

AddPac GSM VoIP Gateway AP-GS916



VoiceFinder AP-GS916 16-Port GSM VoIP gateway provides high-performance IP to GSM gateway solution including IP-routing services for small enterprise, and other public offices. This product uses the state-of-art technology voice compressed algorithm and unique QoS algorithm of AddPac to maintain the maximum voice quality under fast internet line and slow internet line as well. This product is designed based on high performance RISC CPU + DSP structure; supports upgraded speed, the best quality product, offers various user-friendly functions, manufactured at low cost and this product gives high performance for its price. AddPac AP-GS916 is a device that can support GSM gateway service (Internet->GSM). It also supports SIP, H.323 dual VoIP signaling protocol, various voice codec support(G.711, G.726, G.729, G723.1), Four(4) module slots for 4-Port GSM module, two(2) fast ethernet ports, 1-port RS232C console and state-of-art technologies and services. VoiceFinder AP-GS916 GSM Gateway supports two(2) 10/100 Base-T fast Ethernet Interface ports and provides stabilized leased line environment, ADSL environment, cable modem environment, fixed IP Address,

supports all flow IP environment so that it can be selected in accordance with user environments. Moreover, AP-GS916 supports the VTO(VoIP Traffic Optimizer) Service Client Function beside GSM VoIP Gateway Service. AddPac VTO service is a high performance VoIP Traffic Optimization service which can reduce bandwidth usage in VOIP call termination. This means that call termination service provider can deliver improved VoIP calling service with much lower VoIP traffic cost. Also, AddPac VTO service supports the VoIP anti-blocking service features and can help to provide mobile VoIP termination service in locations where VoIP service is completely blocked. In addition to basic VoIP Traffic Optimization service features, AddPac VTO service supports real-time VoIP traffic monitoring service such as VoIP packet loss rate, up/down link status, etc in between VTO server and VTO client site each. This can help to provide real-time VTO technical support service AddPac VTO service is very easy to use because AddPac GSM VoIP gateway provides the VTO client service features internally besides GSM VoIP gateway service features. This means there is no need an external Linux server for VTO service and complex installation procedure. User just does new firmware upgrade for AddPac GSM gateway VTO client package. GSM VoIP gateway service concept supporting VTO client service is a new architecture and design concept. This concept reduces the hop count and enhances the VoIP QoS like as jitter, delay. As a result, this architecture increases the ASR, ACD that are most important factors in call termination service area.

Major Feature

Overall Features

- > VTO(VoIP Traffic Optimizer) + GSM Gateway Hybrid Architecture
- > AddPac VTO(VoIP Traffic Optimizer) Service Client : VTO Plug & Play Service, Anti-VoIP Block, Bandwidth Compression, VoIP Traffic Monitoring (Packet loss, round-trip time), etc
- > Renew the Main Window
- > Mobile Statistics Display using Graph Chart (ASR, ACD, etc)
- > Several Enhancements for ASR Improvement (zombie call, etc)
- > Powerful RISC Microprocessor + DSP Architectures
- > Two(2) 10/100Mbps Fast Ethernet Interfaces for WAN,LAN
- > Maximum 16-Port GSM Interface Support (Four(4) Module Slots)
- > 4-Port GSM Module Hardware Architecture
- > IMEI change, BTS Selection, Remote SIM Server Support
- > 1-Port RS-232C Console Interface for CLI
- > SIP protocol support compliant with IETF RFC3261 (or RFC2543)
- > Supports dual VoIP signaling stack of H.323 and SIP
- > APOS Internetworking Software to provide Scalability, Functionality, Stability, and QoS Control for AddPac VoIP Gateway
- > High-performance IP-Routing Capability with Reliability
- > Enhanced QoS Managements for Voice Traffic
- > SNMP MIB v2 for Network Management Features
- > 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



