

GSM Gateway VoIP Traffic Optimizer Client

High-performance VoIP Traffic Optimizer Client Solution



AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

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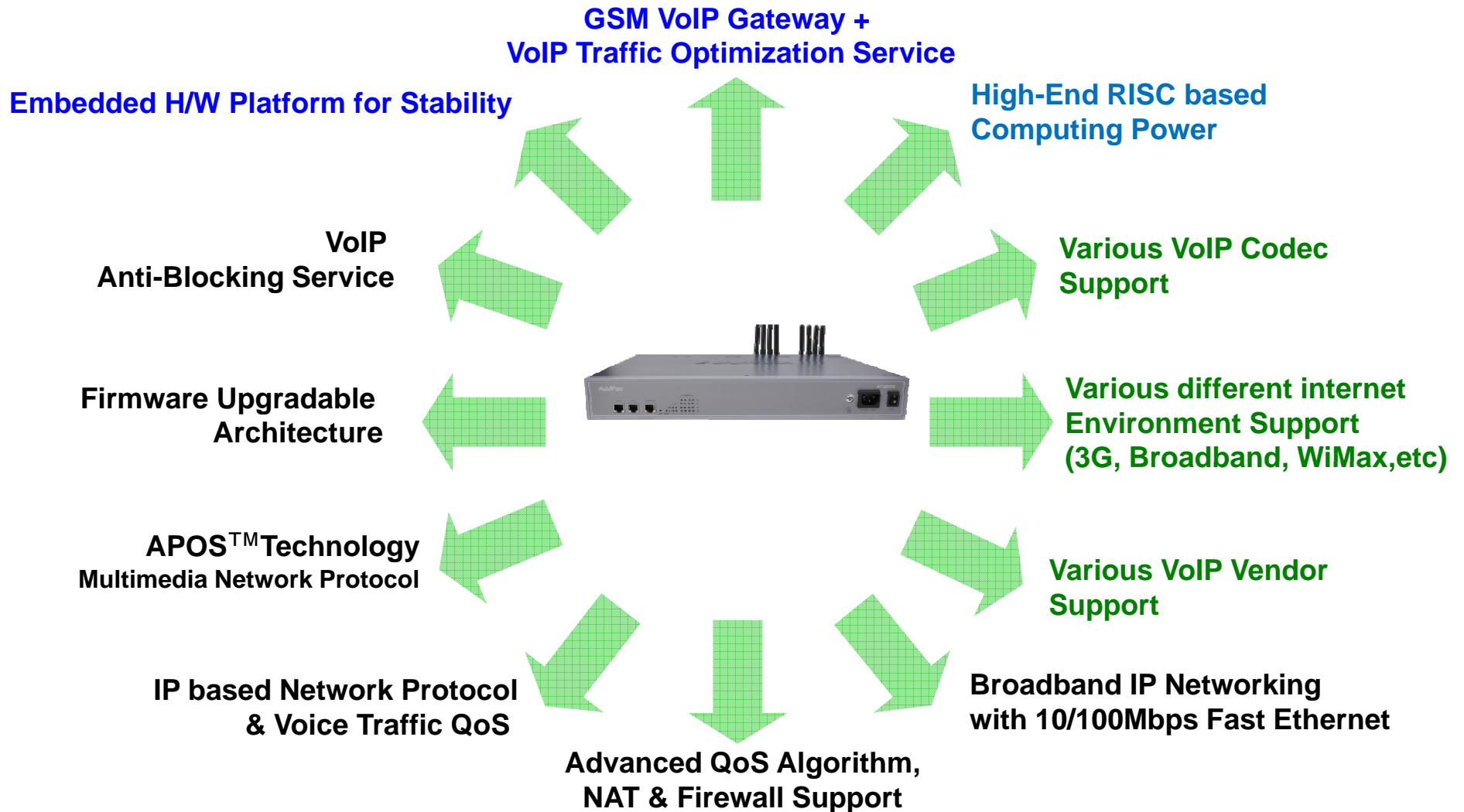
Product Overview

