

32-Port Multisim GSM Gateway Solution



AddPac 32-Port Multi-SIM GSM Gateway solution provides AP-GS3200 Front SIM type Multisim GSM Gateway and AP-GS3000 Multisim GSM Gateway. AP-GS3200 GSM Gateway supports Front SIM Type Multi-SIM GSM VoIP Module like as AP-GSM4SF. This Front SIM Type GSM Multi-SIM VoIP Modules can be installed in next generation AddPac Front SIM Type GSM Gateway Hardware Platform such as AP-GS3200, AP-GS3100, etc. AP-GSM4SF GSM VoIP Module is a new Front SIM Type 4-Port GSM Module (8 SIM card slots per GSM Port) for GSM Call Termination Service. This GSM VoIP Module supports Quad-Band (850/900/1800/1900MHz) GSM frequency, Eight(8) SIM card slots per GSM port, Hot-Swap Switch Button, One(1) GSM Antenna Interface. This GSM module has thirty-two(32) GSM SIM card slots. Also this module supports the Voice DSP for GSM call termination service based on VoIP Technology. AP-GS3000 32-Port Multi-SIM GSM Gateway supports various Multi-SIM GSM VoIP Modules like as AP-N1-GSM4S8, AP-N1-GSM4S4, etc. AP-N1-GSM4S8 GSM VoIP

Module is a new 4-Port GSM Module (8 SIM card slots per GSM Port) for GSM Call Termination Service. This GSM VoIP Module supports Quad-Band (850/900/1800/1900MHz) GSM frequency, Eight(8) SIM card slots per GSM port, Hot-Swap Switch Button, One(1) GSM Antenna Interface. This GSM module has thirty-two(32) GSM SIM card slots internally. Also this module supports the Voice DSP for GSM call termination service based on VoIP Technology. AP-N1-GSM4S4 GSM VoIP Module is a new 4-Port GSM Module (4 SIM card slots per a GSM Port) for GSM Call Termination Service. This GSM VoIP Module supports Quad-Band (850/900/1800/1900MHz) GSM frequency, Four(4) SIM card slots per a GSM port, Hot-Swap Switch Button, one(1) GSM Antenna Interface. This GSM module has sixteen(16 = 4x4) GSM SIM card slots internally. Also this module supports the Voice DSP for GSM call termination service based on VoIP Technology. 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

- AddPac VTO (VoIP Traffic Optimizer) Service Client : VTO Plug & Play Service, Anti-VOIP, 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)
- Human Behavior Call Pattern Modeling Algorithm for Anti-SIM Block
- IMEI change, BTS Selection, etc
- Powerful RISC Microprocessor + DSP Architectures
- High Performance GSM Modular Architecture
- Two(2) 10/100Mbps Fast Ethernet Interfaces for WAN, LAN
- 32-Port GSM Interface Support
- 1-Port RS-232C Console Interface for CLI
- SIP protocol support compliant with IETF RFC3261 (or RFC2543)
- H.323 and SIP Dual Stack
- APOS Internetworking Software to provide Scalability, Functionality, Stability, and QoS Control for AddPac VoIP Gateway
- Static, Default IP-Routing and IEEE 802.1Q VLAN Routing Protocols
- 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



