AP-MC5000
Video MCU

High-performance Multipoint Video Mixing Solution

AddPac Technology

Sales and Marketing

www.addpac.com

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Product Overview

AP-MC5000 Video MCU

- IP based Multipoint Audio/Video Mixing Solution
- Support Various Conference System Model
- Scalability and Flexibility
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Product Highlights

AP-MC5000 Video MCU

IP based Multipoint Audio/Video Mixing Solution

Multi-User/Multi-Session Video Conference Support

Various Conference System Model (Dial-out, Add-Hoc, Meet-me)

G.722,G.711/G.726/G.729/G.723.1 , etc, Audio Codec

Smart Multimedia Management Software Support

Call Manager Function Included

External MCU Mode Support (AddPac IPNext IP-PBX)

APOS™Technology
Multimedia Network Protocol

SIP, H.323 based VoIP Signaling

IP based Network Protocol & Video/Voice Traffic QoS

Broadband IP Networking With Dual 10/100/1000Mbps Gigabit Ethernet

High-end Video Codec H.263, MPEG-4,H.264

Hardware Specification

AP-MC5000 Video MCU

- **High Performance Computing Power**
- **Programmable Hardware Architecture**
- **Main Chassis**
  - **Network Interface**
    - Two(2) 10/100/1000Mbps Gigabit Ethernet
    - One(1) RS-232C Console (RJ45)

Power ON/OFF Switch

Hardware Specification

AP-MC5000 Video MCU

Gigabit Ethernet Interface LAN0

Gigabit Ethernet Interface LAN0

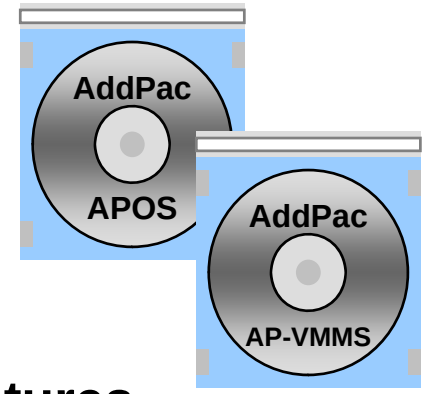
RS232C Console Interface

Dual Power Supply

Software Service

AP-MC5000 Video MCU

- **Built-in AddPac APOS Internetworking Software**
  - Scalability, Functionality, and Stability Features
  - Video Traffic QoS Control
- **Programmable Video, Audio, and Voice Services**
  - Video Codes, Audio, and Voice Codec
- **Firmware Upgradeable Architecture**
- **Function Support**
- **Industry Standard IP based Network Protocol Features**
- **SMM (Smart Multimedia Manager) Solution**
  - Server and Client Architecture
  - Intel Pentium Machine with MS Window Server OS and MS-SQL



Video Service and Features

AP-MC5000 Video MCU

- **High-performance Video Codec Support**
  - H.263, MPEG-4,H.264
- **Powerful Image Resolution Support**
  - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480), HD(1280x720), Full HD (1920x1080), etc
- **Up to 30fps at with Full HD-Resolution(H.264)**
- **256Kbps to 15Mbps Operating Video Traffic Bandwidth**
- **Rate Control for Video Traffic QoS**
  - Ensuring Optimized Quality
  - Frame Rate with Limited Bandwidth
- **High-end Error Resilient Against Various Packet Error**

Audio & Voice Service and Features

AP-MC5000 Video MCU

- **VoIP based Signaling Protocol Support**
  - SIP, H.323* based Signaling Protocol Stack
- **High-performance Audio & Voice Codec Support**
  - G.729.1, G.723.1, G.726, G.711, G.722 Audio Codec
- **Enhanced QoS Management Features for Voice Traffics**

Network Service and Features (cont..)

