AddPac

AP1100 VoIP Gateway
High-performance, Compact Design

VoiceFinder AP1100 VoIP Gateway

VoiceFinder AP1100 VoIP Gateway provides high-performance voice over IP(VoIP) solution including IP-routing services for small enterprise, government and other public offices as well as Internet game room and Internet based cyber apartment. Moreover, VoiceFinder AP1100 VoIP gateway maintains best voice quality under low bandwidth traffic using the latest voice compression algorithm and enhanced QoS management features of AddPac Technologies.

In addition, AP1100 VoIP Gateway can be used in various network environments such as leased line, ADSL, HomePNA, and Cable Modem networking with fixed IP and dynamic IP environments. And VoiceFinder AP1100 VoIP Gateway supports various network protocols such as IP-routing, bridging, PPP, NAT/PAT, and network management features such as SNMP MIB v2, Cisco-style CLI, Web, etc.

This VoIP gateway typically was designed using high-performance 32bit RISC microprocessor based architecture with fixed network interface configuration : dual 10Mbps Ethernet, asynchronous serial port for console, and optional HomePNA interface.
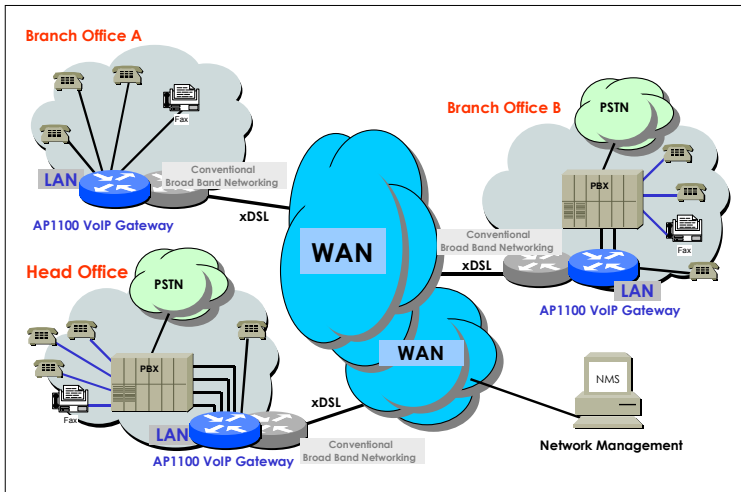
APOS Internetworking Software for AP VoIP Gateway

AddPac VoiceFinder Operating System(APOS) is a best VoIP Gateway and Router software to provide scalability, reliability, stability, and QoS for internetworking solutions. APOS also provides optimized performance and industry standard network functionality with easy-to-use, easy-to-installation, and maintenance.

The AP1100 VoIP Gateway provides best price-performance ratio and effective voice & data networking solution for customer satisfaction.

Product Highlights

- Powerful 32bit RISC Microprocessor Architectures
- Fixed Dual 10Mbps Ethernet Interfaces
- Up to Octal(8) FXS, FXO Voice Interfaces
- Standard High-performance VoIP Gateway for Voice Networking Applications
- Multi-protocol Routing Solutions between WAN and LAN Access with H.323 based VoIP Protocol
- ITU-T H.323 v3 VoIP Protocol with ITU-T H.235 Security Feature
- SIP protocol support compliant with IETF RFC3261 (or RFC2543)
- H.323 and SIP dual stack support
- G.723.1,G.729A,G.711 Voice Compressions
- Support Voice Processing Features - VAD, DTMF,CNG,G.168, and T.38 G3 Fax Relay
- AddPac APOS Internetworking Software to provide Scalability, Functionality, Stability, and QoS Control for AddPac VoIP Gateway
- High-performance IP-Routing Capability with Reliability
- Static, Default IP-Routing and IEEE 802.1Q VLAN Routing Protocols
- Point to Point Protocol for ADSL based Broadband Network
- Enhanced QoS Managements for Voice Traffic
- SNMP MIB v2 for Network Management Features
- Standard & Extended Access List for Security Functions
- Essential Scalability Features such as DHCP Server & Relay, NAT/PAT, IEEE Transparent Bridging, IP Accounting, and Debugging / Diagnostics, etc.
- Remote Software Upgrade using FTP & TFTP
- Graceful Compact Enclosure Design with beautiful color

