



# AP-MC5500

## IP Video MCU

High-performance Multipoint Video Mixing Solution



**AddPac**

**AddPac Technology**

Sales and Marketing

[www.addpac.com](http://www.addpac.com)

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# Product Overview

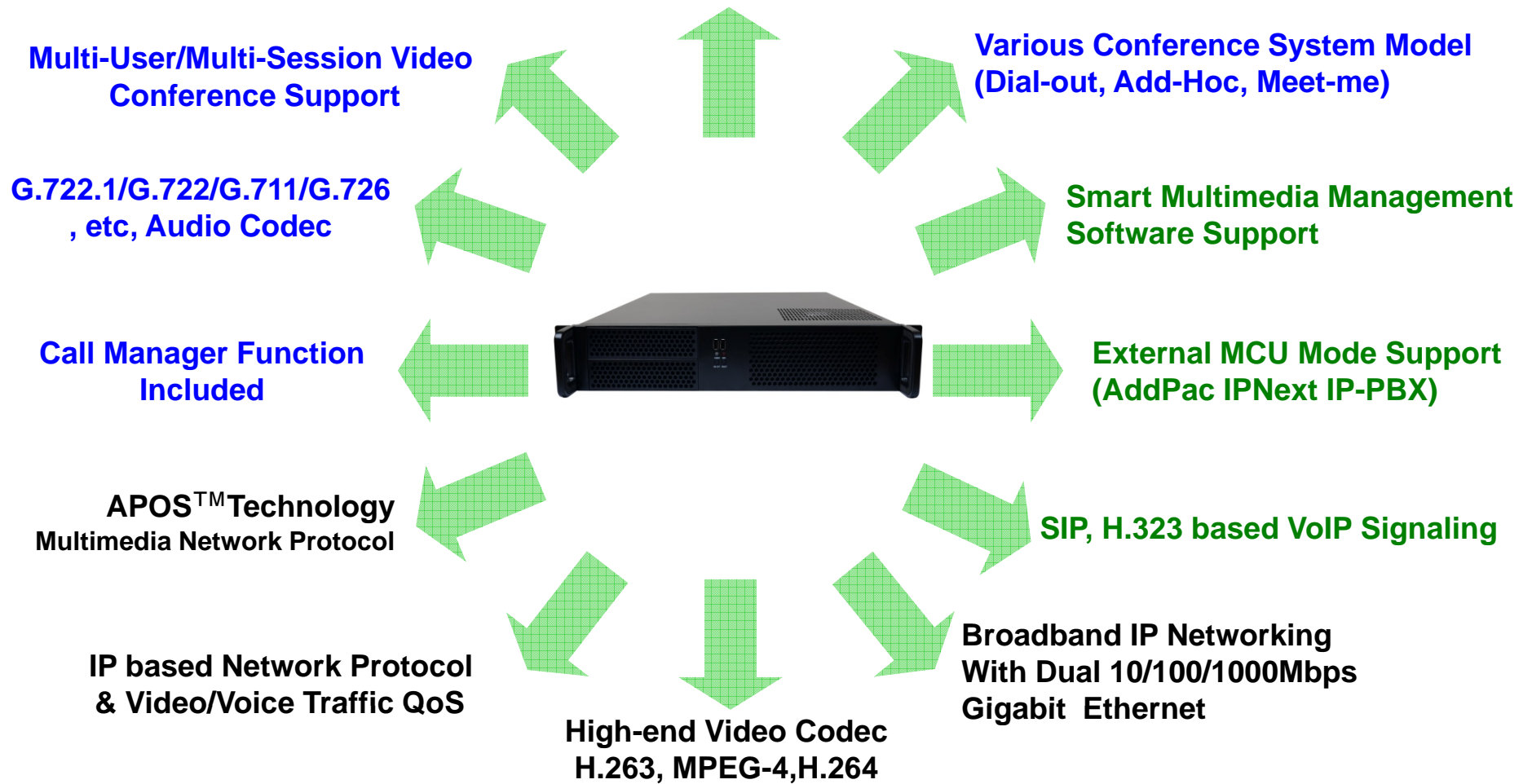
## AP-MC5500 Video MCU

- IP based Multipoint Audio/Video Mixing Solution
- Support Various Conference System Model (**Dial-out, Add-Hoc, Meet-me**)
- Scalability and Flexibility
- Large-Scale 64 Party IP Video MCU
- Multi-User/Multi-Session Video Conference Support
- Call Manager Function Included (Option : External Call Manager Support)
- Support Various Video Codec (H.264, H.263, MPEG4, etc)
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

# Product Highlights

AP-MC5500 Video MCU

## IP based Multipoint Audio/Video Mixing Solution



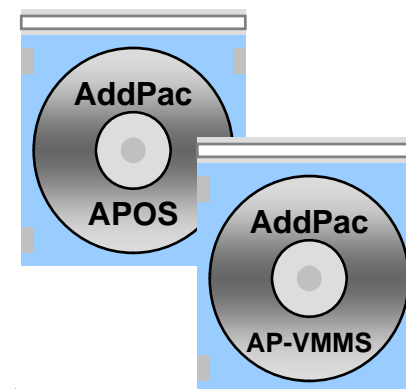
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# Software Service

