



AP-MC5000

Video MCU

High-performance Multipoint Video Mixing Solution



AddPac

AddPac Technology

2014, Sales and Marketing

www.addpac.com

Contents

- Product Overview
- Hardware Specification
- Software Service
- Video Service and Features
- Audio Service and Features
- Network Service and Features
- Conference Service and Features
- Application Area
- Ordering Information



Product Overview

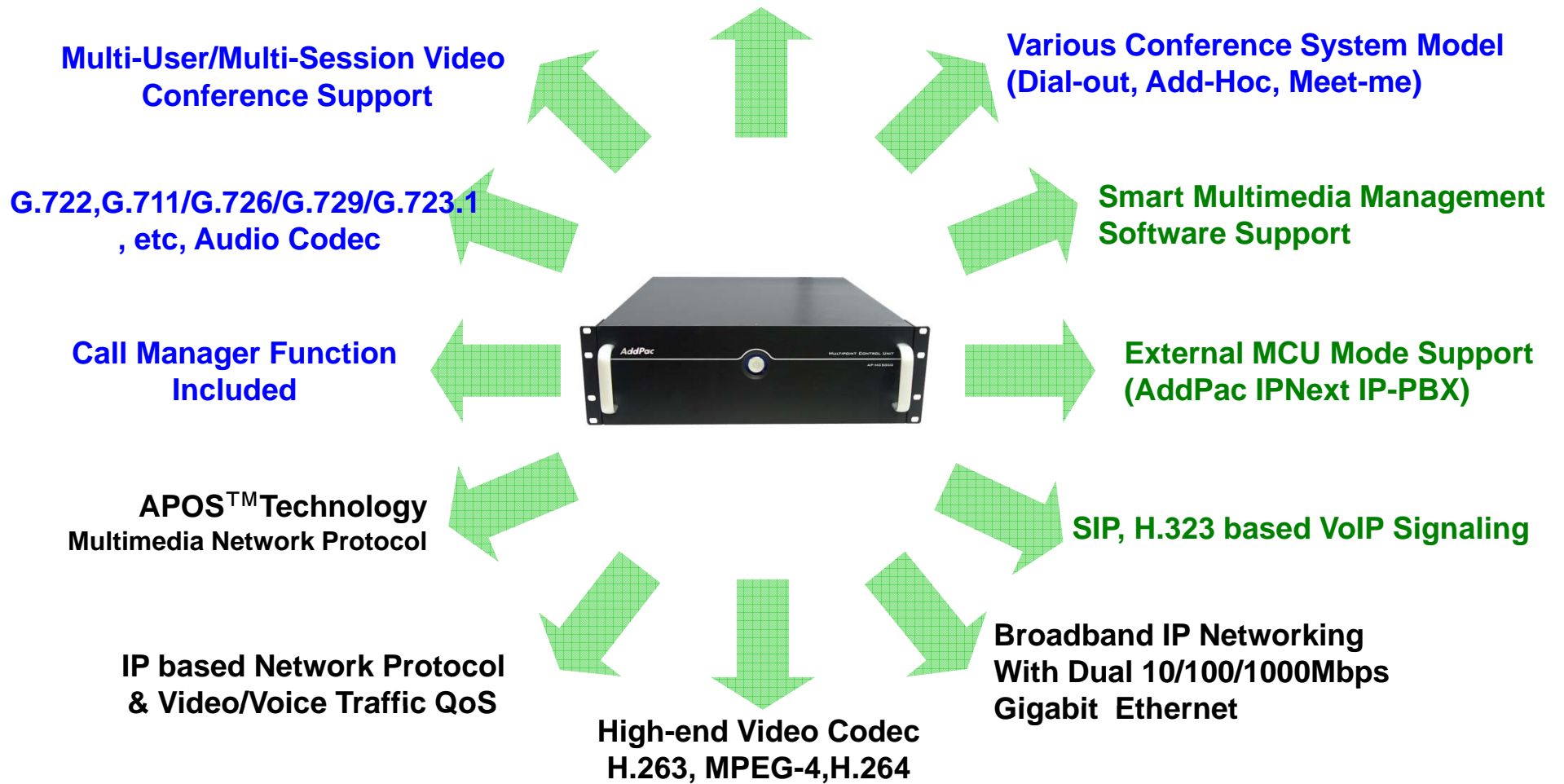
AP-MC5000 Video MCU

- 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