AP-MC5000 Video MCU

- **Network Managements**
  - SNMPv2/SNMPv3 Support
  - Standard & Enterprise SNMP MIB Support
  - Web Based Management using HTTP/HTTPS
  - Console / Telnet / Rlogin / SSH Interface
- **Security Functions**
  - Standard & Extended IP Access List
  - HTTPS / SSH Interface
  - Auto-disconnect Telnet/Console Session
  - Access Control for Local Service (FTP/Telnet/HTTP.)
  - Enable/Disable Network Services
  - Multi-Level User Account Management

Network Service and Features

AP-MC5000 Video MCU

- **Operation & Managements**
  - Configuration Backup & Restore for APOS Managements
  - Use Multiple APOS™ and Configuration
  - Auto Upgrade via HTTP/HTTPS
  - Debugging, System Auditing, and Diagnostics Support
  - FTP/TFTP/Telnet/SSH Server and Client
  - HTTP Server
  - RADIUS Authentication / Account
- **Other Scalability Features**
  - Network time Protocol(NTP) Support
  - Cisco Style Command Line Interface (CLI)
  - DHCP Server & Relay Functions
  - DNS Server

Conference Service and Features (cont..)

AP-MC5000 Video MCU

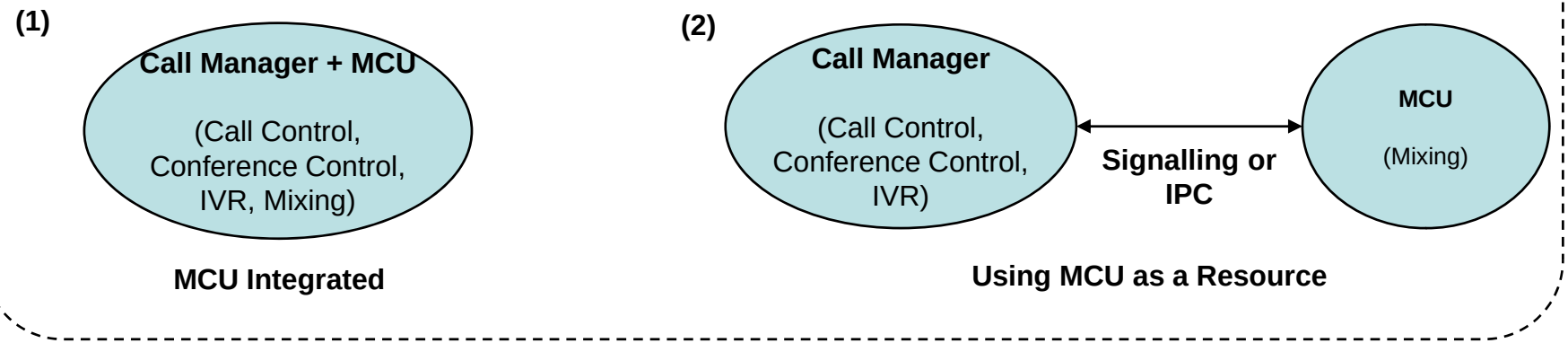
- Type of Conference
  - Meet-Me (Dial-In) Conference
    - Require that a *range of directory numbers* be allocated for exclusive use of the conference
  - Ad Hoc (On-Demand) Conference
    - using Conference and Join soft key
  - Scheduled Conference
    - Through compatible third-party scheduling applications
- View Mode Configuration

Conference Service and Features (cont..)

