AddPac Technology
VoIP Equipments Series

AP1601 VoIP Broadcasting Terminal

High-performance, VoIP Voice Broadcasting Equipment Solution

VoiceFinder AP1601 VoIP Broadcasting Terminal

VoiceFinder AP1601 VBT(VoIP Broadcasting Terminal) provides high-performance VoIP Voice Broadcasting Equipment Solution for remote side with central side AP3120 VoIP Broadcasting System including IP-routing services for bank, Securities, large enterprise, and government. Moreover, the AP1601 VBT 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.

VoiceFinder AP1601 VBT consists of fixed network interface and one(1) analog voice interface slot. The analog voice interface slot is designed to support the various analog line interface modules such as Direct Audio IN/OUT (G.7xx, MP3, etc), FXS, FXO and E&M for satisfying various user requirements. The fixed type network interface supports the 1-Port Fast Ethernet interface and 1-Port Asynchronous interface Port for Console.

In addition, this equipment supports multiple PTP (point-to-point) service method and multicast routing service method using IGMP protocol. VoiceFinder AP1601 VBT is designed to have users the greatest satisfaction with remarkable price versus performance.

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.

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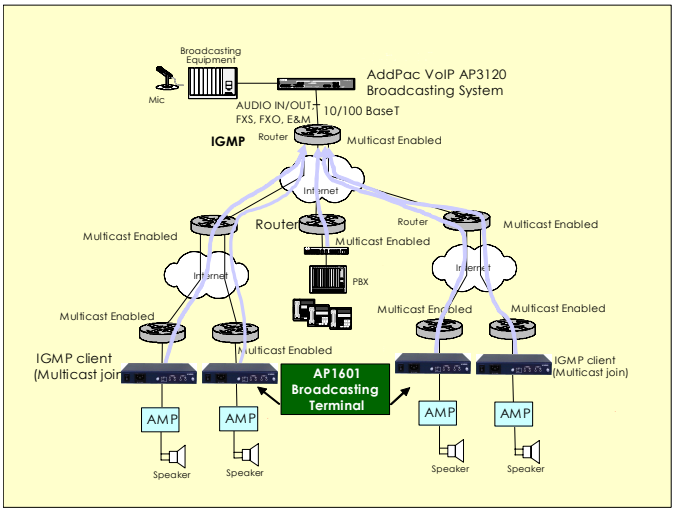
Product Highlights

- High-end 32bit RISC Microprocessor Architecture
- High-performance Modular Architecture
  - Fixed Network Interface
  - One(1) Analog Voice Interface Slot
- Support One(1) 10/100Mbps Fast Ethernet Interface
- Support Audio IN/OUT
- IGMP Multicasting Routing Protocols
- Support Multiple PTP (Point-to-Point) based Voice Broadcasting Service Scheme
- Support Multicast Routing Protocol based Voice Broadcasting Service scheme
- Web based Management using HTTP sever
- Standard SNMP Agent (MIB v2) Support for Network Management
- Multi-protocol Routing Solutions between WAN and LAN Access with H.323 and SIP 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.711Voice Compressions
- Support Voice Processing Features
  - VAD, DTMF,CNG,G.168
- Static, RIP v1/v2, OSPF v2, and IEEE 802.1Q VLAN Routing Protocols
- AddPac APOS Internetworking Software to provide Scalability, Functionality, Stability, and QoS Control
- Remote Software Upgrade using FTP & TFTP
- Cisco Style Command Line Interface(CLI)
- External Power Supply Unit

VoIP Multicasting Service Methods Using AP1601



Hardware Specification

Microprocessor

• CPU	32bit RISC Microprocessor

Memory

• Flash Memory	2Mbyte
• Main Memory	32M bps High-Speed SDRAM
• Boot Memory	512Kbyte Flash Memory

Fixed Network Interface

• Fixed LAN Port	One(1) 10/100Mbps Ethernet Interface
• Fixed Async Serial Port	One(1) Asynchronous Serial Interface

Voice Interface Modules

• Direct Audio In/Out Voice Module	2 Port Direct Audio In/Out Voice Interface

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

• W X D X H (mm)	215mm X 208mm X 36mm

Support Protocols & Services

Routing Protocols

- Static, RIP v1/v2
- OSPF v2, and IEEE 802.1Q VLAN Routing
- IGMP Protocol, Multicasting Join

Voice over IP Service

- Supports VoIP based Voice Multicasting Terminal Function
- Supports Multiple Point-to-Point VoIP based Voice Broadcasting Terminal 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
- Supports the G.723.1, G.729.A, G.711 Voice Compression Algorithms using High Performance DSP
- Voice Processing Features Supports
  - VAD, DTMF, CNG, G.168
- ITU-T H.323 Gateway, Gatekeeper Support
- Enhanced QoS Management Features for Voice Traffics
- IP packet filtering function

Network Managements

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

Security Functions

- Standard & Extended IP Access List
- Enable/Disable for Specific Protocols
- Multi-Level User Account Management
- Auto-disconnect for Telnet/Console Sessions

Other Scalability Features

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

Ordering Information

- AP1601-01 : AP1601 VoIP broadcasting Terminal Standard Configuration
  - Fixed Network Interface, One(1) Voice Interface Slot
  - One(1) Serial(WAN),One(1) Fast Ethernet,Console
  - 32bit RISC CPU, 2MB Flash, 32MB SDRAM
  - APOS v5.xx with Operation Manual, External Power Supply Unit
  - Including CAB-LAN, CAB-CON
- AP-2AU : Two(2)-Port Direct Audio In/Out Voice Interface Module
- CAB-LAN : RJ45 LAN Cable
- CAB-CON : RJ45 Serial Console Cable

Contact Information

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