Large Scale VoIP Gateway Solution

AP6200

AP6200 Large Scale VoIP Gateway

VoiceFinder AP6200 is a new cutting edge BcN (Broadband Convergence Network) VoIP gateway supporting maximum 80 ports of analog voice interface. Analog interface of AP6200 provide an optimized call scenario when it interoperates with conventional PBX. Compact cost effective design and system architecture of AP6200 provides customer satisfaction in high quality, performance and system reliance.

VoIP gateway combining IP-PBX is now suggesting a new model for a main voice communication solution. In order to be a part of advanced VoIP communications naturally in the future, making an excellent choice of choosing VoIP gateway is essential. VoiceFinder AP6200 is a Large Scale VoIP gateway providing total 80 analog interface ports, and so on. It is suitable for general enterprises, large and public offices. It has functions as a media gateway which interoperates with IP-PBX and it enables to replace mid and large size analog PBX. Especially AP6200 provides an optimal solution of VoIP communications in telephony environments that using telephone lines and PBX to get connect with a head office

AP6200 in the aspect of hardware architecture is designed to provide a high performance service as a media gateway. It provides several LEDs in each VoIP module of front panel so that various operational status of VoIP ports can be checked. Two of 10/100Mbps fast Ethernet port and RS232C console interface on front panel's system processor board of A6200 are the base for delivering various network services such as LAN-to-LAN routing, Bridge and NAT/PAT service etc

Various VoIP gateway series of AddPac is approved for its high performance and reliability in world wide markets. AddPac provides highly advanced VoIP services in order to meet demanding and evolving business requirements of customers. Especially AP6200 has been developed through years of experiences and accumulated know -how from existing enterprises and communication markets. AP6200 provides concurrent triple stack such as H323, SIP and QoS (Quality of Service) for high quality of communication service. This will satisfy customers with high expectation

Product Highlights

- System Processor Board
  - Powerful RISC Microprocessor Architecture
  - Two(2) 10/100Mbps Fast Ethernet Interface
  - RS-232C(RJ45) Console Port for CLI Interface
- Ten(10) Slots for VoIP Interface Module
- 8-Port FXS, 8-Port FXO, 4-Port FXS & 4-Port FXO(Relay Function at Power Off) , 1~2 Port Digital E1/T1 VoIP Module
- VoIP Module
  - Hot-Swap Function Support
  - Front Panel LED for Real-time VoIP Port Status Monitoring
- Concurrent Triple Stack of SIP, H.323, MGCP
- Multi Protocol Routing for LAN and WAN Access
- Voice Processing Features
  - VAD, DTMF,CNG,G.168, T.38 G3 Fax Relay
  - G.723, 729A, G.726, 711
- High-performance IP-Routing Capability with Reliability
- Static and IEEE 802.1Q VLAN Routing Protocols including VRRP
- SNMP MIB V2 for Network Management
- Standard & Extended Access List for Security
- Essential Scalability Features such as DHCP Server & Relay, NAT/PAT, IEEE Transparent Bridging, and Debugging/ Diagnostics, etc.
- Remote Firmware Upgrade Through FTP & TFTP Protocol
- CISCO-style CLI (Command Line Interface)
- APOS Guarantees Scalability, Reliability, Stability

AP6200 Applications

- Inter-Office Internet Telephony System
- VoIP Gateway for Enterprises
- Media Gateway of IP-PBX

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Hardware Specification

- System Processor Board
  - RISC Microprocessor (CPU)
  - Memory
    - ・Flash memory 512Mbyte NAND
    - ・Main memory 1Giga Byte High Speed DDR2
  - Ethernet Interface
    - ・10/100Mbps 2-port Ethernet (RJ-45)
  - Console Port for CLI
    - ・RS-232C 1-port Console (RJ-45)
- Ten(10) Module Slots for VoIP Interface Module
- VoIP Interface Modules (Hot-Swap Function)
  - ・AP-N1-FXS8 8-port FXS Interface Module (8 x RJ11)
  - ・AP-N1-FXS4O4 4-port FXS Interface & 4-Port FXO Interface Module (8 x RJ11)
  - ・AP-N1-FXO8 8-port FXO Interface Module (8 x RJ11)
  - ・AP-N1-E&M4 4-port E&M Interface Module (4 x RJ45)
  - ・AP-N1-E1/T1 1-port Digital E1/T1 Interface Module (1 x RJ45)
  - ・AP-N1-2E1/T1 2-port Digital E1/T1 Interface Module (2 x RJ45)