GSM Gateway VoIP Traffic Optimizer Client

- High Performance GSM VoIP Service + VTO(VoIP Traffic Optimizer) Solution
- Real-Time Operating System for VTO Service
- VTO Server & Client Architecture
- Bandwidth Usage Reduction Scheme for VoIP Call Termination
- Support various VoIP codecs like as G.729, G.723.1, G.711, etc
- Support various different internet network like as 3G, WiFi, WiMax, Broadband, etc
- Support various VoIP Equipment like as PSTN(Analog, Digital), GSM, CDMA, 3G, etc
- NAT and Firewall Support
- Multiple VoIP Equipment Support for bandwidth saving efficiency
- Transmit Scheduling Support for Jitter Control
- VoIP Anti-Block Service

Product Highlights

GSM Gateway VoIP Traffic Optimizer Client



Benefits and Features





GSM Gateway VoIP Traffic Optimizer Client

- 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
- Compact Size and Low Power Consumption compare with Commercial Server
- NAT and Firewall Support
- Advanced QoS Algorithm
- VTO Server & Client Architecture
- VTO Service Manager Software (Server & Client)
- User Friendly VTO Management Software with options like managing call capacity, endpoints, view CDR, active calls etc.
- Real-time VoIP Packet Loss Rate Monitoring

GSM Gateways for VTO Client Service

GSM Gateway VoIP Traffic Optimizer Client







High-end
RISC

Model	AP-GS2500	AP-GS3000	AP-GS4500	AP-GS5000
				
Available Modules	AP-N1-GSM4 AP-N1-FXS8 AP-N1-FXO8 AP-N1-FXS4O4 AP-N1-E1	AP-N1-GSM4 AP-N1-FXS8 AP-N1-FXO8 AP-N1-FXS4O4 AP-N1-E1	AP-N1-GSM8 AP-N1-FXS8 AP-N1-FXO8 AP-N1-E1 AP-N1-2E1	AP-N1-GSM8 AP-N1-FXS8 AP-N1-FXO8 AP-N1-E1 AP-N1-2E1
GSM Channel	Up to 16 Ch.	Up to 36 Channel	Up to 64 Channel	Up to 80 Channel
GSM Antenna	One(1) / 4 Channel GSM Module (AP-N1-GSM4)	One(1) / 4 Channel GSM Module (AP-N1-GSM4)	Two(2) / 8 Channel GSM Module(AP-N3-GSM8)	Two(2) / 8 Channel GSM Module(AP-N1-GSM8)
Module Slot	Four(4) Module Slots for GSM	Nine(9) Module Slots for GSM, E1/T1 Module Slot	Eight(8) Module Slots for GSM, E1/T1 Module Slot	Ten(10) Module Slots for GSM, E1/T1 Module Slot
LAN Port	2	2	2	2
Console	1	1	1	1
Power	Single PSU	Single PSU	Single PSU	Dual PSU (module)

GSM Gateways for VTO Client Service

GSM Gateway VoIP Traffic Optimizer Client





High-end
RISC

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

GSM Gateways for VTO Client Service

GSM Gateway VoIP Traffic Optimizer Client




High-end
RISC

Model	AP-GS1016	AP-GS916	AP-GS716	AP-GS516
				
Module Type : Available Modules	AP-N5-GSM8UI AP-N5-GSM8I AP-N5-GSM8SI (8 channel module)	AP-N1-GSM4I AP-N1-GSM4UI (4 channel module)	N/A	N/A
Module Slots	2	4	N/A	N/A
GSM Channel	16-Port	16-Port	16-Port	16-Port
IMEI change	Support : Multiple Change	Support : Multiple Change	Support : Multiple Change	Support : One Time Change
Auto BTS	Support	Support	N/A	N/A
SIM Client for Remote GSM SIM Server	Support	Support	N/A	N/A
External Antenna	16 ea	16 ea	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	G.711, G.729, G.723.1,etc