Network Diagram Using AP1100 VoIP Gateway

Hardware Specification

Microprocessor
- CPU   32bit RISC Microprocessor

Memory
- Flash Memory   4Mbyte
- Main Memory   32M byte High-Speed SDRAM
- Boot Memory   512Kbyte Flash Memory

Network Interface
- Fixed WAN Port   One(1) 10Mbps Ethernet
- Fixed LAN Port   One(1) 10Mbps Ethernet
- Console Port   One(1) RS-232C Interface
- Optional Fixed   One(1) HomePNA Interface
  HomePNA Port

Voice Interface
- FXS Voice Module   Up to 8 Port FXS Voice Channels
- FXO Voice Module   Up to 4 Port FXO Voice Channels

Power & Operation Environments
- Power Requirement   VAC 110~220V, 50/60Hz, 15Watt
- Operating Temperature   0°C to + 45°C (32° to 112°F)
- Storage Temperature   -40°C to + 85°C (-40° to 176°F)
- Relative Humidity   5% to 95% (Non-condensing)

Dimensions
- H X W X D (mm)   50mm X 210mm X 210mm
- Weight(g)   800g

Support Protocols & Services

IP Routing Protocols
- Static and IEEE 802.1Q VLAN Routing

WAN Protocols
- Point-to-Point over Ethernet Protocol for ADSL Networking (PPPoE)
- Dynamic Host Configuration Protocol Networking (DHCP)

Voice over IP Service
- ITU-T H.323 v3 VoIP Protocol with ITU-T H.235 Security Feature
- SIP protocol support compliant with IETF RFC3261 (or RFC2543)
- H.323 and SIP dual stack support
- G.723.1, G.729.A, G.711 Voice Compressions
- Voice Processing Features Supports
  - VAD, DTMF, CNG, G.168 and T.38 G3 FAX Relay
- ITU-T H.323 Gateway, Gatekeeper Support
- Enhanced QoS Management Features for Voice Traffics

Network Managements
- Traffic Queuing
- Standard SNMP Agent (MIB v2) Support
- Remote Management using Console, Rlogin, Telnet
- Web based Managements using HTTP Server

Security Functions
- Standard & Extended IP 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 Supports
  - Password Authentication Protocol (PAP)
  - Challenge Handshake Authentication Protocol (CHAP)

Operation & Managements
- System Performance Analysis for Process, CPU, Connection I/F
- Configuration Backup & Restore for APOS Managements
- Debugging, System Auditing, and Diagnostics Support
- System Booting and Auto-rebooting with Watchdog Feature
- System Managements with Data Logging
- IP Traffic Statistics with Accounting

Other Scalability Features
- DHCP Server & Relay Functions
- Network Address Translation (NAT) Function
- Port Address Translation (PAT) Function
- Transparent Bridging (IEEE Standard) Function
  - Spanning Tree Bridging Protocol Support
  - Remote Bridging Support
  - Concurrent Routing and Bridging Support
- Cisco Style Command Line Interface(CLI)
- Load Balancing Support
- Network time Protocol(NTP) Support
- Remote Upgrade for APOS Management using FTP/TFTP

Ordering Information
- AP1100-01 : AP1100 VoIP Gateway Standard Configuration
  - Two(2) 10Mbps Ethernet, Console
  - 32bit RISC CPU, 4MB Flash, 32MB SDRAM
  - APOS v5.xx with Operation Manual
  - Including CAB-LAN, CAB-CON
- AP1100-02 : 4 Port FXS Interface
- AP1100-03 : 8 Port FXS Interface
- AP1100-04 : 4 Port FXS, 4 Port FXO Interface and
  : 1 Port HomePNA Interface
- CAB-LAN : RJ45 Ethernet Cable
- CAB-CON : RJ45 RS-232C Console Cable

Contact Information

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