Next Generation IP-PBX Solution

IPNext 700





IPNext 700 Next Generation IP-PBX

IPNext 700 is a next generation, multimedia IP-PBX system that supports a rich set of IP converged applications. The IPNext 700 provides economical migration to integration of a wide range IP telephony connectivity with AddPac Customer Premise Equipment (including Video Phone and IP Phone Series), as to complete end-to-end IP convergence solution. The IPNext 700 supports not only many of the existing and traditional voice-centered PBX features, but also multimedia video, voice communication and broadcasting features.

Designed on the foundation of high performance embedded RISC CPU and dual HDD fail safe system (RAID1 configuration), IPNext 700 supports various IP based voice and video terminals, systems of AddPac Technology such as MCU (Voice, Video MCU), Media Server, Unified Messaging Server. It's ideal IP -PBX system for medium and large businesses taking a full advantage of new 'all-in-one' concept with voice and video call handling server, user presence server, RTP proxy server integrated.

AddPac IPNext 700 NGN(Next Generation Network) IP-PBX comes with two(2) 3.5 inch HDD module slot(RAID 1), two(2) 10/100/1000Mbps Gigabit Ethernet port and Console port at the front part of chassis. Also the front of IPNext 700 also provides LED array which has been designed to grasp the number of calls being processed for the entire capacity at a glance.It features a wide variety of call scenarios such as Basic Call, Coloring Service, Music on Hold, Blind Transfer, Call Pickup, Group Call Pickup, Consult Call, Switching Call, Consult Transfer, Call Waiting, Call Waiting Notify, Call Park, Call Pickup Remote, Hunt Group. This IPNext 700 use the Session Initiation Protocol (SIP) protocol for internal calls and has been designed to support SIP and H.323 for external outbound, inbound call interoperability with softswitch or Gatekeeper.In addition, 3.5 inch Dual IDE high capacity HDD for RAID 1 configuration is well-suited to the services which need sizable memory capacity such as Voice Mail ensuring the system consistency and the high availability

As 'All IP' multimedia telephony environment is becoming a reality with advanced next generation networking technology, there is now critical demand of optimal integration of the solutions. AddPac Technology offers a range of solution covering VoIP and Media gateway, audio/video terminal equipments, external audio/video MCU, IP audio/video broadcasting and VoD solution, Network DVR, audio/video record&archive solution, Traffic controller, QoS equipment to meet customers' various communication requirements, so you can best optimize your network environment to maximize benefit from convergence of multimedia communication.

Product Highlights

- New 'All-In-One' IP-PBX Concept with Video, Voice, Audio, Data Integrated for Complete Multimedia IP Telephony System
- Hot-Swap IDE type dual 3.5 Inch HDD (RAID1 Configuration Available)
- Upgradeable System Architecture based on Programmable High Performance RISC
- Two(2) 10/100/1000Mbps Gigabit Ethernet Interface
- RS-232C Console Interface for CLI (Command Line Interface)
- Voice Mail Function Support via Embedded Large Capacity HDD
- SIP and H.323 Signalling for External Call
- Various IP Telephony Call Scenario (Coloring, Music on Hold, Call Transfer, etc)
- Powerful IVR function via IVR Scenario Editor
- Multi-Party Voice Conference via Internal Hardware type MCU Module (DSP, Two(2) session 3,4 party) (G.723.1, G.729, G.726, G.711,etc)
- Multimedia Application Service such as Video Telephony (Video Phone, Video Codec, Video MCU, etc)
- Remote Firmware Upgrade Through FTP & TFTP Protocol
- 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

AP-VP300



AP-VP200



AP-IP150



IPNext 700 Application

- IP Telephony System Integration
- IP Multimedia Telephony Solution
- IP based Call Center System