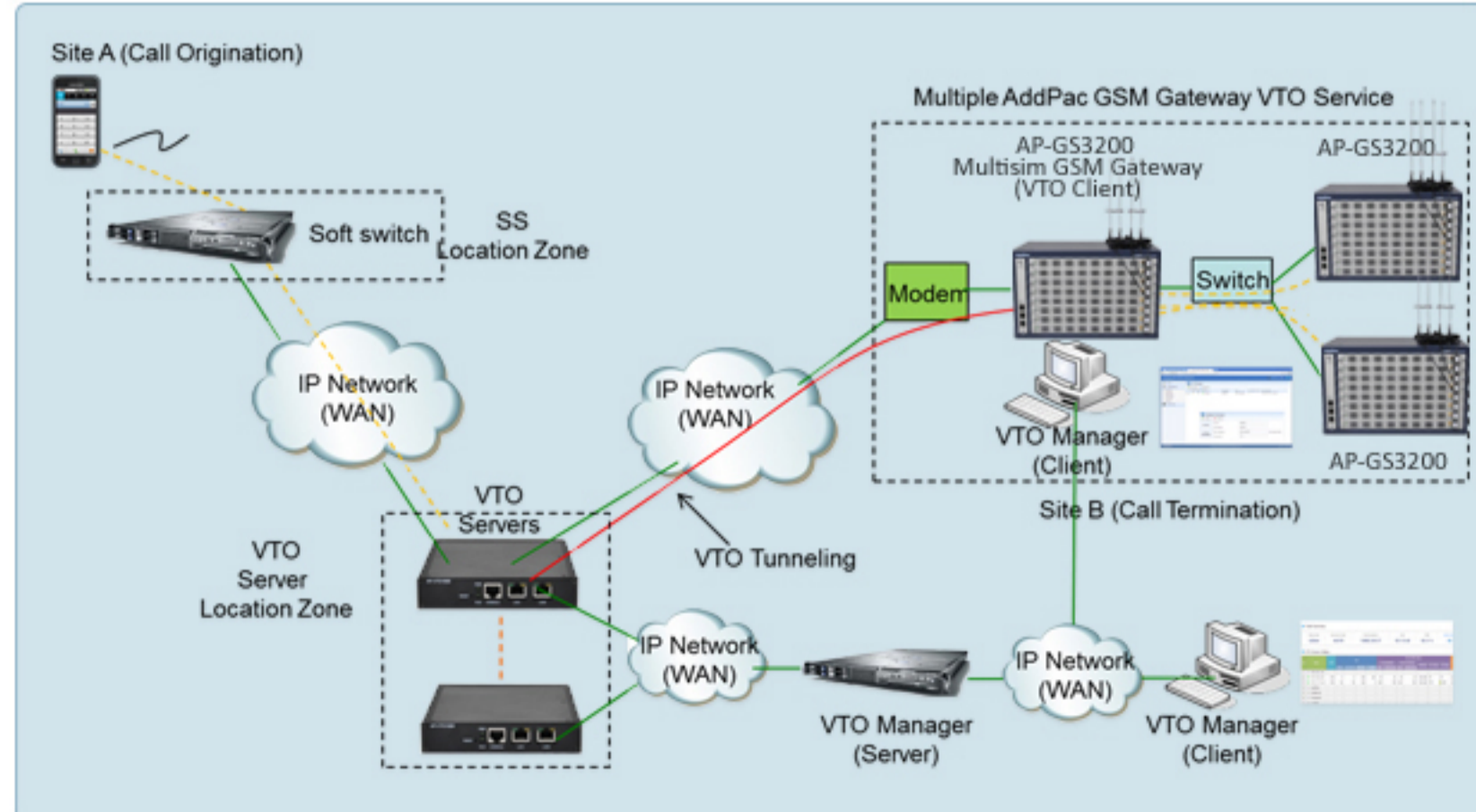
Octal(8) Multi-SIM GSM VoIP Module

Model	AP-GSM4S8F	AP-GSM4S8
Available Target	AP-GS3200 (32 Port) AP-GS3100 (16 Port)	AP-GS3000 (36 Port) AP-GS916(16Port)
GSM Channel	4-Port	4-Port
SIM Card Slots	8 SIM Card Slots/a GSM Port Total = 8 x 4 = 32	8 SIM Card Slots/a GSM Port Total = 8 x 4 = 32
External Antenna	1 (Internal Antenna Combiner)	1 (Internal Antenna Combiner)
Hot-Swap	Support	Support
VoIP Codec	G.711, G.729, G.723.1, etc	G.711, G.729, G.723.1, etc

32-Port Multi-SIM GSM Gateway Comparison Table

Model	AP-GS3000	AP-GS3200
Multi-SIM GSM Modules	AP-GSM4S8 : Octal(8) Multisim GSM Module	AP-GSM4S8F : Front-SIM Type Octal(8) Multisim GSM Module
GSM Channel	Up to 36 Ch.	Up to 32 Ch.
GSM Antenna	One(1) / 4 Channel GSM Module	One(1) / 4 Channel GSM Module
GSM Module Slots	Nine(9) Module Slots for GSM	Octal(8) Module Slots for GSM
CPU Module	Support	Support
LAN Port	2	2
Console	1	1
Power	Single PSU	Single PSU

Network Diagram



Relative Youtube



32-Port Multisim GSM Gateway Solution



32-Port Multisim GSM Gateway AP-GS3200

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