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Hardware Specification

AP-MC5000 Video MCU

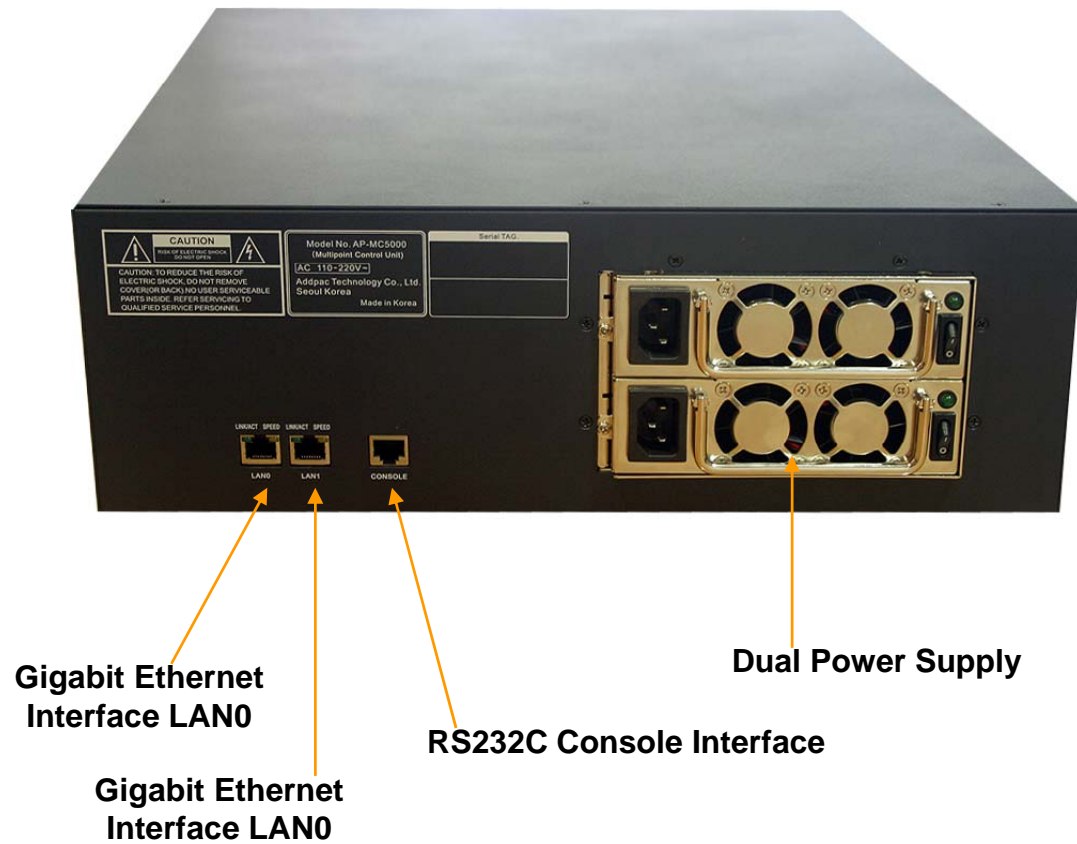
- **High Performance Computing Power**
- **Programmable Hardware Architecture**
- **Main Chassis**
 - **Network Interface**
 - Two(2) 10/100/1000Mbps Gigabit Ethernet
 - One(1) RS-232C Console (RJ45)



Power ON/OFF Switch

Hardware Specification

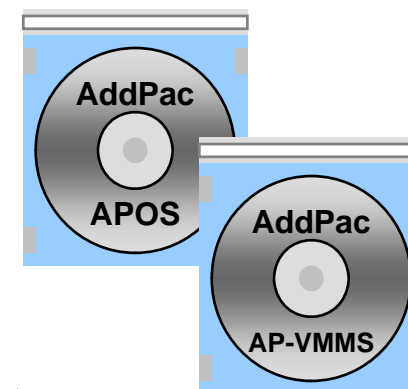
AP-MC5000 Video MCU



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

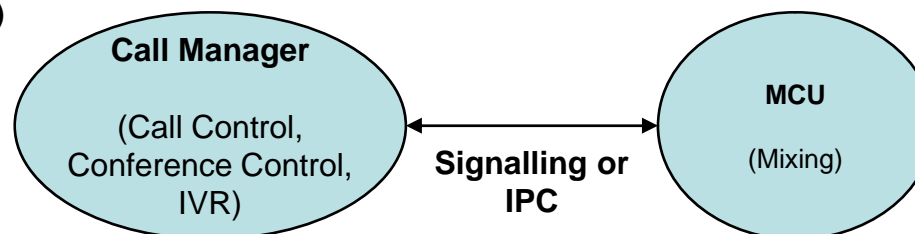
Call Manager controlled conference

(1)



