

Bulk SMS Gateway Specification	
Overview	The Bulk SMS Gateway allows high-volume SMS
Functional Requirements - Message Sending	Support for one-to-one SMS
	Support for bulk SMS (campaign)
	Custom sender ID support
	Message scheduling and multi-language (Unicode) support
Functional Requirements - Delivery Reports	Real-time delivery reports
	Track message statuses (Delivered, Failed, Queued, Sent)
Functional Requirements - Recipient Management	Upload contacts via CSV/Excel
Functional Requirements - Templates	Create and manage SMS templates
	Support dynamic placeholders
Functional Requirements - APIs	RESTful API with JSON/XML
	Secure API authentication
	Send SMS via API
Functional Requirements - User Interface	Web-based dashboard
Technical Specifications - Performance	Minimum throughput: 50 messages/sec
Technical Specifications - Security	Secure HTTPS communication
	API IP whitelisting
	Two-factor authentication (2FA)
	Data encryption at rest and in transit
Technical Specifications - Compatibility	GSM 03.40/03.38 compliance
	SMPP 3.4 and HTTP API support
Reporting and Monitoring	Filterable delivery reports
	Usage reports (daily, weekly, monthly)
	SMS credit and balance alerts
Administrative Features	Manage users and sender IDs
	SMS credit allocation
	White-label branding support
Integration	SDKs for PHP, Python, Java, Node.js
Compliance	GDPR/CCPA compliant

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