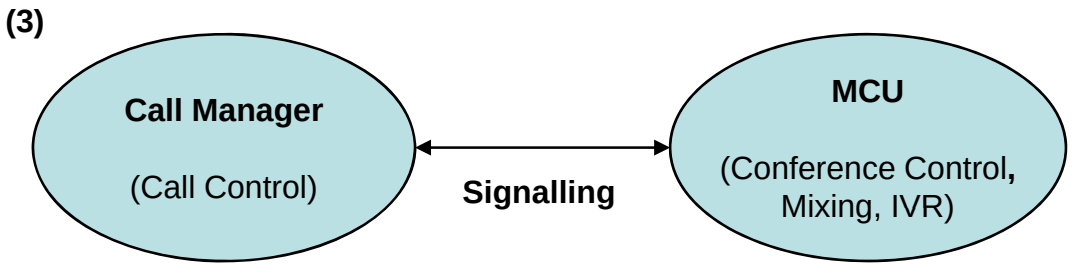
AP-MC5000 Video MCU

Conference System Model

- Call Manager controlled conference

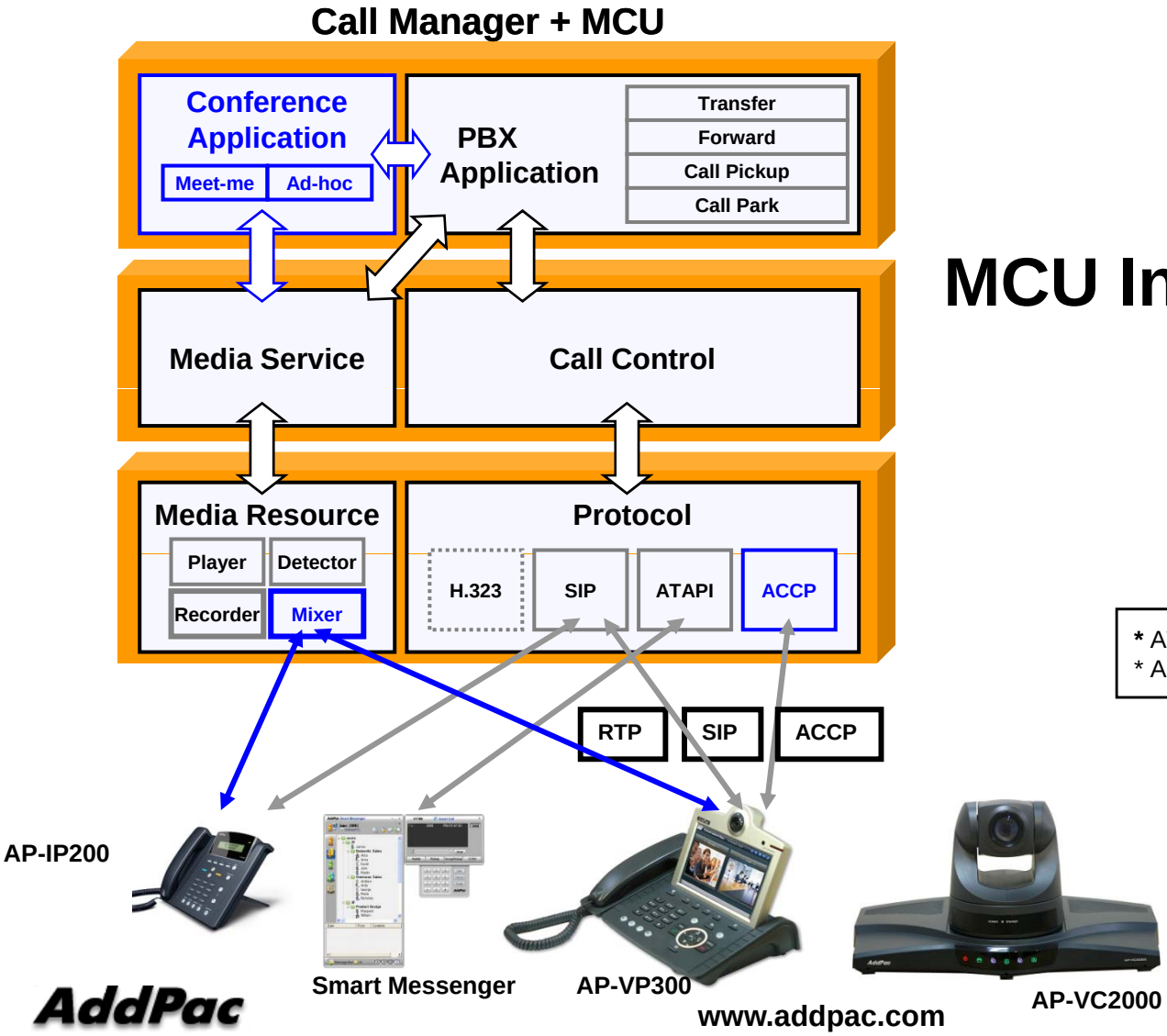


- Interoperate with Stand-alone MCU



Conference Service and Features (cont..)