GSM Gateways for VTO Client Service

GSM Gateway VoIP Traffic Optimizer Client

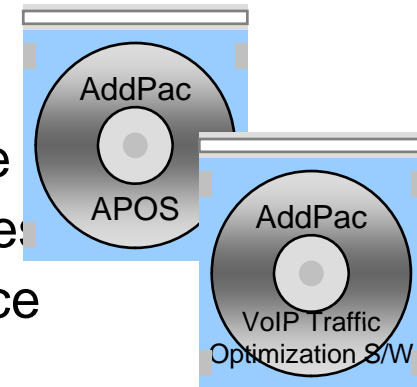
High-end
RISC

Model	AP-GS708W 	AP-GS708S 	AP-GS708 
GSM Channel	8-Port	8-Port	8-Port
IMEI change	Support : Multiple Change	Support : Multiple Change	Support : One Time Change
Auto BTS	Support	N/A	N/A
SIM Client for Remote GSM SIM Server	Support	N/A	N/A
External Antenna	8 ea	8 ea	8 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

Software Service

GSM Gateway VoIP Traffic Optimizer Client

- Built-in AddPac APOS Internetworking Software
 - Scalability, Functionality, and Stability Features
 - Voice Traffic QoS Control
- Firmware Upgradeable RISC Computing Architecture
- Industry Standard IP based Network Protocol Features
- GSM VoIP Service + VoIP Traffic Optimization Service
 - Server and Client Architecture
 - Advanced QoS Algorithm
 - NAT and Firewall Support
 - Multiple VoIP Equipment Support
- VoIP Anti-Block Service



VTO Service Diagram

GSM Gateway VoIP Traffic Optimizer Client

Site A (Call Origination)



Network Diagram

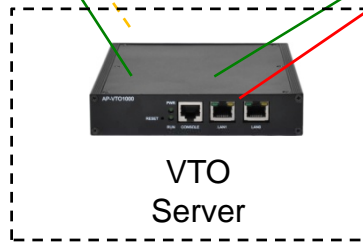


Soft switch

SS
Location Zone

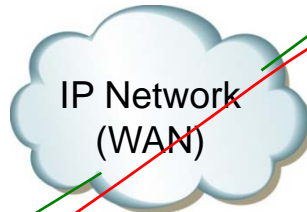


IP Network
(WAN)

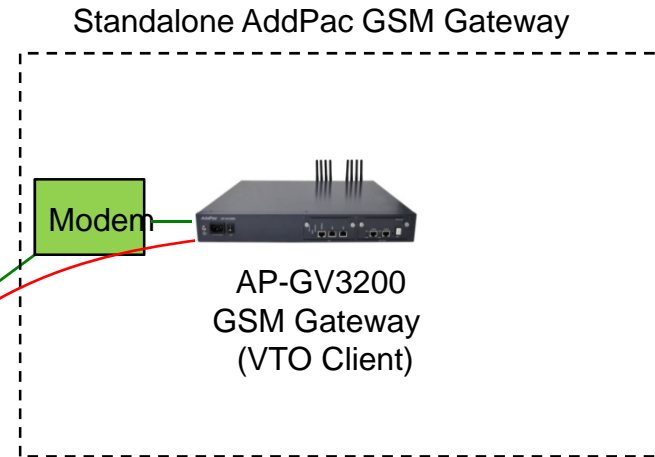


VTO
Server

VTO
Server
Location Zone



IP Network
(WAN)



Modem

AP-GV3200
GSM Gateway
(VTO Client)