MCU Integrated

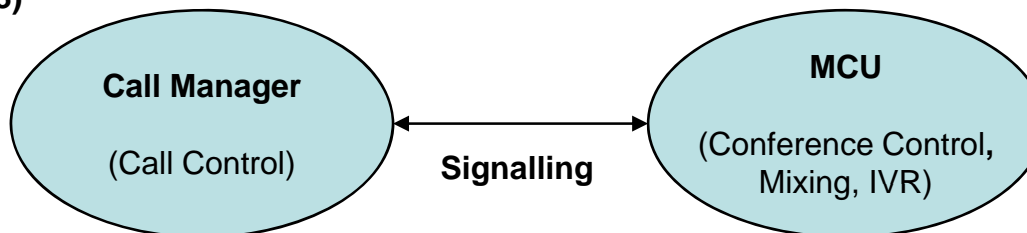
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Using MCU as a Resource

Interoperate with Stand-alone MCU

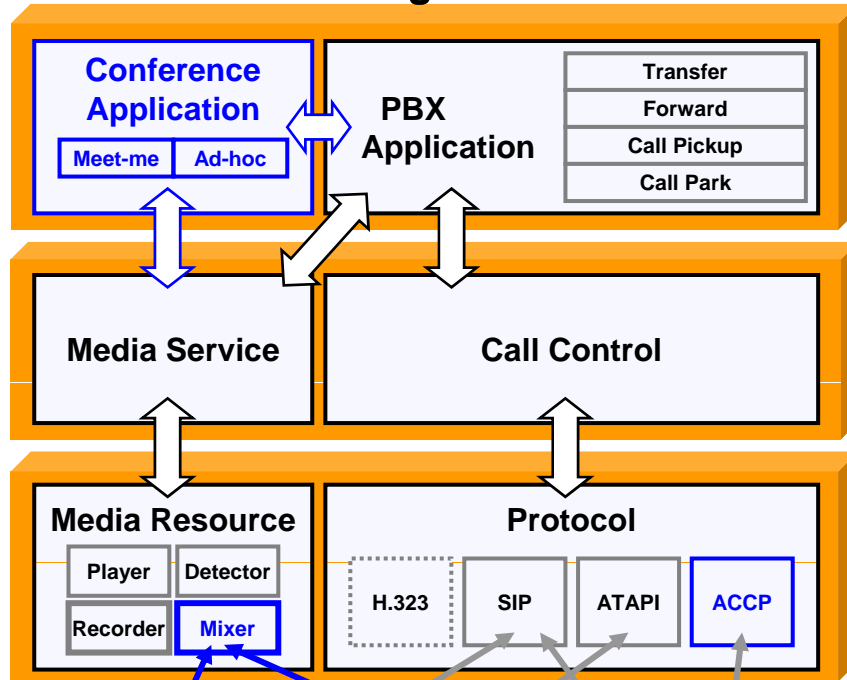
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Conference Service and Features (cont..)