IPNext 700

Next Generation IP-PBX Solution

Hardware Specification

- RISC PowerPC Microprocessor (CPU)
- Memory
  - Boot memory 512Kbyte Flash Memory
  - Flash memory 16Mbyte Flash Memory
  - Main Memory 256Mbyte SDRAM
  - HDD(RAID1) 3.5 Inch IDE HDD x 2 Hot-Swap Module Type
- Ethernet Interface
  - 10/100/1000Mbps 2-Port Gigabit Ethernet (RJ-45)
- Console Port
  - RS-232C 1-Port Console (RJ-45)
- System Status Display LCD
  - Orange LCD Panel
  - Alarm Clear Button
- Dual Power Supply Module for Redundancy
- Call Status Monitoring LED Array

Power & Operational environment

- Power Internal Free Voltage Power 110~220VAC, 50/60Hz
- Power Consumption : 12V 4A
- Operation Temperature 0℃~+45℃
- Storage Temperature -40℃~+85℃
- Humidity 5%~95%

Dimensions

- Dimension (W x D x H) : 480 x 480 x 100 (mm)
- Weight : 10.3Kg

IP Telephony Service & Call Routing

- 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
- Smart Multimedia Manager Program for System Management
- Smart Messenger Program for IP terminals

IP-PBX Signaling

- SIP Application Server, Proxy, Registrar and Location Server (RFC3261)
- Multiple ITSP Truck with SIP & H.323 Account Support
  - IP UA Client Role for Registering to ITSP SIP Server
  - H.323 Gatekeeper Client Role for Registering to ITSP H.323 Gatekeeper Server

3-Party Call Conference

- H/W MCU based on programmable DSP
- Various Voice Codec Support
- Up to 8 subscriber, 2 session at 4-Party Conference

IVR Service

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

RTP Proxy Service

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

Network Protocol & Service

- Data, Voice 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

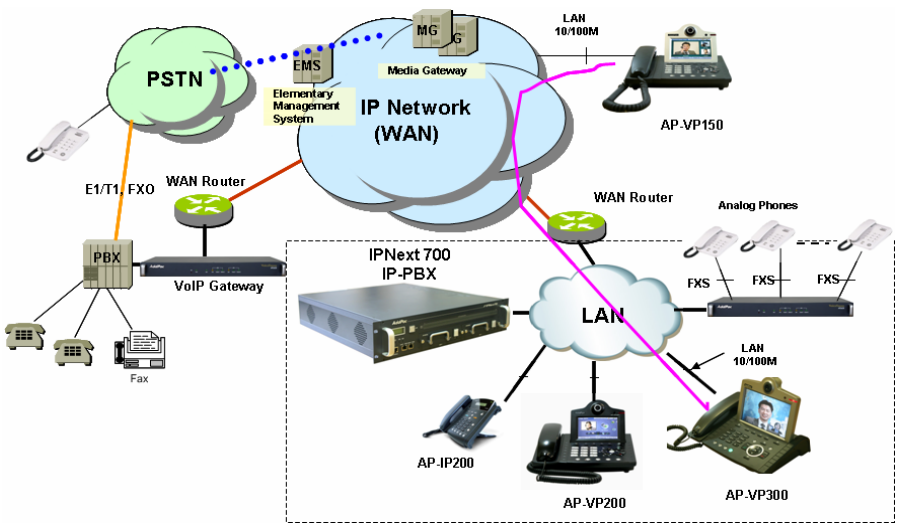
Security Feature

- 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)

Other Feature

- DHCP Server & Relay Functions

IPNext 700 Network Diagram



Ordering Information

- IPNext 700 IP-PBX
  - Two(2) Gigabit Ethernet Port
  - One(1) Console Port
  - RISC CPU,
  - 16MB Flash, 256 MB SDRAM
  - Two(2) 3.5 Inch HDD Module
  - Voice H/W MCU Module
  - APOS v8.xx Manual
- CAB-LAN Ethernet Cable
- CAB-CON RS-232C Console Cable

AddPac

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