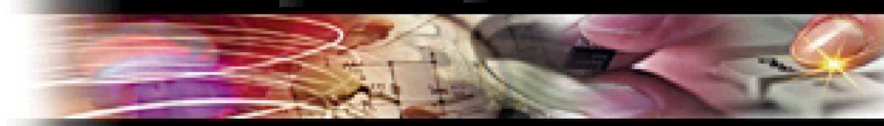


AP190 VoIP Gateway High-performance, Compact Design



AddPac

Product Highlights

- Powerful 32bit RISC Microprocessor Architectures
- Dual 10/100Mbps Ethernet 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, SIP, MGCP Triple stack support
- Diverse Voice Compressions such as G.723.1, G.729A and G.711, etc.
- Support Voice Processing Features
 - VAD, DTMF, CNQ, G.168, and T.38 G3 Fax Relay
- AddPac APOS Internetworking Software to provide Scalability, Functionality, Stability, and QoS Control for AddPac VoIP Gateway
- Static, Default IP-Routing and IEEE 802.1Q Routing Protocols
- Point to Point Protocol for ADSL based Broadband Network
- Enhanced QoS Managements for Voice Traffic
- SNMP v2 for Network Management Features
- Support Web based Management
- 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
- Automatic APOS Image Upgrade Function
- Support Network Time Protocol(NTP)
- Cisco Style Command Line Interface(CLI)
- Graceful Compact Enclosure Design with beautiful color



VoiceFinder AP190 VoIP Gateway

VoiceFinder AP190 VoIP Gateway provides high-performance voice over IP(VoIP) solution including IP-routing services for small enterprise, and other public offices as well as Internet cafe and Internet based cyber apartment. Moreover, VoiceFinder AP190 VoIP Gateway maintains best voice quality under not only high bandwidth traffic but also low bandwidth traffic using the latest voice compression algorithm and enhanced QoS management features of AddPac Technologies. In addition, VoiceFinder AP190 VoIP Gateway can be used in various network environments such as leased line, ADSL, and Cable Modem networking with fixed IP and dynamic IP environments.

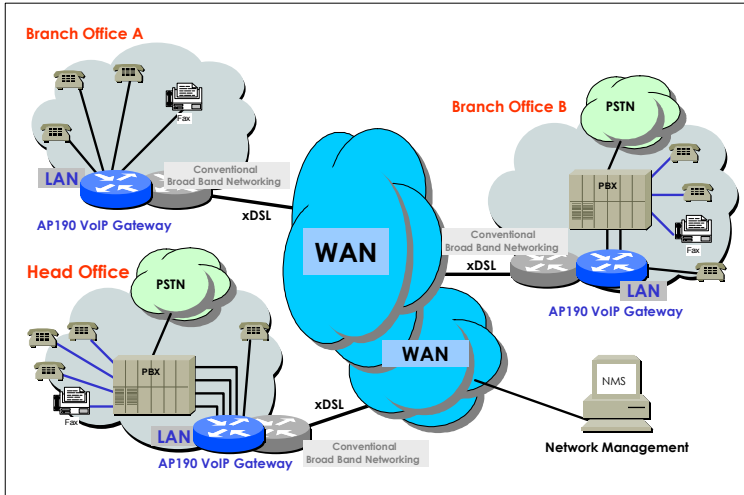
And VoiceFinder AP190 VoIP Gateway supports various network protocols such as IP-routing, bridging, PPP, NAT/PAT, and network management features such as SNMP MIB v2, Cisco-style CLI, Web, etc. This VoIP gateway typically was designed using high-performance 32bit RISC microprocessor based architecture with fixed network interface configuration:

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 AP190 VoIP Gateway provides **best price-performance ratio** and **effective voice & data networking solution** for customer satisfaction.

Network Diagram Using AP190 VoIP Gateway



Hardware Specification

Microprocessor

- CPU 32bit RISC Microprocessor

Memory

- Flash Memory 2Mbyte
- Main Memory 16M byte High-Speed SDRAM

Network Interface

- Fixed LAN Port Two(2) 10/100Mbps Ethernet
- Console Port One(1) RS-232C Interface

Voice Interface

- FXS Voice Module 1 Port FXS Voice Interface
- Optional PSTN Back Up interface 1 Port PSTN Back Up Voice Interface

Power & Operation Environments

- Power Requirement VAC 110~220V, 50/60Hz, 10Watt
- Operating Temperature 0°C to + 50°C (32° to 122°F)
- Storage Temperature -40°C to + 85°C (-40° to 185°F)
- Relative Humidity 5% to 95% (Non-condensing)

Dimensions

- H X W X D (mm) 26mm X 200mm X 137mm
- Weight(g) 400g

Support Protocols & Services

IP Routing Protocols

- Static, Default and IEEE 802.1Q VLAN Routing

WAN Protocols

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

Voice over IP Services

- 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, SIP and MGCP triple stack support
- Diverse Voice Compressions such as G.723.1, G.729, G.711, etc.,
- 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

- AP190 : AP190 VoIP Gateway Standard Configuration
 - One(1) FXS Voice Interface
 - Two(2) 10/100Mbps Ethernet, Console
 - 32bit RISC CPU, 2MB Flash, 16MB SDRAM
 - APOS v5.xx with Operation Manual
 - Including CAB-LAN, CAB-CON
- AP190P - PSTN back-up interface included
- CAB-LAN : RJ45 Ethernet Cable
- CAB-CON : RJ45 RS-232C Console Cable

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