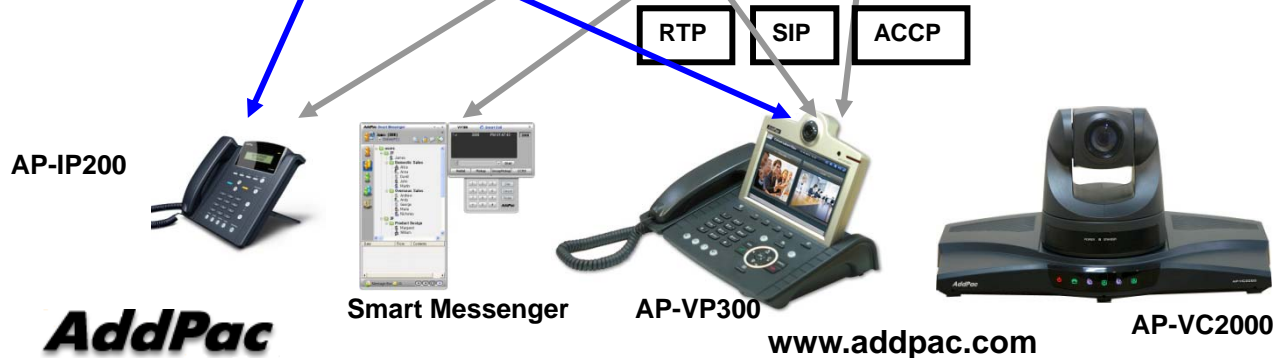
AP-MC5000 Video MCU

Call Manager + MCU



MCU Integrated Model

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



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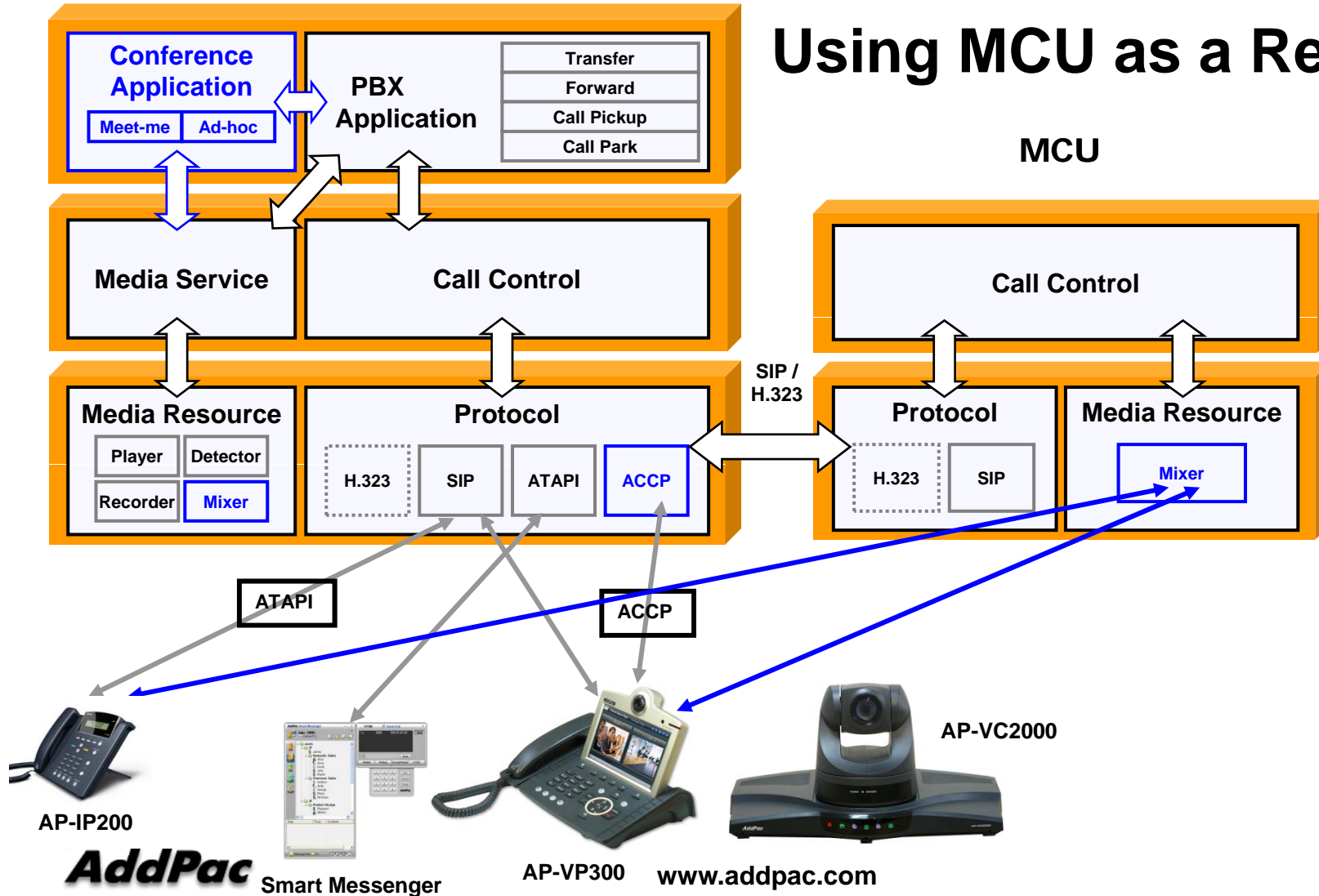
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Conference Service and Features (cont..)

