



AP-VP250 IP Video Phone

AP-VP250 is an IP video key phone that allows you to make high quality and high resolution video communications by using the Internet. This product supports a video conference, point-to-point video communication, VoD, IPTV, and aid to communication access for the disabled optimally through the latest audio/video codecs and a variety of AV I/O interfaces. Also, this product provides 25 speed-dial key buttons with presence indication LED LAMP for easy connection. Now, the criteria of choosing a video phone are high quality audio, video and easy connection issue.

This new video phone delivers the various IP communication solution, taking a full advantage of new 'all-in-one concept' with voice, audio and video application integrated. It provides not only cutting-edge features such as AV in/out interfaces, QoS functions, public IP sharing but also a wide range of multiple VoIP signaling such as SIP, H.323 protocols and H.263, MPEG4, H.264 video codecs.

Designed on the foundation of AddPac's field proven voice/video processing technology, this high performance and versatile IP video key phone provides unmatched clear video with high resolution wide 4.3 inch WQVGA(480x272) LCD panel with touch screen function. It also ensures the optimal video quality with consistency by leveraging 'rate control' for limited bandwidth and high end 'resilience' for packet errors. AP-VP250 realized state-of-the-art service quality, supporting max 30 fps of VGA(640x480) in case of MPEG4 video codec. Local display support WQVGA image format.

AP-VP250 IP video key phone combines AddPac's field proven Video Technology and IP Multimedia Broadcasting Technology. AP-VP250 is market-ready IP video key phone which provides a full suit of remarkable functionality compared to other typical video phones. Apart from video telephony service, it delivers IP multimedia broadcasting service supporting internal or external MIC/Line-in, Line-out interface for various input/output devices such as headset, Amp or speaker. Furthermore, installed along with IPNext500 and IPNext1000 on AddPac's comprehensive IP-PBX system, it not only improves operation offering an wide variety of features such as Music on Hold, Coloring service, Call Transfer but also provides the easy-to-use, intelligent IP video telephony service enhanced by AddPac's unique MS-Window based Smart Messenger.

Not only IP communication, AP-VP250 is an integrated, feature-rich network equipments delivering routing, NAT/PAT, DHCP server/relay, public IP sharing, PPTP Tunneling for private IP and QoS. In today's mixed network of xDSL, Cable, FTTH, Metro Ethernet, Lease line and dynamic IP environment, not only the ample network service features, but also high-end QoS and security features are requested. Based on two 10/100Mbps Fast Ethernet ports, AP-VP250 offers integrated network and security service of LAN-to-LAN routing, bridge and NAT/PAT.

AP-VP250's network protocol delivers the enhanced multimedia solution on the IP based broadband networking environment to implement the optimal integration of the solutions. Integrated with AddPac's various solutions, AP-VP250 IP video phone provides diverse IP communication services such as VoD, IP multimedia broadcasting, multipoint video conferencing as well as a full suit of IP video telephony functionality. Thus, customers can best optimize their network environment to maximize benefit from convergence of multimedia communication.

Product Highlights

- New 'All-In-One' Concept with Video, Voice, Audio, Data Integrated for Complete Multimedia Communication System
- 25 Speed-Dialing Key with User Presence Indication LED LAMP
- Unmatched Video Quality for Interactive Communication in 30 fps of VGA(640x480), Supporting Both Encoding and Decoding
- LCD Display : Up to WQVGA(480x272) Display Format
- Optimal Video Quality Avoiding Bandwidth Loss On Asymmetric Network
- Various Video In/Out Interfaces for a Wide Range of External Devices
- IPv4/IPv6 Dual Stack Support
- Easy System Firmware Upgrade On the Basis of High Performance Embedded RISC CPU and Programmable DSP Chipset
- Two(2) 10/100Mbps Fast Ethernet Support
- Support the Latest Codec Algorithms Such As H.263, MPEG-4, H.264 for High Quality Video/Voice/Audio
- G.711,G.729,G.723.1, etc Voice Codec.
- OSD (On Screen Display) for Quick and Easy Setup
- Touch Screen based OSD Control Support
- Easy-To-Use Hot Function Keys
- Remote Controller (option) for VoD service, IP Multimedia Broadcasting Service Operation, General and Network Management, Local/Remote Site Control
- EMS Solution for Network Maintenance
- APOS Guarantees Scalability, Reliability, Stability

AP-VP250 Applications

- IP Telephony Solution
- Video Conferencing System
- IP Voice/Video Broadcasting System
- VOD (Video on Demand) System
- IP Remote Broadcasting System

