Next Generation IP-PBX Solution

IPNext600

Product Highlights

- New 'All-In-One' IP-PBX Concept with Voice, Audio, Data Integrated for Complete IP Telephony System

- Module Type Dual System for Fault Tolerant and Scaleable Architecture

- Upgradeable System Architecture based on Programmable RISC

- Two(2) 10/100Mbps Fast Ethernet Interface per a system board

- RS-232C Console Interface for CLI (Command Line Interface)

- SIP Application Server, Proxy, Registrar and Location Server(RFC3261)

- Multiple ITSP Trunk 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

- Various IP Telephony Call Scenario (Coloring, Music on Hold, Call Transfer, etc)

- Powerful IVR function via IVR Scenario Editor

- Unified Messaging Service Support

- Internal RTP Proxy Service for Private IP Address Support

- User Presence Service Support

- Media Service for Music on Hold, Ring back tone, etc

- Remote Firmware Upgrade Through FTP & TFTP Protocol

- Essential Scalability Features such as DHCP Server & Relay, NAT/PAT, IEEE Transparent Bridging, and Debugging/ Diagnostics, etc.

IPNext 600 IP-PBX

With the growth of business customers' needs for IP telephony and broadband converged network applications, the trends towards 'All IP' communication environment are becoming a reality keeping pace with the technological advance of next generation networking. IPNext 600 IP-PBX delivers a new IP communication solution for 'All IP' environment as a core system of AddPac's comprehensive IP solution which features various multimedia IP terminal equipments such as AP-VP300, AP-VP280 IP video phone and AP-IP300, AP-IP120 IP phone etc.

Designed on the foundation of high performance embedded RISC CPU, IPNext 600 supports the module type dual CPU boards for system redundancy. Also, IPNext600 supports the module type dual power supply. It's ideal IP-PBX system for medium size enterprise taking a full advantage of system stability.

IPNext 600 NGN (Next Generation Network) IP-PBX provides the Active-Active system duplication features for fault tolerant architecture. For the system duplication, it use the dual(2) Hot-Swap CPU boards at the front part of chassis. Also, it also comes with two(2) 10/100Mbps fast ethernet port and console port at front panel. It features a wide variety of SIP based internal 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, supporting SIP, H.323 for external calls concurrently. In addition, internal NAND flash memory and DDR memory is well-suited to the services which need sizable memory capacity such as Voice Mail ensuring the system consistency and the high availability. Also, RTP Proxy Service for private IP address, intelligent IVR service, Media Service such as music on hold, announcement, music ring back tone, Unified Messaging Service (voice mail) are additional IPNext 600 IP-PBX service features beside basic SIP call manger service.

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, Independent audio/video MCU, IP audio/video broadcasting and VoD solution, Network DVR, Audio/video recording 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.

IPNext600 Application
- IP Multimedia Telephony Service
- IP based Call Center
- SIP Proxy Server

Hardware Specification
- Dual System Processor Board
- System Processor Board
  - High-End RISC Microprocessor
  - Flash Memory : 512Mbyte
  - DDR SDRAM Memory : 128M Byte
  - Boot Memory : 512Kbyte
  - Hot-Swap
  - Blue LAMP with Toggle Switch Button
  - CPU Utilization Display LED Array
  - Network Utilization Display LED Array
- System Processor Board Network Interface
  - LAN0 Port : 10/100Mbps Fast Ethernet
  - LAN1 Port : 10/100Mbps Fast Ethernet
  - Console Port : RS232C Interface Port for CLI

Power & Operational environment
- Dual Power Supply   Module Type Free Voltage
  Power 110~220V 50/60Hz
- Power Consumption   5V 10A
- Operation Temperature   0℃~+45℃
- Storage Temperature -40℃~+85℃

Dimensions
- Dimension (H x W x D) : 78 x 440 x 436 (mm)
- Weight : 8.26 Kg

IVR Service
- Provides with GUI-based Smart IVR Scenario Editor
- Upload/Download Scenario by Smart IVR Scenario Editor
- Supports Multiple Concurrent Scenarios
- Support Recordable IVR Prompts

RTP Proxy Service
- Private IP Address Support
- IPv6 Address Support
- Public and Private IP Address Inter-working

IP Telephony Service
- SIP Application Server, Proxy, Registrar and Location Server(RFC3261)
- Multiple ITSP Trunk 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
- 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 (EMS)
- NMS (Network Management System) Support
- AddPac Video Phone, Support
- AddPac IP Phone Support
- AddPac Wifi Phone Support
- AddPac Extended Dial Key System Support
- AddPac Soft Phone Support
- MS-Window based Smart Messenger Support

User Presence Service
- Real-time User Presence Service
- Interworking with Smart Messenger and Presence IP Terminal

Conference Service
- Ad-Hoc Conference
- Dial-Out Conference
- Meet-Me Conference
- Multiple External A/V MCU Support
  (AddPac AP-MC3000, AP-MC2000, AP-MC1500, etc)
- Conference Chair and Participant Manage-

Media Service
- Ring Back Tone, Announcement, Music on Hold
- Scheduled based Media Service

Unified Messaging Service
- IVR Scenario for Voice Mail Recording and Retrieval
- Voice Mail Notification via E-Mail
- Quota Management for each user

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
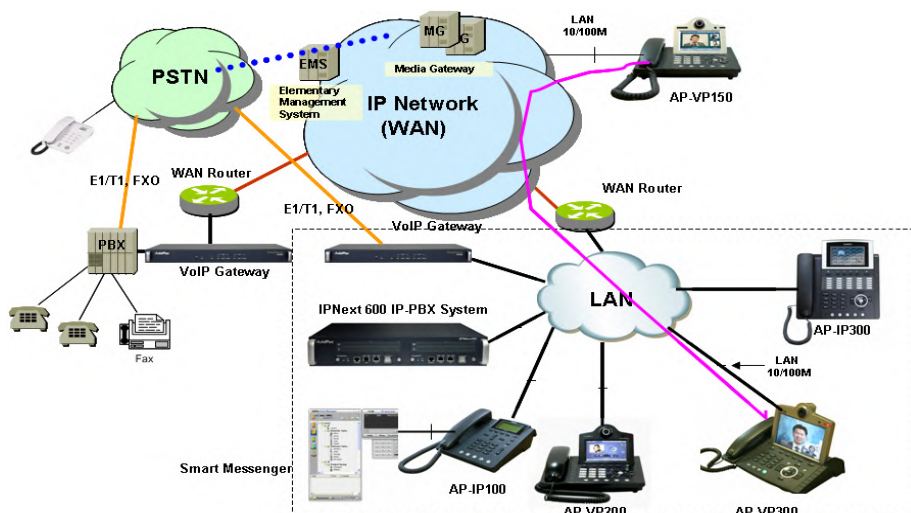- Various QoS Algorithm Support

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
- DDNS , NTP (Network Time Protocol)

IPNext 600 Network Diagram

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