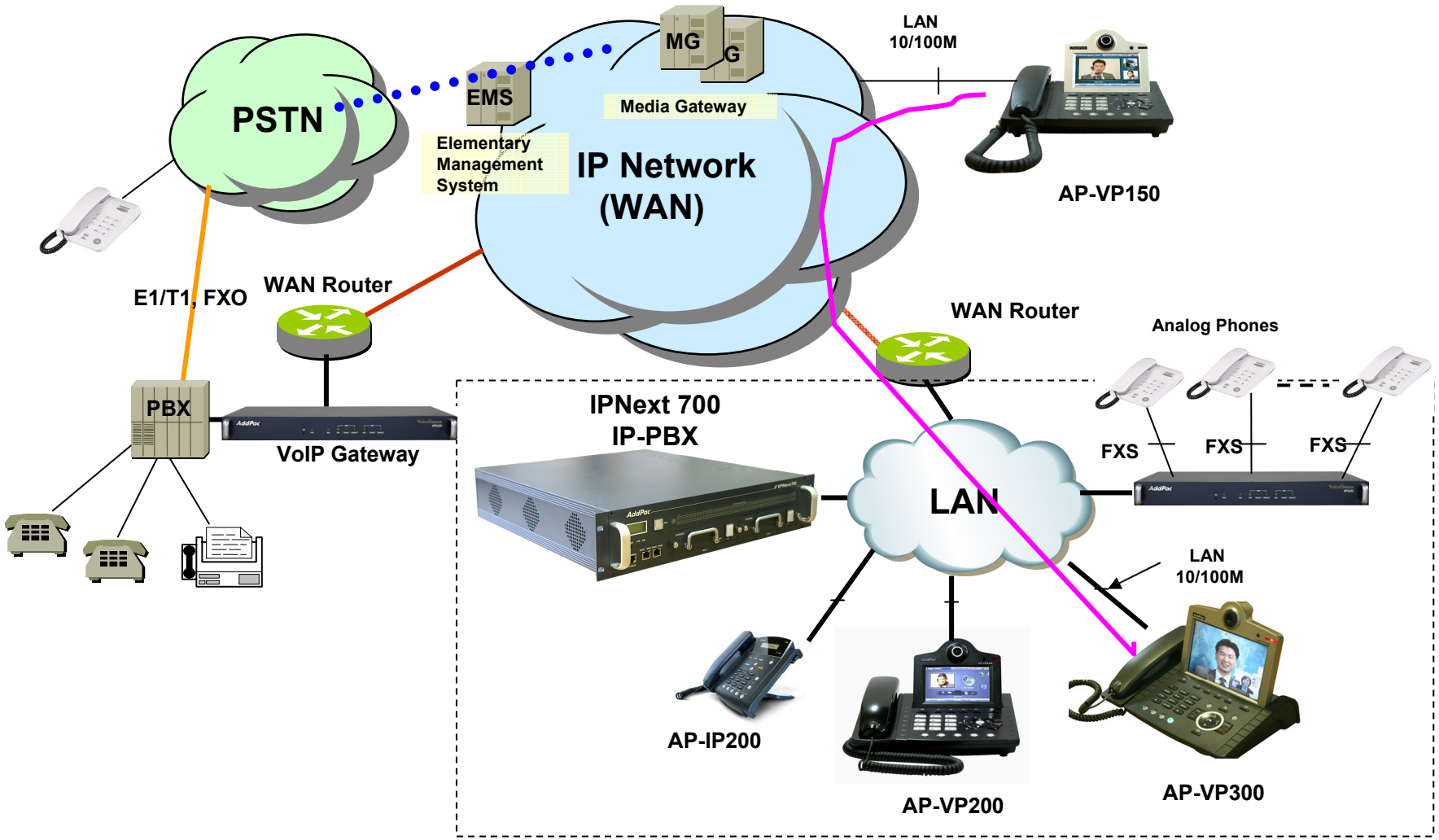
IPNext 700 Next Generation IP-PBX

- **LCD Window : 66.54mm x 33.26mm(Active Area) Graphic LCD**
- **External I/O Interface**
  - Audio In/Out
  - Two(2) Fast Ethernet Interface
  - PSTN FXO Interface (optional, AP-IP100E Model)
  - FXS Interface (optional, AP-IP100B Model)
- **Various Voice Codec Support**
  - **G.711, G.726, G.729, G.723.1, etc**
- **SIP, H.323 Signaling Support**
- **Traffic Control, IP Share**
- **IP Audio Broadcasting Support**



Standard IP-PBX Application

IPNext 700 Next Generation IP-PBX



Ordering Information

- **IPNext 700 Next Generation IP-PBX Hardware**
  - IPNext 700 IP-PBX Main Body
  - High-performance 64bit RISC CPU
  - 2-ports Gigabit Ethernet and 1-port RS-232C Console
  - Including Network Cable Set & Ext. Power Supply, etc.
  - RAID 1 Dual Hard Disk (3.5 Inch IDE 160 Giga, Extendable)
  - Dual Power Supply Module
- **Built-in APOS Internetworking Software for IPNext 700**
- **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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