



AP-VP230N

VGA Display IP Video Phone

High Performance Broadband Convergence Network IP Video Terminal Solution



AddPac

AddPac Technology

2016, Sales and Marketing

www.addpac.com

High Quality, High Resolution

AP-VP230N IP Video Phone

5inch LCD, VGA Display, VGA Codec



Contents

- Product Overview
- Benefits and Features
- Hardware Specification
- Multimedia Service
- Software Service
- Video Service & Features
- Audio & Voice Service and Features
- Network Service and Features
- Application Area
- Ordering Information



Product Overview

AP-VP230N IP Video Phone

- IP based Video Phone Solution
- IP Video Conference Solution
- IP Video Telephony Solution
- IP Video Door Phone Attendant Solution
- IP Video Broadcasting Terminal Solution
- High-performance Video, Audio, and Voice Service
- Flexible Videoconferencing Deployment
- Camera Privacy Slide Key
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Product Highlights

AP-VP230N IP Video Phone



Multimedia Service

AP-VP230N IP Video Phone



- APOS : AddPac Internetworking Operating System
- OSD : On- Screen Display
- EMS : Element Management System

Benefits and Features

AP-VP230N IP Video Phone

- **5 Inch LCD Display, Built-in CMOS Camera**
- **External Video Interface**
 - Composite (RCA) Video In/Out, Audio (RCA) In/Out
- **High-performance Video Codec Support**
 - H.263, MPEG-4, and H.264
- **Powerful Image Resolution Support**
 - QCIF(176x144), CIF(352x288), QVGA(320x240) and **VGA (640x480)**
- **Up to 30fps with Wide VGA-Resolution(MPEG-4)**
- **Video Conference Call Support (AddPac External MCU Inter-working)**
- **SIP, H.323 Signaling Support**
- **Rate Control for Video Traffic QoS**
 - Ensuring Optimized Quality
 - Frame Rate with Limited Bandwidth
- **High-end Error Resilient Against Various Packet Error**

Hardware Specification

AP-VP230N IP Video Phone

RISC
CPU

High-end
DSP

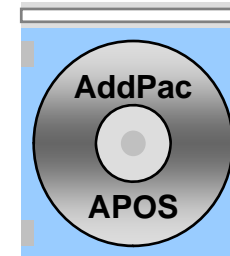
- **RISC Microprocessor Computing Power**
- **High-end Programmable DSP Hardware Architecture**
- **Powerful Video Interface**
 - RCA Video Input/Output Interface
- **High quality Audio and Voice Interface**
 - Stereo Audio Input Connector
 - Stereo Audio Output Connector
- **Network Interface**
 - Two(2) 10/100Mbps Fast Ethernet (RJ45)
- **FXO PSTN Backup** : Option
- **PoE(Power over Ethernet)**: Option



Software Service

AP-VP230N IP Video Phone

- **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 DSP Architecture**
- **OSD (On-screen Display) Function Support**
- **Industry Standard IP based Network Protocol Features**



Video Service and Features

AP-VP230N IP Video Phone

- **Various Video Networking Interface**
 - Composite (RCA)
- **High-performance Video Codec Support**
 - H.263, MPEG-4, and H.264
- **Powerful Image Resolution Support**
 - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- **Up to 30fps with VGA Resolution**
- **64Kbps to 1Mbps 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-VP230N IP Video Phone

- **Audio & Voice Networking Interface**
 - Audio Input/Output Port (2 x 3.5mm Stereo Female Connector)
- **VoIP based Signaling Protocol Support**
 - H.323, SIP Multiple Signaling Protocol Stack
 - H.323 Gateway, Gatekeeper Support
- **High-performance Audio & Voice Codec Support**
 - Line IN/OUT : G.726, G.711 Audio Codec, etc
- **Enhanced QoS Management Features for Voice Traffics**

Network Service and Features

AP-VP230N IP Video Phone

Basic Network Protocols

- ARP, IP, IPv6, TCP, UDP, ICMP, ICMPv6, SCTP, IGMP, MLD

Routing Protocol

- IPv4 : Static
- IPv6 : Static

Service Protocol

- FTP, Telnet, TFTP, DHCP Server/Relay, SNMP Server
- CDP (Cisco Discovery Protocol)
- DNS Resolver , DDNS(nsupdate)
- Bridge
- Syslog
- IP/IPv6 policy control (QoS)
- VPDN (Virtual Private Dial-up Network : L2TP Server)

Network Service and Features

AP-VP230N IP Video Phone

IPv4/IPv6 Interworking

- NAT/PAT for IPv4
- IP connect (formerly ip-share) and device cascade for IPv4
- IP/IP, IP/GRE tunneling
- NAT-PT
- 6to4, Autoconfig tunneling

IPv4 Address Configuration

- Fixed (Static)
- DHCP
- PPPoE

IPv6 Address Configuration

- Fixed (Static)
- EUI-64
- Autoconfig (Neighbor Advertisement and Solicitation)

Network Service and Features

AP-VP230N IP Video Phone

Miscellaneous

- Cisco Style CLI
- Standard & Extended IPv4/IPv6 Access List
- Multi-level User Account Management
- IP accounting
- fsh (Embedded file system shell)
- STUN Client