AP-MC5500 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-MC5500 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 10Mbps 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-MC5500 Video MCU

- VoIP based Signaling Protocol Support
  - SIP, H.323\* based Signaling Protocol Stack
- High-performance Audio & Voice Codec Support
  - G.726, G.711, G.722, G.722,1, etc, Audio Codec
- Enhanced QoS Management Features for Voice Traffics

# Network Service and Features (cont..)

AP-MC5500 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-MC5500 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-MC5500 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-MC5500 Video MCU

## Conference System Model

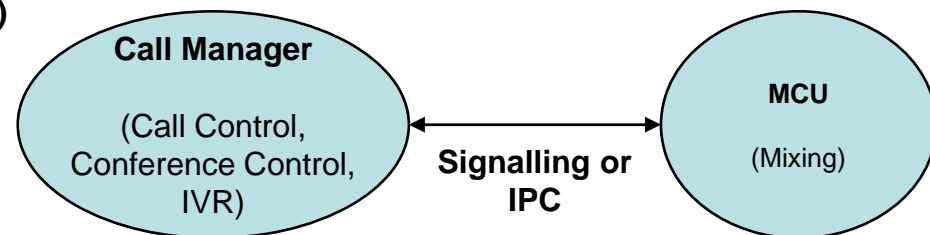
### Call Manager controlled conference

(1)



MCU Integrated

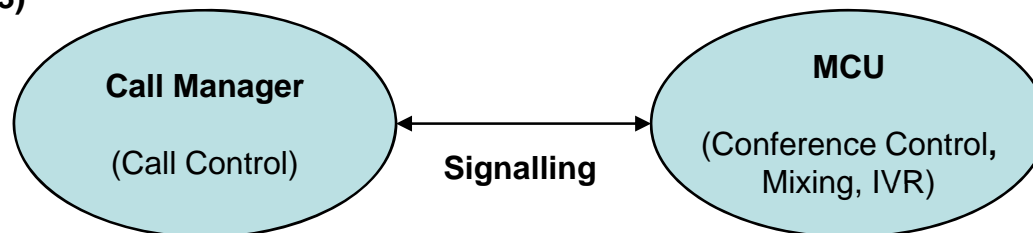
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Using MCU as a Resource

