



## AP-UMS1000 Network Unified Messaging System

AP-UMS1000 of AddPac Technology is a network based UMS (unified messaging system) based on the advanced next-generation all IP networks. This product together with IP-PBX, IP end-point terminals (VoIP gateways, IP video phones, IP phones, etc) can be used for network based unified messaging service like as IP phone voice mailing service, video mailing service for video phone, E-mail notification, etc. Under Next Generation IP Telephony Network Environment, AP-UMS1000 network unified messaging system is applicable to government offices, medium-to-large enterprise, public enterprise, military, local government that want to dedicated powerful messaging service more than basic IP-PBX internal messaging service. AP-UMS1000 is configured with 2-port 10/100/1000 Mbps Gigabit interfaces, two (2) IDE-type 3.5-inch HDD module slots, and enables RAID1 configuration.

The demand for embedded IP Network Unified Messaging System that supports reliability and high quality multimedia mailing service has been increasing as VoIP (Voice over IP), MoIP (Multimedia over IP), SoIP (Service over IP), and IP telephony service are getting popular in IP-PSTN inter-network structure as well as all IP networking structure. AddPac Technology's IP based Unified Messaging Solution is designed for providing multimedia mailing service such as Voice/Video Mail Recording/Retrieving service, E-mail Notification, IP terminal mailbox browsing, web mailbox browsing service based on All IP Next Generation Network. Also this media service solution is designed to provide enhanced IP telephony functionality to meet the wide range of business user requirement. This solution consists of three parts, IP-PBX, IP Unified Messaging System (AP-UMS1000), IP end-point terminals. AddPac VoIP Gateways, Video Phones, IP Phones are an IP end-point terminal for Media Service.

AP-UMS1000 unified messaging server together with AddPac Technology's IP Telephony Solution can be used for network based unified messaging service like as IP phone voice mailing service, video mailing service for IP video phone, E-mail notification, and web based Mailbox browsing service, etc. Basically, this system supports SIP VoIP signaling and IVR scenario managing tool for voice/video message recording/retrieval. Using VXML based IVR scenario editor software (AddPac Technology provided), user can make new IVR scenario and edit the pre-existed IVR scenario for new service addition, service modification, etc. AP-UMS1000 supports memory (HDD, etc) Quota functions for each user's voice/video mailbox, etc and e-mail notification function via internet. On business travel, user can monitor IP phone or video phone's leaving message in office via internet e-mail check and using MS window media player software. Also, user can play voice/video message under various environments such as PSTN phone via VoIP gateway, E-mail, Web, Smart Messenger (AddPac) in addition to IP terminals (IP phone, IP video phone).

## Product Highlights

- Embedded system based on high performance RISC CPU
- Supports two(2) Gigabit Ethernet Interfaces
- Supports 3.5 inch IDE Hard Disk (RAID1 Configuration)
- Two(2) IDE-type Hard Disk Interface Slots
- Optional DSP Module for Multi-Voice Codec (G.711, G.726, G.729, G.723.1, etc)  
- Up to 64 Voice Channel
- LCD Panel and Blue Lamp for device status monitoring
- Supports the USB 2.0 Host Mode interface
- Inter-working with AddPac IP Telephony solution (IP-PBX, IP/Video Phones, VoIP gateway)
- Supports SIP VoIP Signaling
- Smart Multimedia Manager Program (MS-Window )  
- Session Monitoring  
- UMS System Monitoring  
- Mail Box Management
- Supports G.711 RTP Stream
- Quota management for User Mailbox
- Leaving Message (IP Phone, IP Video Phone)
- Message Retrieving (IP Phone, IP Video Phone)
- Voice Mail Notification via E-mail  
- Media File Attach (Window Media Player)

## AP-UMS1000 Application

- IP Telephony System Integration
- IP based Call Center System
- Medium and Large Scale Enterprise IP-PBX Solution

## Hardware Specification

- RISC Microprocessor (CPU)
- Memory
  - Boot memory 512Kbyte Flash Memory
  - Flash memory 16Mbyte Flash Memory
  - Main Memory 512Mbyte DDR1 SDRAM
  - HDD(RAID1) 3.5 Inch IDE HDD x 2  
Hot-Swap Module Type
- Ethernet Interface
  - Two(2) x 10/100/1000Mbps Gigabit Ethernet (RJ-45)
- Console Port
  - RS-232C 1-Port Console (RJ-45)
- System Status Display LCD
- DSP Interface (Option)
  - DSP Module for Transcoding
  - Up to 64 Channel
  - Voice Codec : G.711, G.729, etc
- USB Interface
  - USB 2.0 Host Mode Interface