Power & Operational environment

- Power Supply VAC 110~220V, 50/60Hz, 5V 30A, Dual Power Supply (Option)
- Temperature 0°C ~+45°C (operating)
- Temperature -40°C ~+85°C (storage)
- Humidity 5%~95%

Dimensions

- H x W x D : 180x 440 x 340(mm)
- Weight : 12.7Kg

IP Routing Protocol

- Static and IEEE802.1Q VLAN Routing

WAN Protocol

- Broadband IP Network
- PPPoE
- Standard Compliant WAN Network Protocol

Voice over IP Service

- H.323, SIP, MGCP Triple Concurrent VoIP Signaling Protocol
- ISDN-PRI, R2 Digital Interface Signaling Protocol
- VAD, DTMF, CNG, G.168, T.38 FAX Relay
- Voice Codec : G.723, G.729, G.726. G.711, etc
- High Level VoIP Signaling Debugging Features
- Polarity Inversion Feature
- Various VoIP Features
- Interoperable with Diverse VoIP Gateways
- Interoperable with Diverse VoIP Gatekeeper, SIP Proxy, MGC

Operation & Management

- Performance Analyzing (Process, CPU, Interface)
- Configuration Backup and Restore for APOS Management
- Debugging and Diagnosis Features
- System Booting/Rebooting through Watch Dog
- Data Logging Features
- IP Traffic Statistics through Accounting
- Debugging/Diagnostic

Network Management

- Standard SNMP Agent (MIB v2) Support
- Console, Telnet, Web Based Management
- Remote Download via FTP/TFTP
- Remote Firmware Upgrade using FTP/TFTP

Traffic QoS Control

- Traffic QoS Control Feature For Services
- Voice, Data Prioritizing Control
- Various QoS Algorithm Support

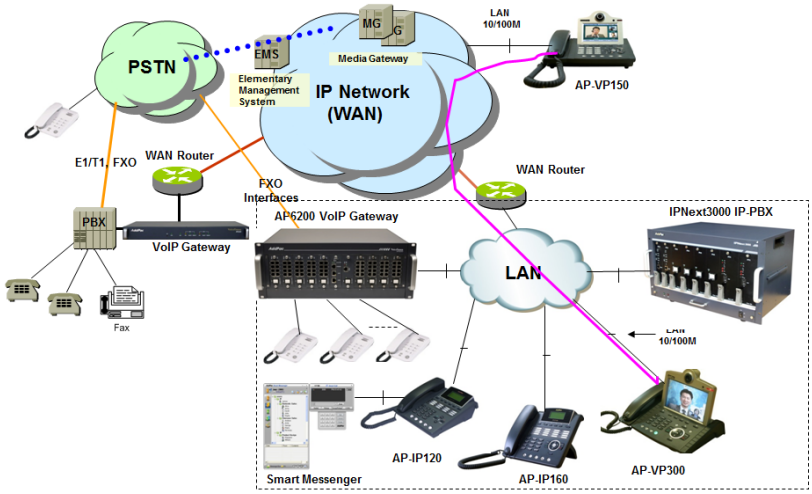
Security Feature

- 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 Features

- DHCP Server and Relay
- Network Address Translation (NAT)
- Port Address Translation (PAT)
- Transparent Bridging (IEEE Standard)
  - Spanning Tree Bridging Protocol
  - Concurrent Routing and Bridging
- NTP (Network Time Protocol)
- Cisco Style Command Line Interface
- Standard Compliant Network Protocol
- AddPac Proprietary IP Sharing
- MAC Address Filtering
- DNS Proxy

Network Diagram



Ordering Information

AP6200-01 : AP6200 Standard Configuration
- Two(2) Fast Ethernet Port
- One(1) Console Port (RJ45)
- RISC CPU, 512MB Flash,
- 1-Gigabyte DDR2
- Single Power Module
- APOS v8.xx Manual

- CAB-LAN Ethernet Cable
- CAB-CON RS-232C Console Cable
- AP-N1-FXS8 8-port FXS Module
- AP-N1-FXS4O4 4-port FXS&FXO Module
- AP-N1-FXO8 8-port FXO Module
- AP-N1-E&M4 4-Port E&M Module
- AP-N1-E1/T1 1-Port Digital E1/T1 Module
- AP-N1-2E1/T1 2-Port Digital E1/T1 Module

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