### Interoperate with Stand-alone MCU

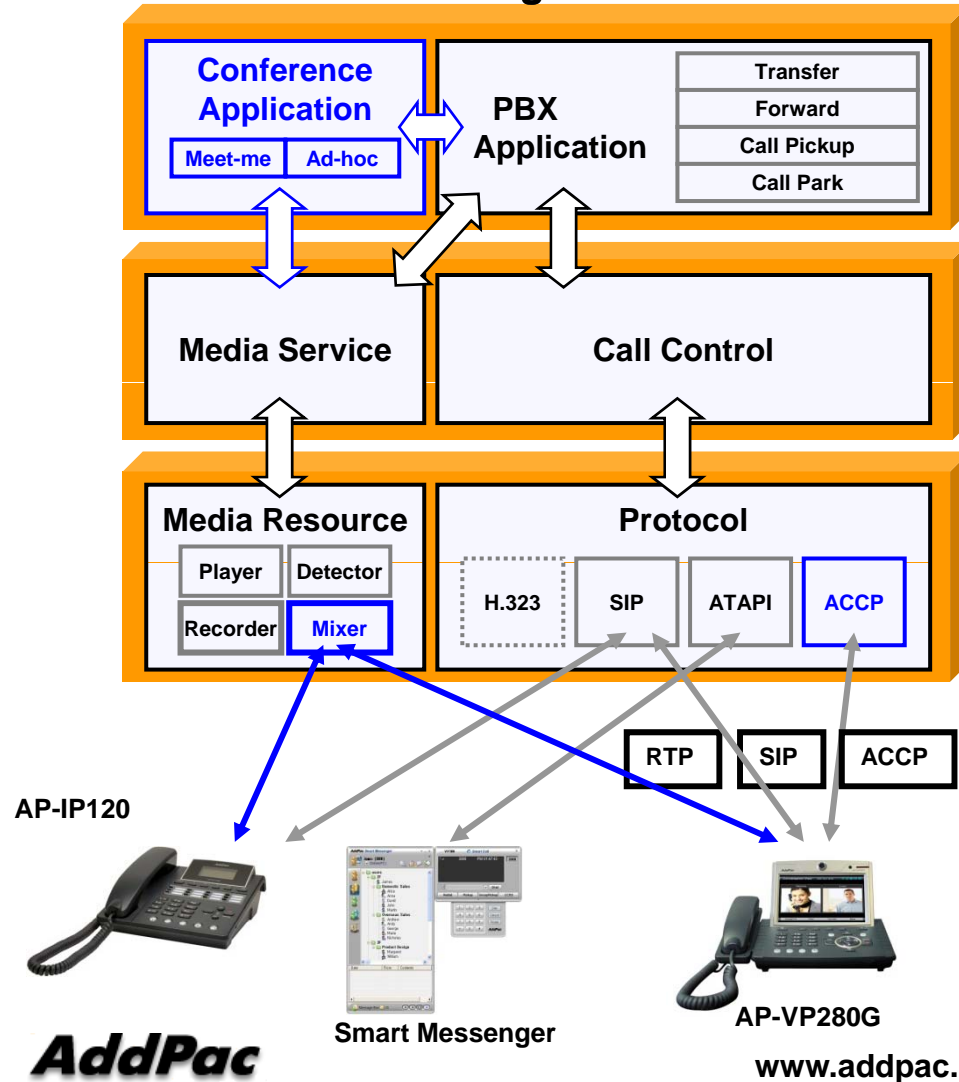
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# Conference Service and Features (cont..)

