

Aruhat's TeleOSS SMS Gateway is an enterprise grade platform providing fast, secure and reliable SMS delivery for A2P SMS traffic. Cost effective solution, with exhaustive features to enable operations and scale business.

Technical Specifications

<p>Account management</p>	<p>Protocols: SMPP</p> <ul style="list-style-type: none"> - Inbound connection wise live SMPP traffic monitoring graph - Support long SMS through/without payload in SMPP inbound - Normal and unicode SMS - Support short and long GSM7 - Reports: Socket Detail Report, Session Log Report, - Failed Session Attempts Summary, Failed Session Attempts Log
<p>Account types</p> <ul style="list-style-type: none"> - Bulk SMS users - Resellers - Enterprise staff 	<p>Excel Plug-in</p> <ul style="list-style-type: none"> - Branding - Account configuration - Send message with message templates & brand signature via multiple sender IDs - Send Custom Messages by selecting Rows & Columns (fields)
<p>Interfaces</p> <ul style="list-style-type: none"> - Bulk SMS user panel - Whitelabel reseller panel - Administration panel 	<p>Messages</p>
<p>Bulk SMS user panel</p> <ul style="list-style-type: none"> - User activity dashboard - Address book with bulk import - Group & bulk messaging - Alphanumeric sender ID (fixed & dynamic sender ID) - SMS scheduler - Delivery reports - MIS reports - 3rd party integration using HTTP & XML - Bulk messaging from excel - Normal and unicode messaging 	<p>SMS Messages</p> <ul style="list-style-type: none"> - Multilingual SMS support with industry standard Unicode (UTF-8) format compliance - Message type supp text, binary, - Normal and Multiple SMS character sets (7-bit, 8-bit, Unicode/UCS2) - Concatenated messages (optional truncate or reject) - Automatic or manual TON / NPI configuration - Normal and unicode Flash messaging"
<p>Service Management</p>	<p>Message flow</p> <ul style="list-style-type: none"> - Message throttling per connector and per user - Customizable retry schemes - Message priority and queue priority - Keyword session support - Message balance management - Unified error code mapping - Generate delivery reports - Manage transactional template
<p>Services Supported</p> <ul style="list-style-type: none"> - SMS - Email - Short Code/Long Code 	<p>Routing</p> <ul style="list-style-type: none"> - Flexibility to define rule based routing based on various criteria of <ul style="list-style-type: none"> - Customer's service plan - Sender ID - Source and destination numbers - Customer - Outbound vendor - Combination of above - Auto reconnection and re-routing mechanism to manage peak hour traffic or link failover.
<p>Outbound Connection (Connection renamed as Outbound Connection)</p> <ul style="list-style-type: none"> - N number of simultaneous service provider connections - Static connections - Configurable keepalives - Configurable idle timeout - Outbound fail-over and load balancing - Asynchronous operation / windowing - Configurable source port - Timezone management to manage Offset time and DR receipt time difference 	<p>Email support</p> <ul style="list-style-type: none"> - SMS to Email and Email to SMS support - SMTP Protocol - User Interface for configuration
<p>Communication Protocols</p> <ul style="list-style-type: none"> - GSM modem - SMPP 3.3 / SMPP 3.4 - HTTP Server - HTTP Client - SMTP - Parlay X - Configurable to handle protocol variations 	<p>Rating</p>
<p>Inbound connections</p> <p>Protocols: HTTP</p> <ul style="list-style-type: none"> - Delivery reports - User wise & service wise connection allocation - Normal and unicode SMS - Support short and long GSM7" 	<p>Product Catalog</p> <ul style="list-style-type: none"> - Bundle service QoS and rating - Configurable priority and queuing parameters to handle SMS traffic - Define destination based rates - Time duration specific rate plans - Price list API to integrate with external web applications <p>Billing & Payments</p> <ul style="list-style-type: none"> - Recharge in credits/currency units - Invoice reports - Refund based on Failed/Blocked SMS & Non-Delivery reports - Payment Methods: Express Checkout, 2CO"

