

AP2620 VoIP Gateway

High-performance, Compact Design



AddPac

Product Highlights

- Powerful 32bit RISC Microprocessor Architectures
- Two(2) 10/100Mbps Fast Ethernet for LAN with Two(2) Voice Interface Modules
- FXS, FXO, and E&M Voice Modules for Octal(8) Voice Channels
- Standard High-performance VoIP Gateway for Voice Networking Applications
- G.723.1, G.729A, G.711 Voice Compressions
- Enhanced Voice Quality with G.711PLC
- T.38 Fax Support
- ITU-T H.323 v3 VoIP Protocol with ITU-T H.235 Security Feature
- SIP protocol support compliant with IETF RFC3261 (or RFC2543)
- Supports Triple stack of H.323, SIP and MGCP
- 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
- High-performance IP-Routing Capability with Reliability
- Static, RIP v1/2, OSPF v2 and IEEE 802.1Q VLAN Routing Protocols
- Traffic Queuing, and 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
- Cisco Style Command Line Interface (CLI)
- Standard 19" Rack Mountable Chassis

VoiceFinder AP2620 VoIP Gateway

VoiceFinder AP2620 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 AP2620 VoIP Gateway maintains best voice quality under low speed network using the latest voice compression algorithm and enhanced QoS management features of AddPac Technologies.

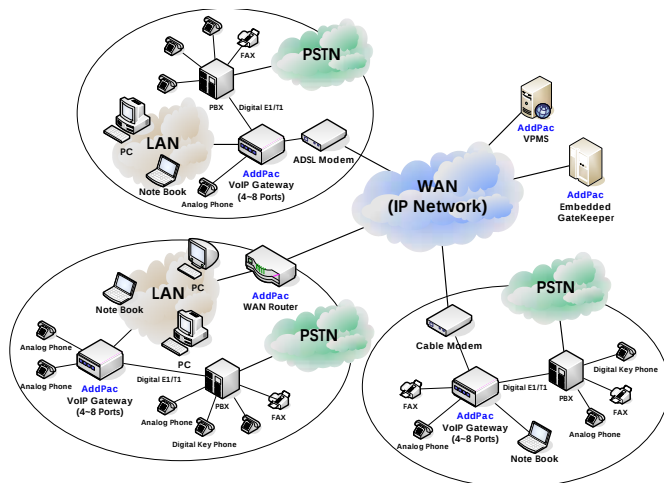
In addition, AP2620 VoIP Gateway can be used in various network environments such as leased line, ADSL, and Cable Modem networking with fixed IP and dynamic IP environments. And VoiceFinder AP2620 supports various network protocols such as IP-routing, bridging, PPP, NAT/PAT, and network management features such as SNMP MIB v2, Cisco-style CLI, web, etc. This VoIP gateway typically was designed using high-performance 32bit RISC microprocessor architecture with fixed network interface configuration: 2-Port 10/100Mbps Fast Ethernet, two (2) module slots for voice Interface, asynchronous serial port for console.

APOS Internetworking Software for AP VoIP Gateway

AddPac PassFinder Operating System (APOS) is best 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 AP2620 VoIP Gateway provides **best price-performance ratio** and **effective voice & data networking solution** for customer satisfaction.

Network Diagram Using AP2620 VoIP Gateway



Hardware Specification

Microprocessor

- CPU High-End PowerPC Microprocessor

Memory

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

Network Interface

- Fixed LAN0 Port One(1) 10/100Mbps Ethernet
- Fixed LAN1 Port One(1) 10/100Mbps Ethernet
- Voice Interface Slot TWO(2) Voice Interface Slots
- Console Port One(1) RS-232C Interface

Voice Interface Modules

- FXS Voice Module 4-Port FXS Voice Interface Module
- FXO Voice Module 4-Port FXO Voice Interface Module
- FXS&FXO Voice Module 2-Port FXS & 2-Port FXO Module
- E&M Voice Module 4-Port E&M Voice Interface Module
- Digital E1 Voice Module 1-Port Digital E1 Module (ISDN-PRI, R2)
- Digital T1 Voice Module 1-Port Digital T1 Module (ISDN-PRI, R2)

Power & Operation Environments

- Power Requirement VAC 110~220V, 50/60Hz, 15Watt
- 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) 44mm X 444mm X 220mm
(19" Rack Mountable Chassis)
- Weight(Kg) 2.7Kg

Support Protocols & Services

IP Routing Protocols

- Static and default Routing
- IEEE 802.1Q VLAN Routing

WAN Protocols

- Point-to-Point over Ethernet Protocol (PPPoE) for ADSL
- 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, G.711PLC 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 and Frame-Relay Flow Control
- 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

- AP2620-01 : AP2620 VoIP Gateway Standard Configuration
 - Two(2) Fast Ethernet, Console
 - PowerPC Microprocessor, 4MB Flash, 32MB SDRAM
 - APOS v5.xx with Operation Manual
 - Including CAB-LAN, CAB-CON
- AP-FXS4 : 4 Port FXS Interface Module
- AP-FXO4 : 4 Port FXO Interface Module
- AP-FXS2FXO2 : 2 Port FXS & 2Port FXO Interface Module
- AP-E&M4 : 4 Port E&M Interface Module
- APVI-1E1 : 1 Port Digital E1 ISDN-PRI Network Module
- APVI-1T1 : 1 Port Digital T1 ISDN-PRI Network Module
- CAB-LAN : RJ45 Ethernet Cable
- CAB-CON : RJ45 RS-232C Console Cable

Contact Information

Web site : <http://www.addpac.com>

E-mail : info@addpac.com

AddPac Technology Co., Ltd.

3F, Jeong-Am Bldg., 769-12, Yeoksam-Dong
Kangnam-Gu, Seoul, 135-080, KOREA
Phone +82 2 568 3848
Fax + 82 2 568 3847

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