



IPNext 100 Front Side



Model A : Two(2) FXS VoIP Interface



Model B : Two(2) FXO VoIP Interface



Model C : Two(2) FXS & Two(2) FXO VoIP Interface

IPNext 100 IP-PBX

IPNext100 is a next-generation IP-PBX and a new IP telephony solution for all IP environments. IPNext 100 inter-works with the user terminals (e.g. AP-VP300, AP-VP200 IP Video Phone, and AP-IP200 IP Phone) of AddPac Technology to provide multimedia IP telephony services as well as the traditional voice-based PBX features. This product is based on the advanced embedded RISC that enables firmware upgrade, and can be equipped with FXS, FXO, and VoIP interfaces depending on options. IPNext100 is suitable for small companies, and inter-works with the VoIP and video products of AddPac to provide a variety of IP application services appropriate for your network. Also, IPNext100 supports H.323 VoIP inter-working as well as SIP protocol for outbound call.

The front panel of IPNext100 IP-PBX supports LED displays of device status. Its rear panel supports FXS, FXO, and VoIP interfaces depending on options, and has two 10/100 Mbps Fast Ethernet ports, the RS-232C console port for Command Line Interface (CLI), and USB host mode interface port. The VoIP interface on the rear panel (2-port FXO and 2-port FXS VoIP interface ports) can be used to connect PSTN and conventional Analog Phone. IPNext 100 supports VoIP media gateway features as well as IP-PBX features. The USB host mode port allows you to add the features of IP-PBX in addition to supporting the basic features by being connected either to USB-based memory such as USB HDD, USB Flash Memory, and USB wireless LAN or to a network interface device. The call scenarios supported by IPNext100 provide SIP-based basic calls, color ring services, music on hold, blind transfer, call pickup, group call pickup, consult calls, switching calls, consult transfer, call waiting, call waiting notification, call park, call pickup remote, and hunt group. In addition to supporting small capacity voice mails that use internal flash memory, this product is designed to provide application services that require much memory such as voice/video mails using external USB memory such as USB Flash and USB HDD.

Product Highlights

- New 'All-In-One' IP-PBX Concept with Video, Voice, Audio, Data Integrated for Complete Multimedia IP Telephony System
- VoIP Interface for VoIP media gateway service
 - Model A : Two(2) Port FXS Interface
 - Model B : Two(2) Port FXO Interface
 - Model C : Two(2) Port FXS and Two(2) Port FXO Interface
- Upgradeable System Architecture based on Programmable RISC & DSP
- Two(2) 10/100Mbps Fast Ethernet Interface
- RS-232C Console Interface(RJ45) for CLI (Command Line Interface)
- Supports Various AddPac IP end-point terminal : Video Phones, IP Phones
- RTP Proxy Service Features for Private IP and IPv6 Address
- Voice Mail Function
- Internal : SIP signaling
Outbound Call : SIP and H.323 Signaling
- Various IP Telephony Call Scenario (Coloring, Music on Hold, Call Transfer, etc)
- Powerful IVR service via Scenario Editor
- 3-Party Call Support (G.711 Voice Codec)
- Remote Firmware Upgrade Through FTP & TFTP Protocol
- CISCO-style CLI (Command Line Interface)
- MS-Window based Smart Multimedia Manager Software
- Essential Scalability Features such as DHCP Server & Relay, NAT/PAT, IEEE Transparent Bridging, and Debugging/Diagnostics, etc.
- Fault Tolerant and Scalability Architecture for duplication

IPNext 100 Application

- IP Telephony System Integration for Small Office and Home Network
- IP based Call Center System
- VoIP gateway service
- IVR system

Hardware Specification

- RISC PowerPC Microprocessor (CPU) + Voice DSP
- Memory
 - Boot memory 512Kbyte Flash Memory
 - Flash memory 16Mbyte Flash Memory
 - Main Memory 128Mbyte SDRAM
- Ethernet Interface
 - 10/100Mbps 2-Port Ethernet (RJ-45)
- Console Port
 - RS-232C 1-Port Console (RJ-45)
- VoIP Interface
 - Model A : 2-Port FXS Interface
 - Model B : 2-Port FXO Interface
 - Model C : 2-Port FXS and 2-Port FXO interface
- USB 1.1 Host Mode Interface for USB Flash, USB HDD Memory
- Power ON/OFF Switch