AP-MC5000 Video MCU

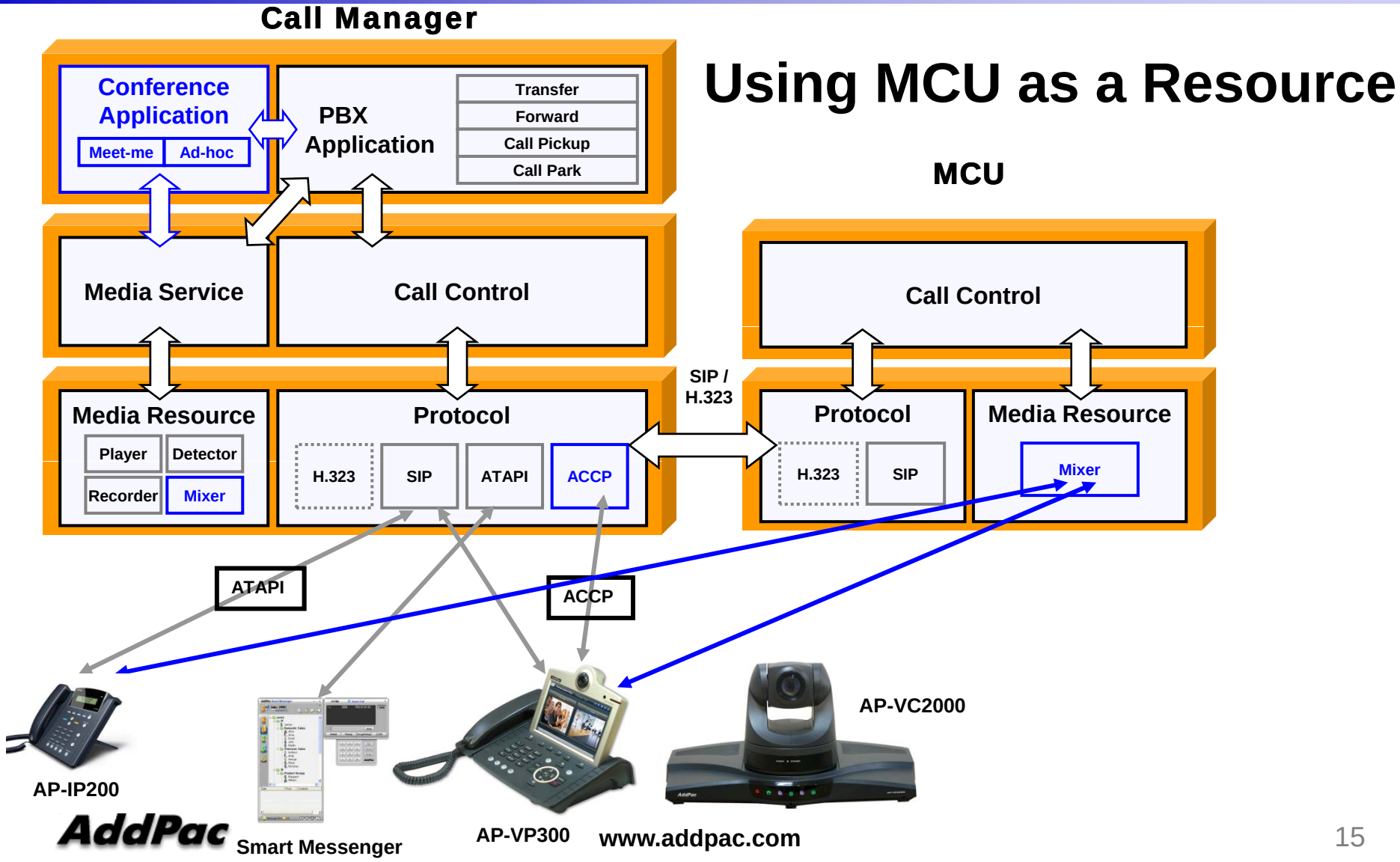


MCU Integrated Model

***** ATAPI - AddPac Telephony API
* ACCP - AddPac Client Control Protocol

Conference Service and Features (cont..)