AP-MC5500 Video MCU

## Call Manager + MCU



## MCU Integrated Model

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

**AddPac**

Smart Messenger

AP-VP280G  
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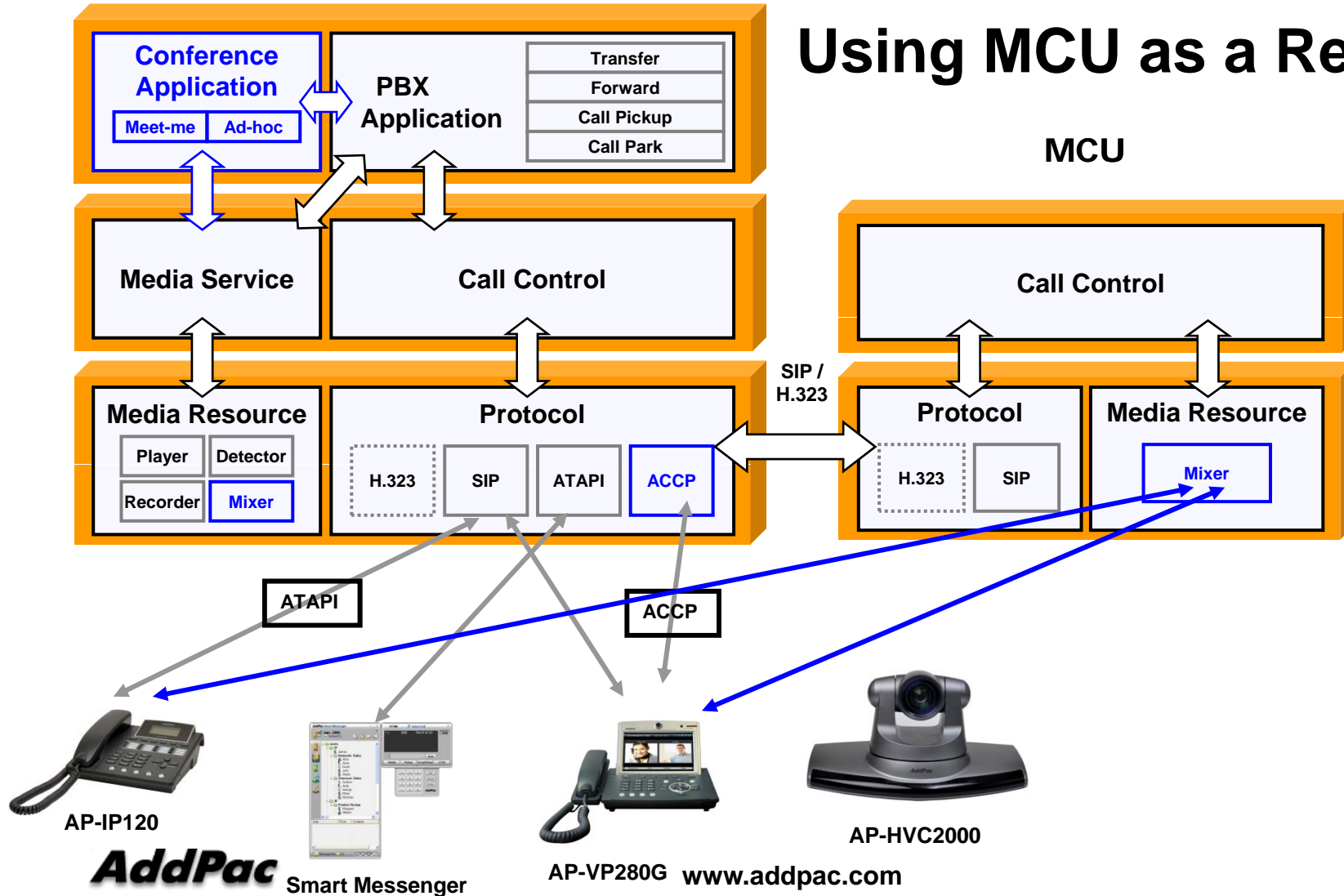
AP-HVC2000