Hardware Specification

- Micro processor (CPU) and DSP
 - Dual Processor Architecture
 - RISC Microprocessor
 - High Performance Programmable DSP
- System Memory
 - Flash memory 8Mbyte Flash Memory
 - Main memory 64Mbyte SDRAM
- Video Interface
 - RCA Video 1-port In & Out
 - S-Video 1-port Out
- Audio Interface
 - Audio In 1-port 20mm Stereo Jack
 - Audio Out 1-port 20mm Stereo Jack
- Ethernet Interface
 - 10/100Mbps two(2)-port Ethernet (RJ-45)
- USB Interface
 - USB 1.0 Host Mode
- Display
 - 4.3 Inch TFT Color LCD
 - Clear Type Touch Screen
- Remote Controller (Option)

Power & Operational environment

- Adaptor AC/DC Power Adaptor
- Power 5V, 3A
- Temperature 0°C~+45°C (operating)
- Temperature -40°C~+85°C (storage)
- Humidity 5%~95% (Non-condensing)

Hardware Dimension

- Dimension (D x W x H) : 37mm x 220mm x 250mm
- Weight : 1.2Kg
- Material : High-Solidity ABS Chassis

Video & Multimedia Service

- Various Video Interfaces
- MMoIP (Multimedia over IP) Features
 - Video Codec
 - H.263, MPEG-4, JPEG, H.264
 - Bandwidth : 64Kbps ~ 4Mbps (Configurable)
 - Frame Rate : up to 30 fps (Configurable)
 - High Resolution : QCIF(176x144), CIF (352x288), QVGA(320x240), VGA(640x480)
 - Local Display : Up to WQVGA(480x272) image format
 - QoS for Video Traffic Control
 - Asynchronous Video Transferring Service
 - Interoperable with Diverse IP Codec Products

OSD Service

- On-screen Display (OSD) Software
- Screen Layout, Operation setting, Bandwidth, IP configuring etc
- Network Environment Setup, Local/Remote Control

Voice over IP Service

- H.323, SIP VoIP Signaling Protocol
- VAD, DTMF, CNG, G.168
- H.323 Gateway & Gatekeeper Support
- Voice Codec : G.723, G.729, G.726, G.711
- Interoperable with Diverse VoIP Gateways
- Interoperable with Diverse VoIP Gatekeeper, SIP Proxy.

Application Service

- VoD Service
- IP Multimedia Remote Broadcasting Service
- IP Multimedia Broadcasting Service
- File Browser

Network Protocol & Service

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

WAN Protocol

- Broadband IP Network Support
- PPPoE, etc
- Standard Compliant WAN 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

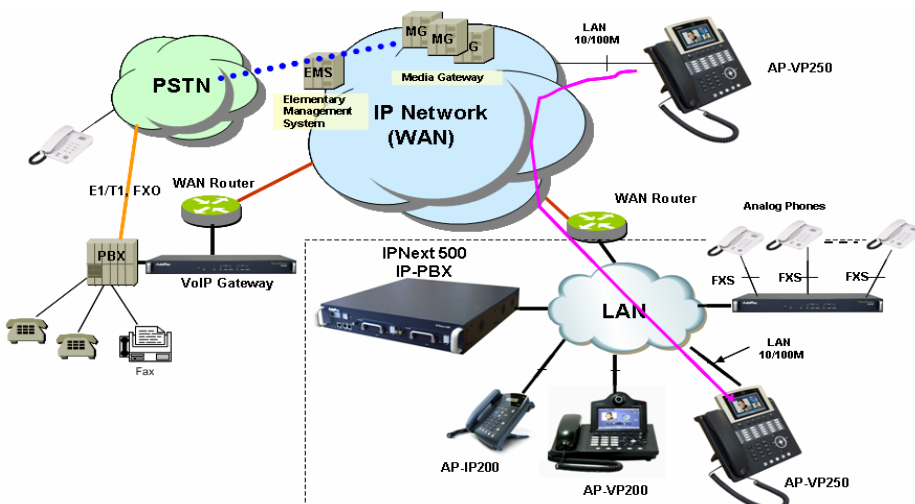
Security Feature

- 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)

Other Feature

- DHCP Server & Relay Functions
- PPTP Tunneling

AP-VP250 Network Diagram



Ordering Information

- AP-VP250 IP Video Key Phone
- AP-REMOCON Remocon (option)
- CAB-LAN Ethernet Cable
- CAB-CON RS-232C Console Cable
- Video Cable For External Video Device