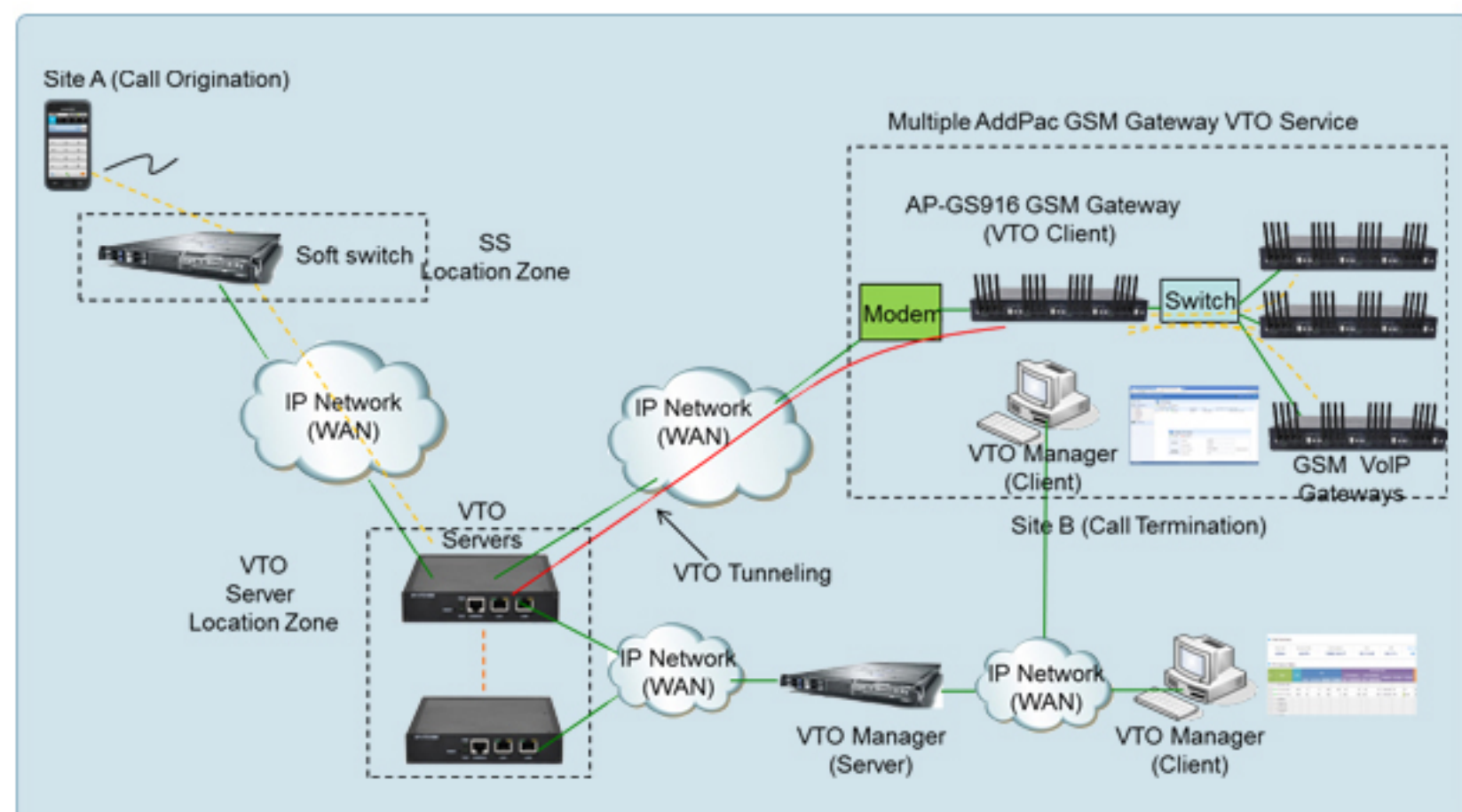
VTO Service Lists

VTO Service List	Description
VoIP Traffic Compression Service	Proprietary Algorithm
VoIP Anti-Block Service	Proprietary Algorithm
Plug & Play VTO Service	No Need Linux Server for VTO Client AddPac GSM Gateway support VTO Client.
VoIP Traffic Monitoring Service	To Termination : Raw Data, Compressed Data, Packet Loss From Termination : Raw Data, Compressed Data, Packet Loss Round-Trip Delay CDR Information : No Need Soft-switch for CDR
VoIP Traffic Call Re-Routing Service	VTO Server Interworking with GSM Gateway (SIM Block, GSM Port Fault, etc)
GSM Gateway Web Connection Service*	Remote Access Control Service for AddPac GSM Gateway Management, No Need Team Viewer

Hardware Specification

Model	AP-GS916
Available Modules	AP-N1-GSM4I
GSM Channel	Up to 16 Ch.
GSM Antenna	Four(4) / 4 Channel GSM Module (AP-N1-GSM4I)
Module Slot	Four(4) Module Slots for GSM
LAN Port	2
Console	1
Power	Single PSU

Network Diagram



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