GSM Gateway

*astTECS® GSM VoIP Gateways are purpose built to perform essential GSM VoIP Functions. Optimized for maximum performance and feature integration, *astTECS® Gateways are designed on top of the robust Open Source VoIP Platforms. It is full interoperability with all PBXs, soft-switches and SIP-based environment.

As VoIP requirements continue to evolve, the processing and I/O requirements for various network devices will also evolve. To meet the demands of ever changing scalability requirements the *astTECS® gateways leverage the reliability of Asterisk which is custom built for Telephony Applications.

Product Variant:

- 4 Ports GSM VoIP Gateway
- 8 Port GSM VoIP Gateway
- 32 Ports GSM VoIP Gateway

Key Features

- 4/8/32 GSM/CDMA/WCDMA Channels
- API for SMS Sending and Receiving
- GSM: Quad-band 850/900/1800/1900MHz
- USSD, Open API for SMS/USSD
- PSTN and VoIP Hotline
- BCCH
- Up to 4/ 8/ 32 Concurrent Calls
- PIN Code Management
- Flexible Dial Rules and Manipulation Rule

Voice Capability

- G.711A/U law, G.723.1, G.729A/B
- Silence Suppression & Detection
- Comfort Noise Generation(CNG)

- Voice Activity Detection(VAD)
- Echo Cancellation(G.168)
- Adaptive (Dynamic) Jitter Buffer
- Call Progress Tone Generation
- Programmable Gain Control

Physical Interfaces

- SIM Card Slot: 4/8/32 Channels
- Ethernet Interface: 2 LAN 10/100M
- Base-Tx RJ45
- Console: 1* RS232 115200bps
- Antennas Connectors: SMA
- LED Indicators: PWR, RUN, Signal
- Strength, On/Off- hook
- Reset Button
- SIM Card Installation Local

SIP Characters

- SIP V2.0 RFC3261
- SDP RFC2327

- Session Timer RFC4028
- RTP/RTCP RFC3551
- SIP Registration
- SIP Trunk (Peer Mode)
- SIP Trunk Group
- Ringback (Immediately, Alerting)
- Configurable SIP Release Code
- Outbound Proxy
- DTMF Mode: Signal/RFC2833
- NAT Traversal Dynamic NAT, Static NAT, STUN

Mobile Feature

- Frequency Range: GSM: 850/900/1800/1900MHz
- SMS/SMSC/USSD
- SMS Coding/Decoding: ASCII/UCS2
- Open API Protocol
- PIN Code Management
- Call Duration Limitation for SIM
- Card/Single Call
- Polarity Reversal
- Answer Delay (CDMA)
- Carrier Selection (GSM)
- Caller ID Restriction for Outgoing Call
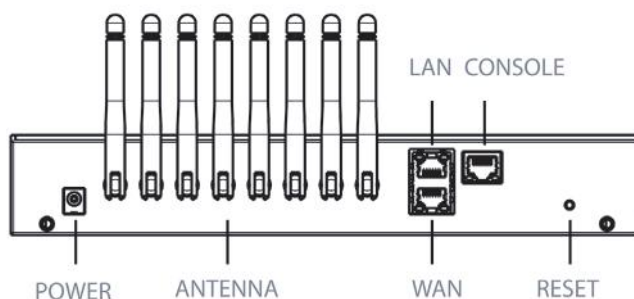- BCCH Management
- Call Waiting
- Call Forwarding

Maintain & Upgrade

- Web Based Configuration

- Telnet Configuration
- Configure Backup/Restore
- Support English and Spanish language
- Firmware upgrade by HTTP/TFTP
- Web Login Password Modify
- Factory Reset
- CDR (10000 Lines CDRs Storage Locally)
- Output CDR via CSV Format
- Syslog
- Ping and Traceroute Test
- Traffic statistics: TCP,UDP,RTP
- VoIP Call Statistics
- PSTN Call statistics
- System Logs

Network Protocol

- IP v4, UDP / TCP, DHCP, FTP / TFTP NTP
- Open VPN PPTP
- Encryption: RC4,MD5 (Coming Soon)
- IP v6 (Coming Soon)
- HTTP, Telnet

About *astTECS®:

*astTECS® is leader in end to end unified communications, offering wide range of cutting edge enterprise telecom products based on open source technology. We also provides world class 24X7 support to global customers through our in-house Global Support Management Center (GSMC).

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