# Conference Service and Features (cont..)

AP-MC5500 Video MCU

## Call Manager

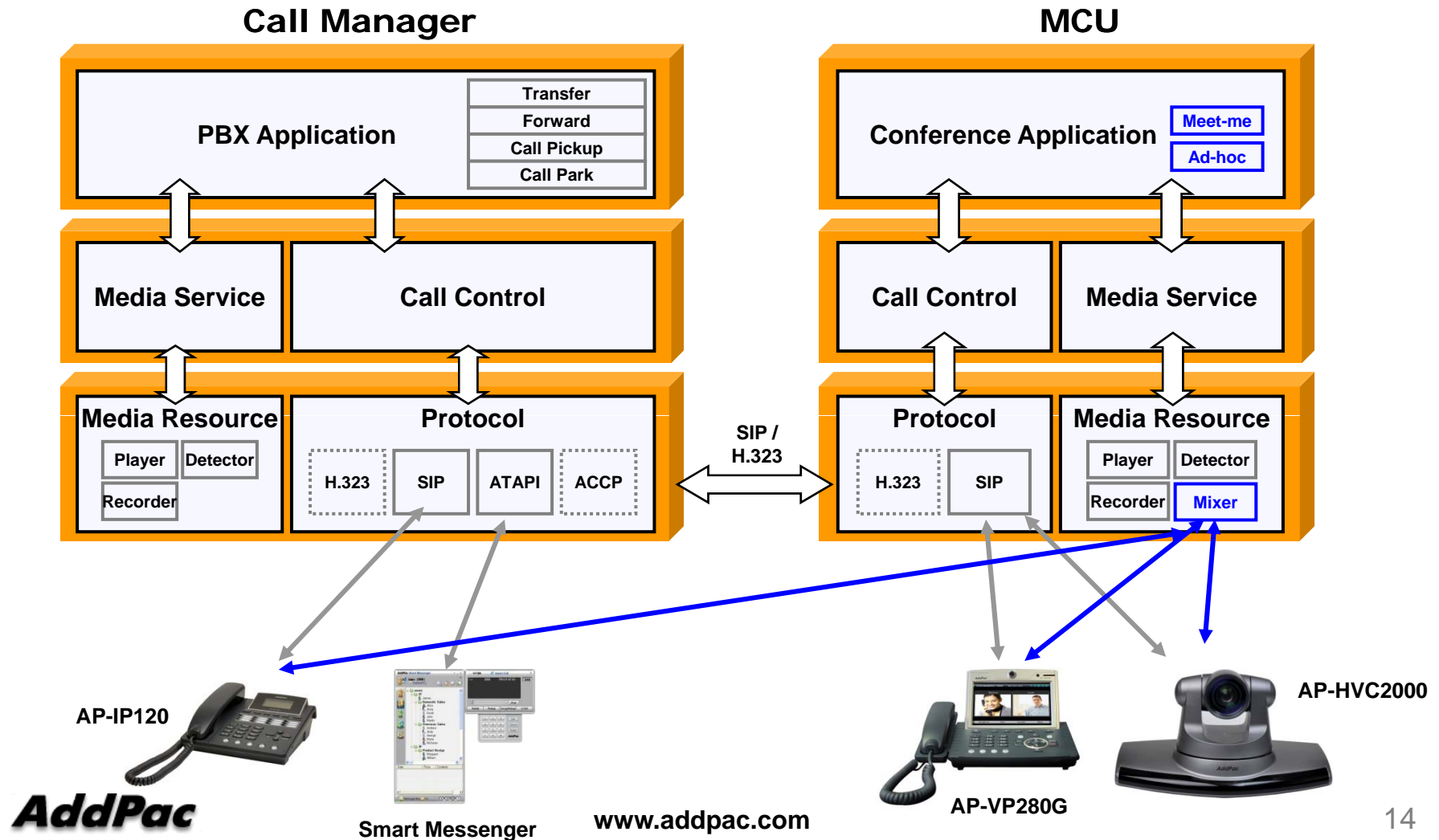
## Using MCU as a Resource



# Conference Service and Features

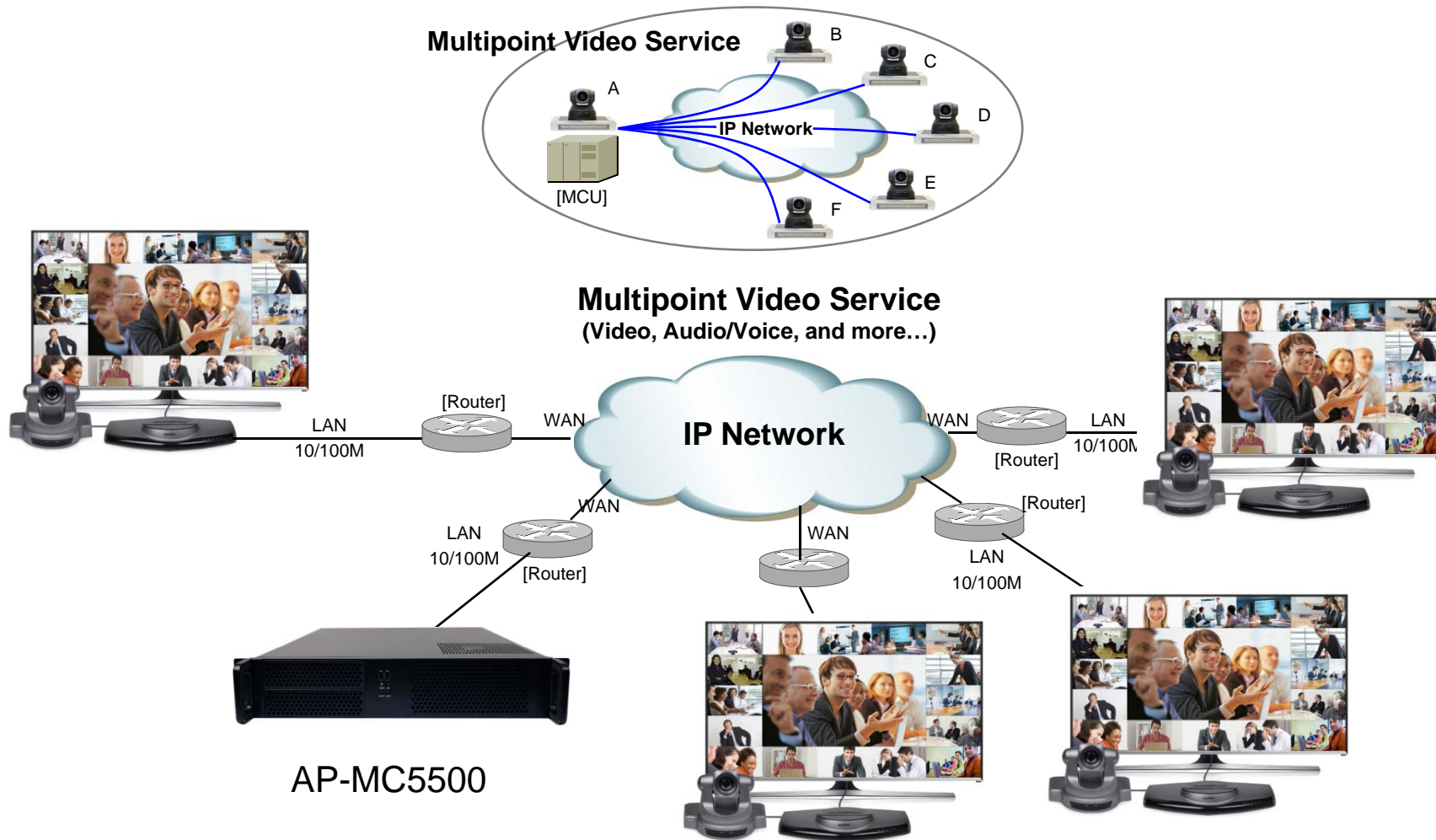
AP-MC5500 Video MCU

## Stand-alone MCU Model



# AP-MC5500 IP Video MCU

## Network Diagram for Video Conference



# Ordering Information

- **AP-MC5500 Video MCU Hardware**
  - AP-MC5500 Video MCU Main Body
  - 10/100/1000Mbps Gigabit Ethernet
  - Including Network Cable Set
- **Built-in APOS Internetworking Software for AP-MC5500**
- **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](http://www.addpac.com)





# Thank you!

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