AddPac Technology  
Network Equipments Series  

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.
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: 32Mbyte 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 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: 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)
- High-level Data Link Control(HDLC) Protocol
- HDLC Encapsulation (Interoperability with CISCO HDLC)

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

### Voice over IP Service
- 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

### 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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