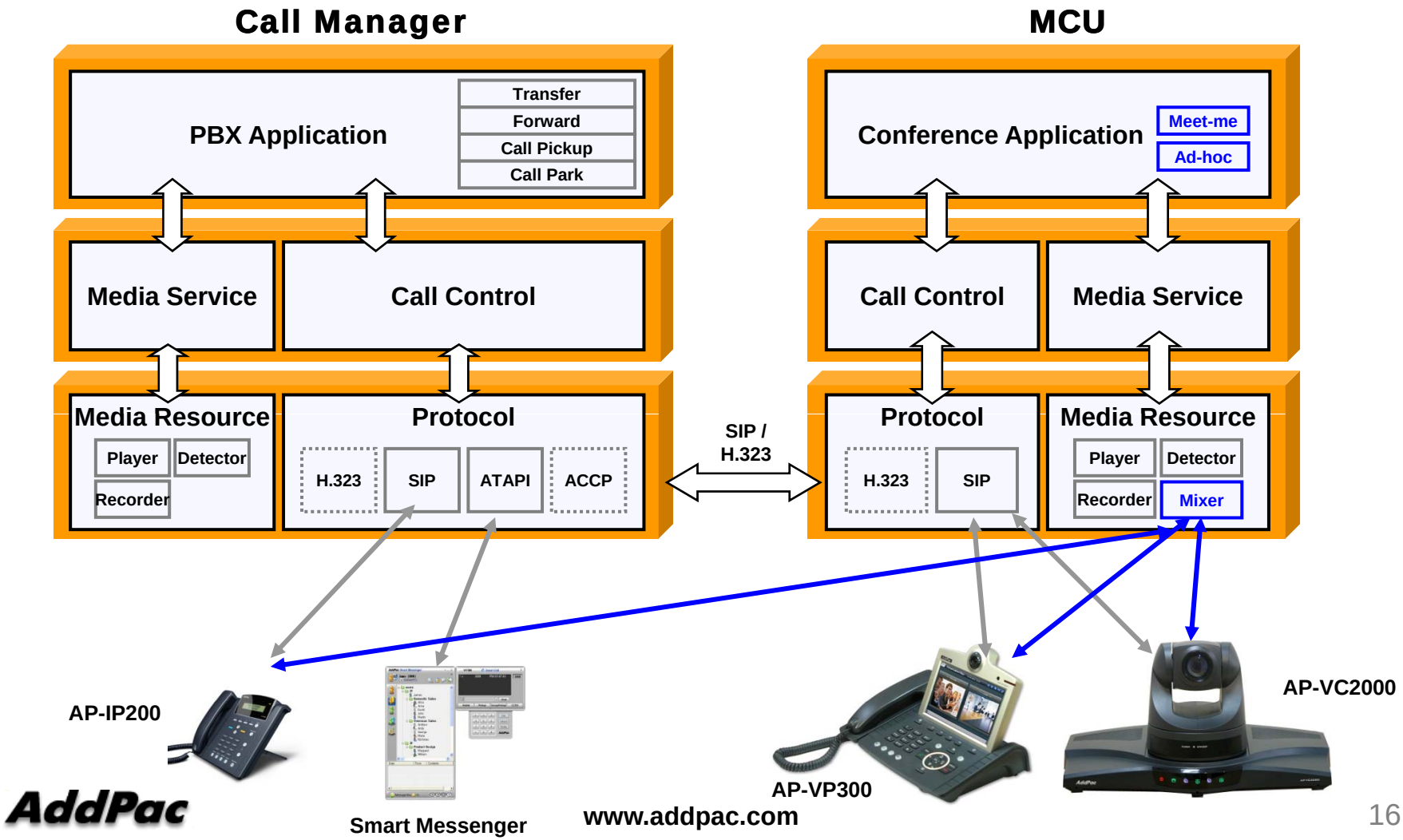
AP-MC5000 Video MCU



Conference Service and Features

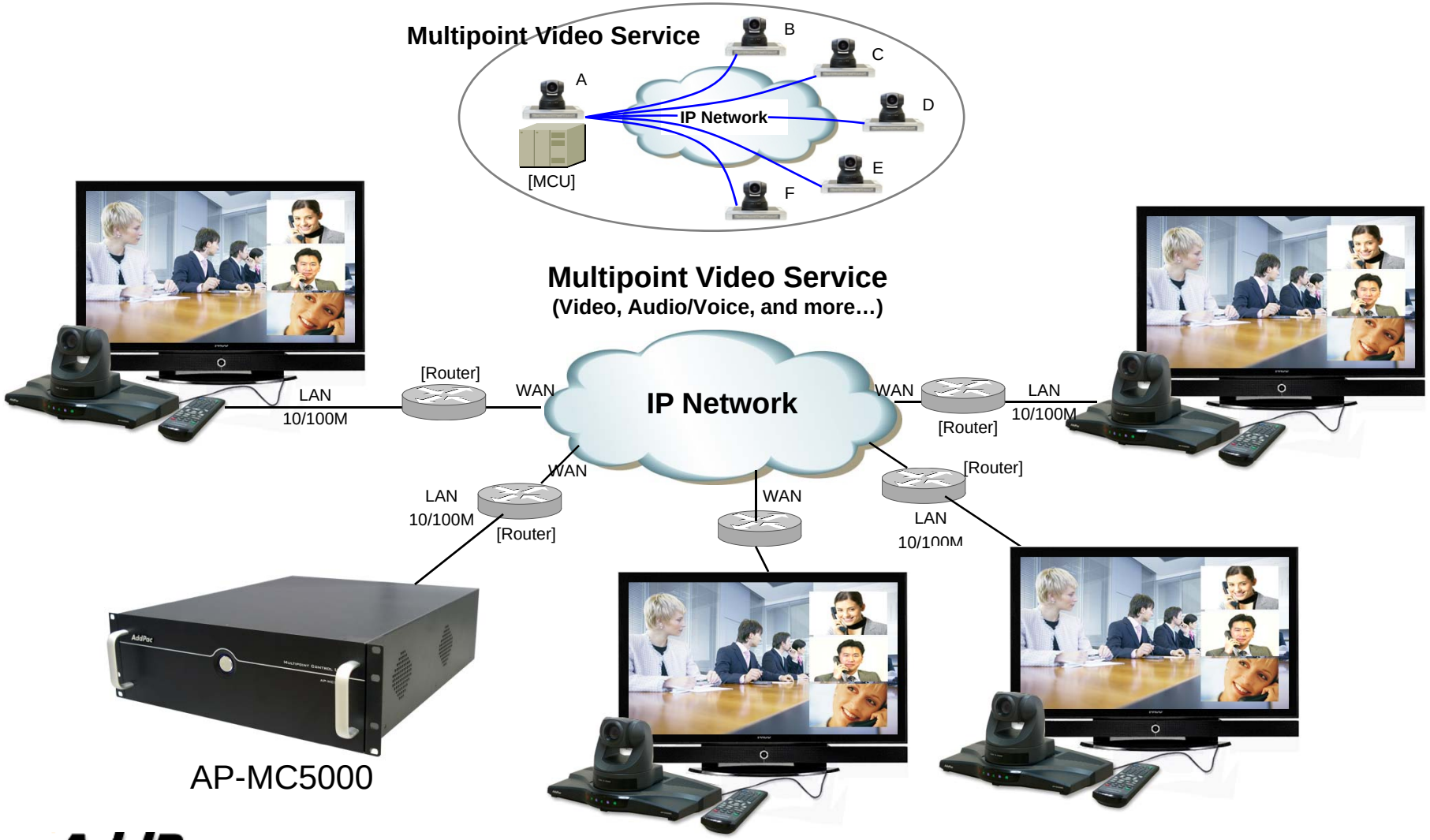
AP-MC5000 Video MCU

Stand-alone MCU Model



AP-MC5000 Video MCU

Network Diagram for Video Conference



Ordering Information

- **AP-MC5000 Video MCU Hardware**
  - AP-MC5000 Video MCU Main Body
  - 2-port 10/100/1000Mbps Gigabit Ethernet and 1-port RS-232C Console(RJ45)
  - Including Network Cable Set
- **Built-in APOS Internetworking Software for AP-MC5000**
- **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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