## Power & Operational environment

- Power Internal AC Power Supply
- Power Consumption 5V/10A, 12V/4A
- Operation Temperature 0°C ~ +45°C
- Storage Temperature -40°C ~ +85°C
- Humidity 5% ~ 95%

## Dimensions

- Dimension (H x D x H) : 440x445x80(mm)
- Weight : 9.5Kg

## IVR Service

- IVR Scenario Editor
- IVR Scenario Simulation Function
- IVR Scenario Run-Time Debugging Function

## UMS Service Features

- Voice/Video Mailbox Management
  - Add/Delete Mailbox with Users from Smart Directory Server Edit Mailbox Properties including Quota policy
- Voice/Video Mailbox Message Management
  - View Mailbox Contents of Unread, Read, Saved Messages Play/delete Messages
- Session Management
  - Monitoring Active Session
- System Management
  - Run or Shutdown System
  - Monitoring CPU Performance and Disk Usage
- Fault Management
  - Alarm Notification Function
  - Event Monitoring Function
- Email Notification
  - Media File Attach
  - Window Media Play
- OSD based Voice/Video Message Retrieving
  - MailBox Browsing via IP Phone's OSD
- Web based Voice/Video Message Retrieving
- Supplementary Service
  - Call Back
  - Custom Greeting
  - Message Forwarding
  - Undelete Message

## Network Protocol & Service

- Data, Voice, Video and Security Support
- Standard Compliant IP Network Protocol

## Network Management

- Standard SNMP Agent ((MIB v2) Support
- Console, Telnet, Web Based Management
- Remote Download via FTP/TFTP

## Traffic QoS Control

- Traffic QoS Control Feature for Services
- Voice, Data, Video Prioritizing Control
- Various QoS Algorithm Support

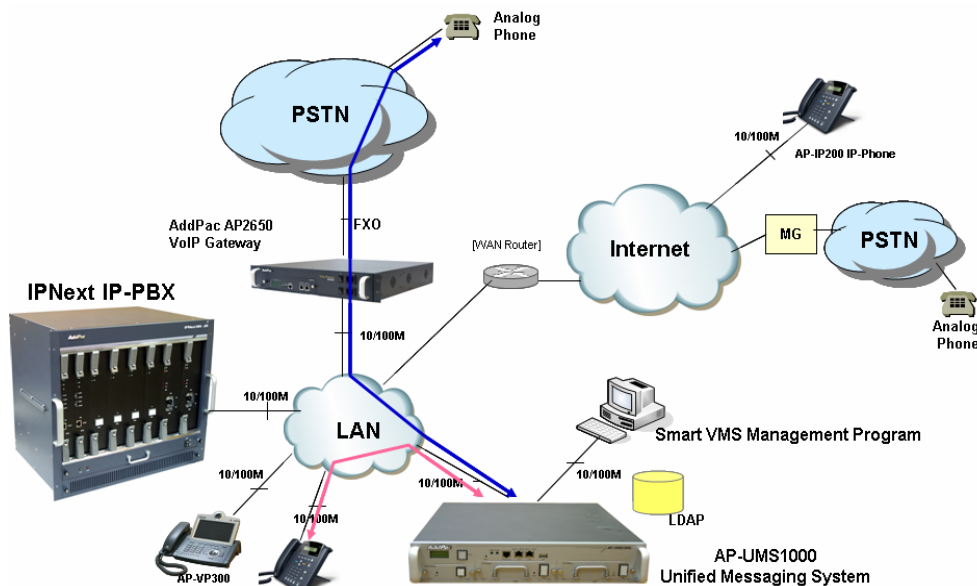
## Security Feature

- IP Packet Filtering / Access List
- Access Control and Data Protections
- Enable/Disable for Specific Protocols
- Multi-level User Account Management
- Auto-disconnect for Telnet/Console Sessions
- PPP User Authentication Support
- Password Authentication Protocol (PAP)
- Challenge Handshake Authentication Protocol (CHAP)

## Operation & Management

- Configuration Backup & Restore for APOS Managements
- Auto Upgrade via HTTP/HTTPS
- Debugging, System Auditing, and Diagnostics Support
- FTP/TFTP/Telnet/SSH Server and Client

## AP-UMS1000 Network Diagram



## Ordering Information

- AP-UMS1000 Unified Messaging System
  - Two(2) Gigabit Ethernet Port
  - One(1) Console Port
  - RISC CPU,
  - 16MB Flash,
  - 512MB DDR Memory
  - USB 2.0 Host Mode Interface
  - Two(2) HDD Module
- CAB-LAN Ethernet Cable
- CAB-CON RS-232C Console Cable
- TIM-AUD128 64-Channel Voice Transcoder DSP Module (Option)