Network Service and Features

AP-VP230N IP Video Phone

SNMP MIBs

- MIB-II
- RMON MIBs (Statistics, History, Alarm, Hosts Group)
- RFC2465 Management Information Base for IP Version 6: Textual Conventions and General Group
- RFC2466 Management Information Base for IP Version 6: ICMPv6 Group
- RFC2452 IP Version 6 Management Information Base for the Transmission Control Protocol
- RFC2454 IP Version 6 Management Information Base for the User Datagram Protocol
- AddPac Enterprise MIBs
- etc

AP-VP230N IP Video Phone

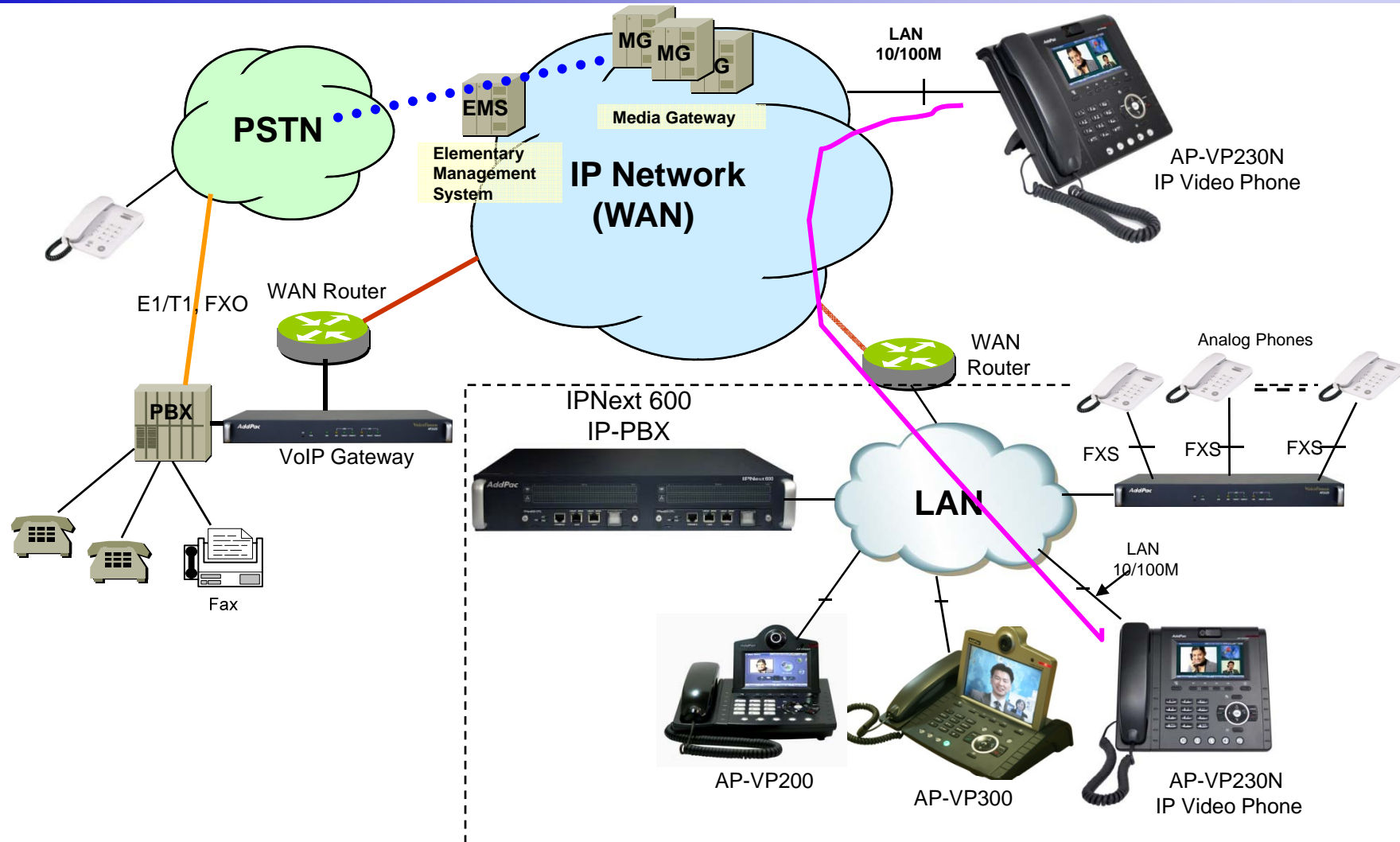
Application Area

- IP-PBX Video Terminal (SIP, H.323, etc)
- Audio/Video Real-time Broadcasting
- Video Telephony
- Video Conference



Standard IP-PBX Application

AP-VP230N IP Video Phone



Ordering Information

- **AP-VP230N IP Video Phone Hardware**
 - AP-VP230N Video Phone Main Body
 - RISC Microprocessor with High-end Programmable DSP Architecture
 - 5 Inch LCD, Built In Camera, Touch Screen
 - External Video RCA Input/Output, S-Video Out and 3.5mm Audio Input/Output
 - 2-ports 10/100Mbps Fast Ethernet and 1-port RS-232C Console
 - Option : 1-Port FXO PSTN Interface
 - Option : PoE Interface
 - Including Network Cable Set & Ext. Power Supply, etc.
- **Built-in APOS Internetworking Software for AP-VP230N**
- **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!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com