SMS Delivery Reports

- Refund based on DR
- DR Status Report: Extra DR, Duplicate DR, DR not received from Operator, DR update not marked
- HTTP DR Pull/Push
- HTTP Callback DLR API support
- Timezone management to manage Offset time and DR receipt time difference"

Currency

- Multi currency support

Invoicing

- Bulk SMS user invoicing
- Billing cycle management
- Invoice format configuration & PDF
- Auto send via email
- Multiple rate plans application in single billing cycle

Bulk SMS user management and interface**Bulk SMS user management**

- Account management
- Balance management & recharge: Credit (volume) and amount
- Notification configuration
- Default sender ID For promotional messaging users

System Specifications, Backup & restoration

- Auto & Manual backup procedures
- Interface for auto backup on FTP location
- Standard restoration procedures"

Bulk SMS user interface

- User dashboard: Account, usage, service, balance & validity details
- Groups & sub group messaging
- Address book, bulk import support
- Alphanumeric sender ID
- SMS templates
- Import SMS
- Reports: delivery reports; detail & summary reports; group, number & message wise reports
- 3rd party integration APIs; HTTP & XML interfaces

Reports & notifications**Live traffic monitoring dashboard**

- Gateway connection & performance monitoring
- Traffic monitoring
- Delivery status monitoring
- Plan and user wise traffic / usage monitoring

Auto notifications

- Balance & Validity
- Recharge
- Account activities
- User defined notifications
- SMS/Email notification template configuration
- Notification scheduler

MIS reports

- Message status reports
- Summary and details reports for user group, message, date wise reports
- User activity/account reports
- Missing vendor error code report

Delivery reports

- Performance Analytics based on message status, origination and termination connections/users;
- Daily, monthly, weekly analysis

Business analytics

- Usage analytics, performance analytics, delivery analytics, user analysis

System Specifications**Integration & Configuration**

- Plugin based architecture for protocol modifications, vendor/business specific flows
- Solaris and Linux support
- SDP integration with Parlay X
- Integration with BSS/OSS/IN/NMS
- Standard interfaces for network elements
- Standard & customizable interfaces for 3rd party applications
- Configurable reporting & notification

Security

- Authentication (username/password, HTTP basic auth, SMTP AUTH)
- Blacklist / whitelisting of mobile numbers
- SSL support for all connections
- SMTP relay control

Logging

- Configurable log levels
- Log file rotation based on size and time

Additional features**Two-way SMS**

- Manage Short codes/Long Codes
- Manage Dedicated and shared short/long codes
- Manage n-level keyword – sub keyword hierarchy
- Keyword Expiry & Validity
- Integrate with applications via database, file, HTTP
- Configurable auto-reply messages sent via HTTP/SMPP

MNP Support/HLR Lookup

- HLR HTTP API
- HLR configurations at service plan level, user level
- HLR Rate plans viz. Service wise, userwise
- Manage country wise HLR lookup service
- Live lookup or Cache lookup with configurable time
- HLR lookup service failure management with error code mapping
- Exhaustive reports viz. HLR sent SMS, HLR lookup details & summary
- HLR lookup service status monitoring graph"

Email service management

- Email campaign management
- Email tracking
- Multiple domain support
- MIS report

White label reseller panel

- Themes with configurable menu, header/footer, content, logo and many more
- Bulk user & reseller administration
- Service offering management
- Balance management
- Reports and notifications
- API for 3rd party integrations via XML, HTTP, sender-ID sub-user calling

System performance***Connections**

- 500 outbound connections

Concurrent messages

- 1 million SMS

System throughput

- Upto 500 TPS

Technical Specifications**LAN Ports**

- Supports GbE, Fast Ethernet, Ethernet ports

Operating System

- Cent OS 5.6 or above

Database

- MySQL 5.1.69 (InnoDB supported)

Application

- Java J2EE

* The system performance is as per lab test report. Actual product deliverables shall be as per license purchased.