Power & Operational environment

- Power External Power Adaptor
- Power Consumption 25Watt
- Operation Temperature 0°C ~ +45°C
- Storage Temperature -40°C ~ +85°C
- Humidity 5% ~ 95%

Dimensions

- Dimension (H x W x D) : 43 x 265 x 165 (mm , H x W x D)
- Weight : 0.75 Kg

Voice over IP Service

- H.323, SIP VoIP Signaling Protocol
- VAD, DTMF, CNG, G.168
- Voice Codec : G.723.1, G.729, G.726, G.711,
- Various VoIP Features
- Interoperable with Diverse VoIP Gateways
- Interoperable with Diverse VoIP Gatekeeper, SIP Proxy Server

IP Telephony Service

- Internal Call : SIP signaling
- Outbound Call : SIP and H.323 Signaling
- Speed Dial, Phone Book
- Voice Mail
- Basic Call Scenario, Coloring Service Music on Hold, Blind Transfer, Call Pickup
- Consult Call, Switching Call, Consult Transfer
- Call Waiting, Call Waiting Notify
- Call Park, Call Pickup Remote, Hunt Group
- MS-Window based Smart Multimedia Manager Program
- MS-Window based Smart Messenger Support

RTP Proxy Service

- Private IP Address Support
- IPv6 Address Support
- Public and Private IP Address Inter-working

IVR Service

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

Application Service

- IP Telephony Service
- Media Gateway Service

Network Protocol & Service

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

WAN Protocol

- Broadband IP Network Support
- PPPoE, HDLC 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

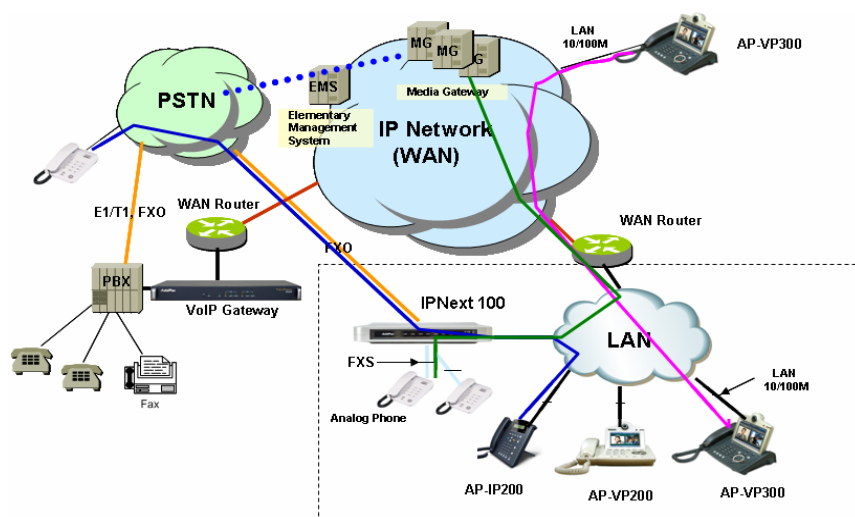
Security Feature

- 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

IPNext 100 Network Diagram



Ordering Information

- IPNext 100 Next Generation IP-PBX
 - Two(2) Fast Ethernet Port
 - One(1) RS-232C Console Port
 - RISC CPU + Voice DSP,
 - 16MB Flash, 128 MB SDRAM
 - USB 1.1. Host Mode Interface
 - Power ON/OFF Switch
 - APOS v8.xx Manual
 - CAB-LAN Ethernet Cable
 - CAB-CON RS-232C Console Cable
- Option :
- IPNext100-Model A : 2-Port FXS Interface
 - IPNext100-Model B : 2-Port FXO Interface
 - IPNext100-Model C : 2-Port FXS and 2-Port FXO Interface