VTO(VoIP Traffic Optimizer) Service Solution

AddPac VTO service is a high performance VoIP Traffic Optimization service which can reduce bandwidth usage in VOIP call termination up to 80%. This means that call termination service provider can deliver improved performance of their 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.
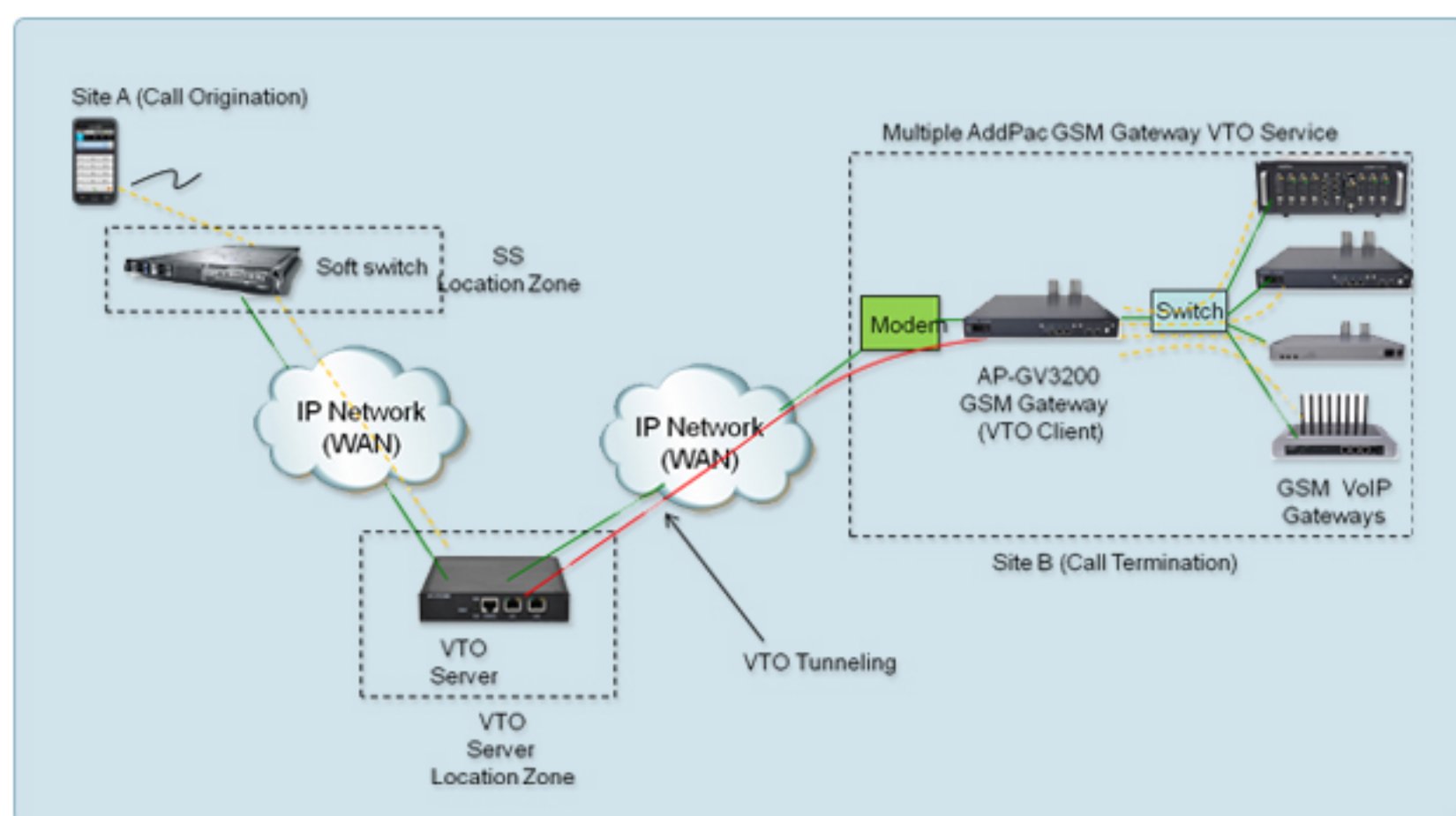
Major Feature

Overall Features

> GSM VoIP Gateway + VoIP Traffic Optimization Service
> VoIP Anti-Block Service
> Embedded H/W platform with Real-time OS
> Multiple VoIP Equipment Support for Efficiency Increasing
> Various VoIP Codec Support
> Various Different Internet Environment Support
> Various VoIP Equipment Vendor Support
> Compact Size and Low Power Consumption compare with Commercial Server
> NAT and Firewall Support
> Advanced QoS Algorithm for Jitter, Delay
> Improves ASR, ACD value
> VTO Server & Client Architecture for VTO service
> VTO Manager Software Architecture (Server & Client)
> User Friendly VTO Management Software with options like managing call capacity, endpoints, view CDR, active calls etc.
> VoIP Traffic Optimization efficiency increases with increase of concurrent calls
> Real-time VoIP Packet Loss Rate Monitoring

Network Diagram

Currently Available GSM VoIP Gateways for VTO Client Service

Model	AP-GV3300	AP-GV3200	AP-GV3100
Available Modules	AP-N5-GSM8UI AP-N5-GSM8I AP-N5-GSM8SI AP-N5-1E1/T1 AP-N5-2E1/T1	AP-N5-GSM8UI AP-N5-GSM8I AP-N5-GSM8SI AP-N5-1E1/T1 AP-N5-2E1/T1	AP-N5-GSM8UI AP-N5-GSM8I AP-N5-GSM8SI
GSM Channel	Up to 48 Channel	Up to 40 Channel	Up to 32 Channel
Module Slot	Six(6) Module Slots for GSM,E1/T1 Module, etc	Five(5) Module Slots for GSM,E1/T1 Module, etc	Four(4) Module Slots for GSM Module, etc
LAN Port	2	2	2
Console	1	1	1
Power	Single PSU	Single PSU	Single PSU

Model	AP-GS1016	AP-GS916	AP-GS716	AP-GS516
Module Type : Available Modules	AP-N5-GSM8UI AP-N5-GSM8I AP-N5-GSM8SI	AP-N1-GSM4I	N/A	N/A
GSM Module Vendor	Wavecom (Sierra)	Up to 16 Channel	Wavecom(Sierra)	UBlox
GSM Channel	16-Port	Quad(4)	16-Port	16-Port
IMEI change	Support : Multiple Change	Four(4) Module Slots for 4-Port GSM VoIP Interface Module	Support : Multiple Change	Support : One Time Change
Auto BTS	Support	2	N/A	N/A
SIM Client for Remote GSM SIM Server	Support	1	N/A	N/A
External Antenna	16 ea	Single PSU	16 ea	16 ea
VoIP Codec	G.711, G.729, G.723.1,etc		G.711,G.729,G.723.1,etc	G.711, G.729, G.723.1,etc

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