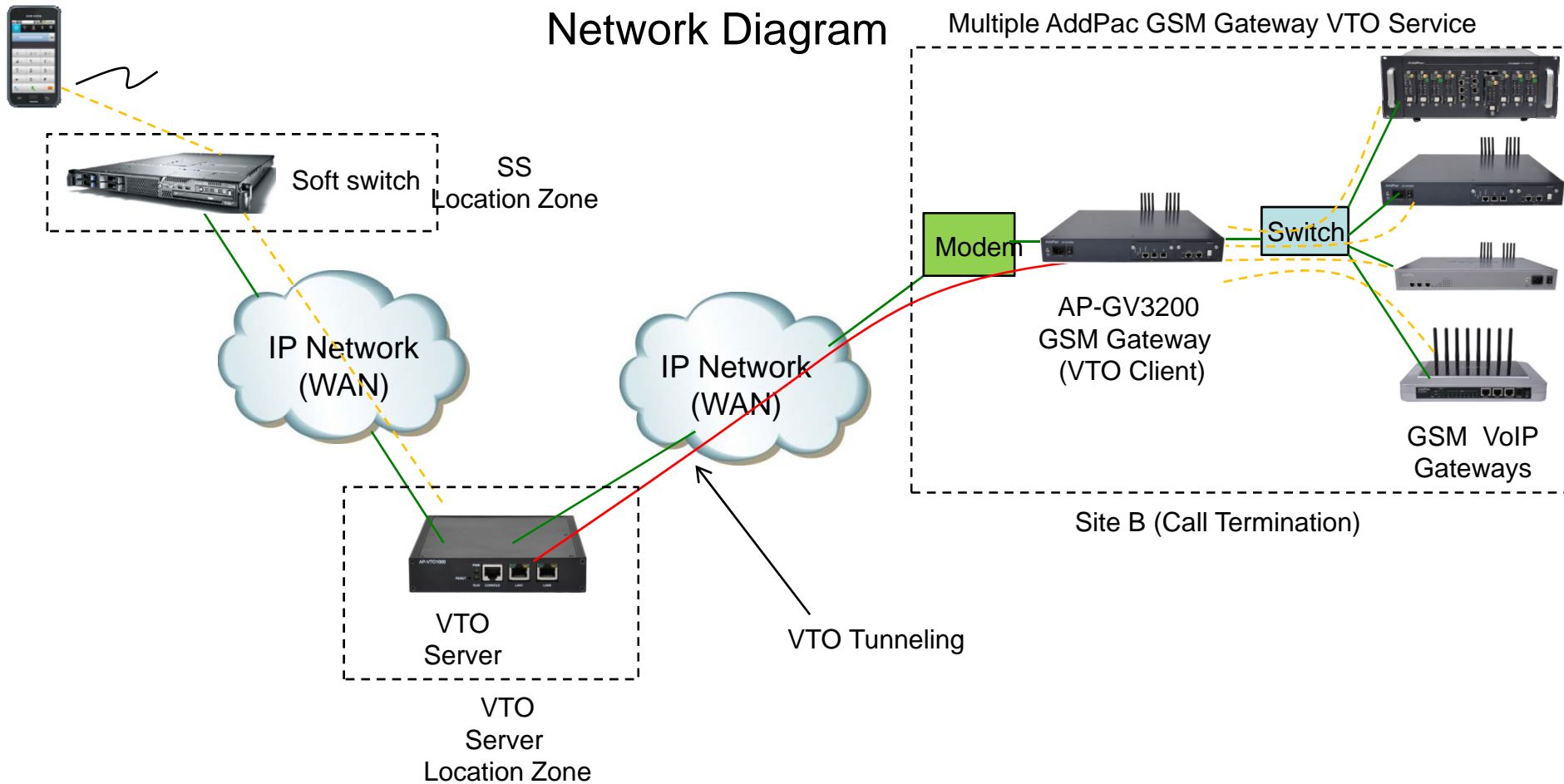
Site B (Call Termination)

VTO Tunneling

VTO Service Diagram

GSM Gateway VoIP Traffic Optimizer Client

Site A (Call Origination)



Network Service and Features

GSM Gateway VoIP Traffic Optimizer Client

- Network Managements
 - Standard SNMP Agent (MIB v2) Support
 - Remote Management using Console, Telnet
 - Web based Management using HTTP Server Interface
- Security Functions
 - Standard & Extended IP Access List
 - Enable/Disable for Specific Network Protocols
 - Multi-level User Account Management
 - Auto-disconnect for Telnet/Console Sessions
 - PPP User Authentication Supports (PAP & CHAP)
- Operation & Managements
 - System Performance Analysis for Process, CPU, Connection Interface
 - Debugging, System Auditing, and Diagnostics Support
 - System Booting and Auto-rebooting with Watchdog Feature
 - System Managements with Data Logging
 - IP Traffic Statistics with Accounting

Network Service and Features

GSM Gateway VoIP Traffic Optimizer Client

- 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)
 - Network time Protocol (NTP) Support



Thank you!

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