AP-MC5000 Video MCU

Call Manager

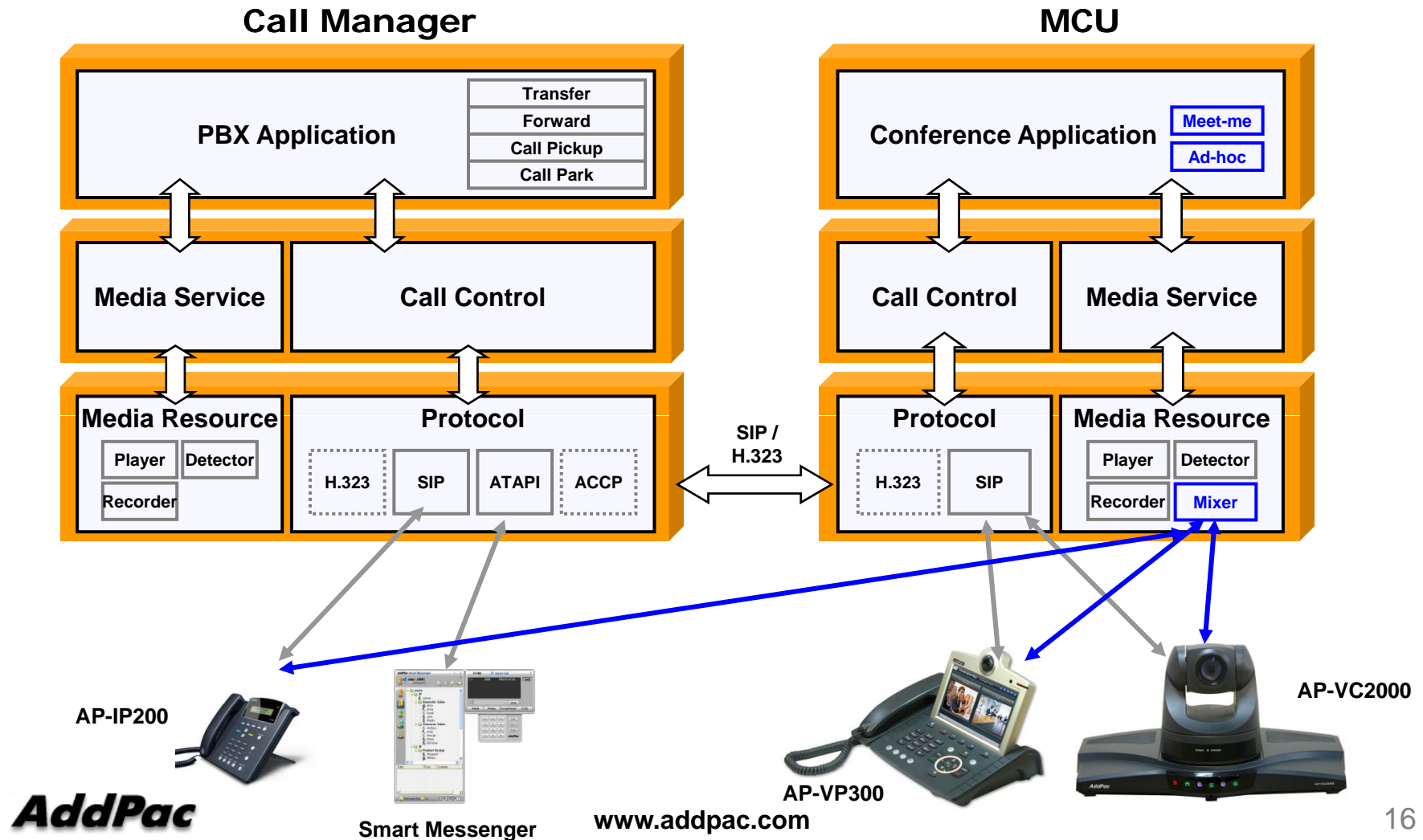
Using MCU as a Resource



Conference Service and Features

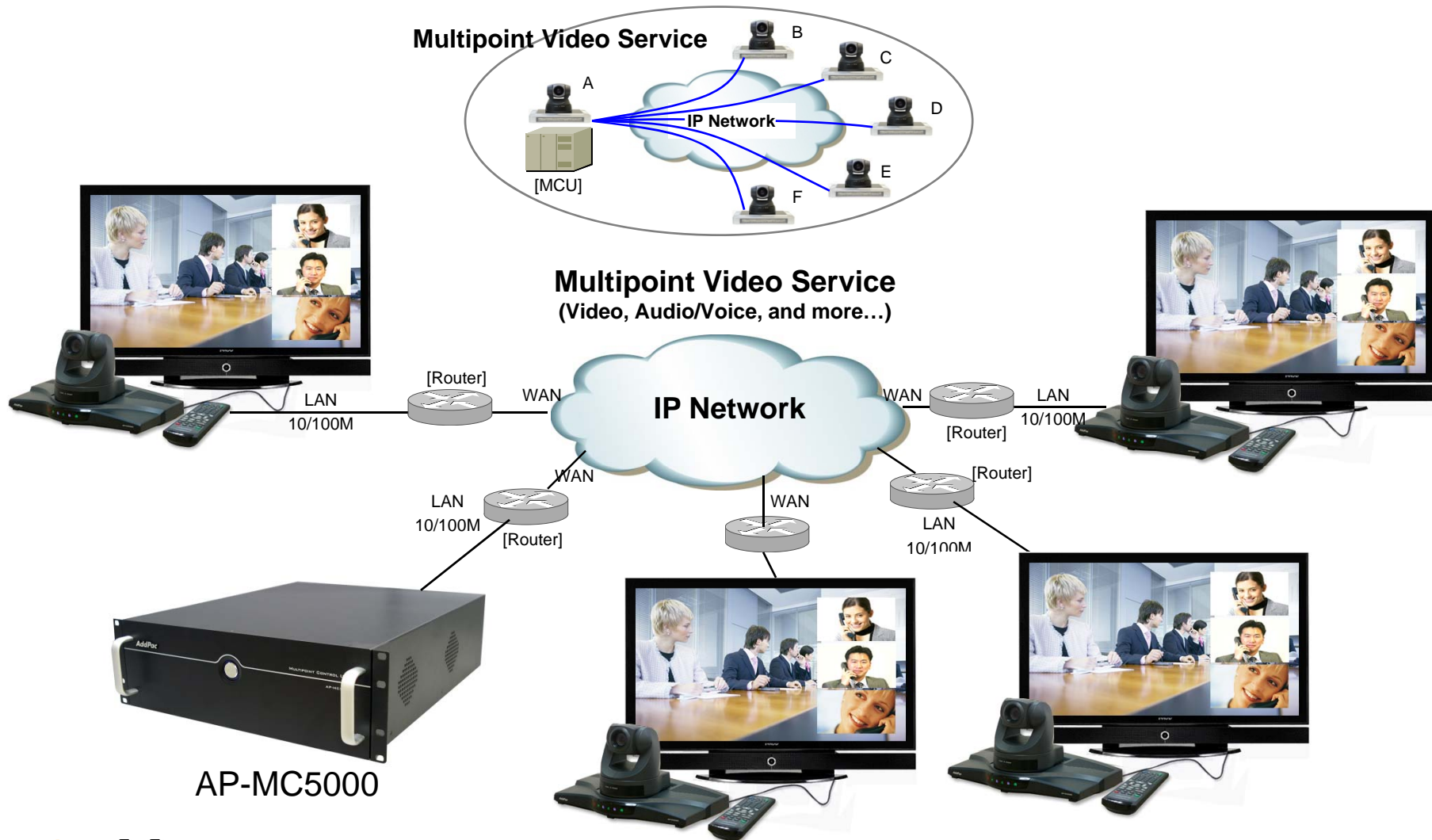
AP-MC5000 Video MCU

Stand-alone MCU Model



AP-MC5000 Video MCU

Network Diagram for Video Conference



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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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