

REVE SMS Datasheet



Product Name: REVE SMS Platform

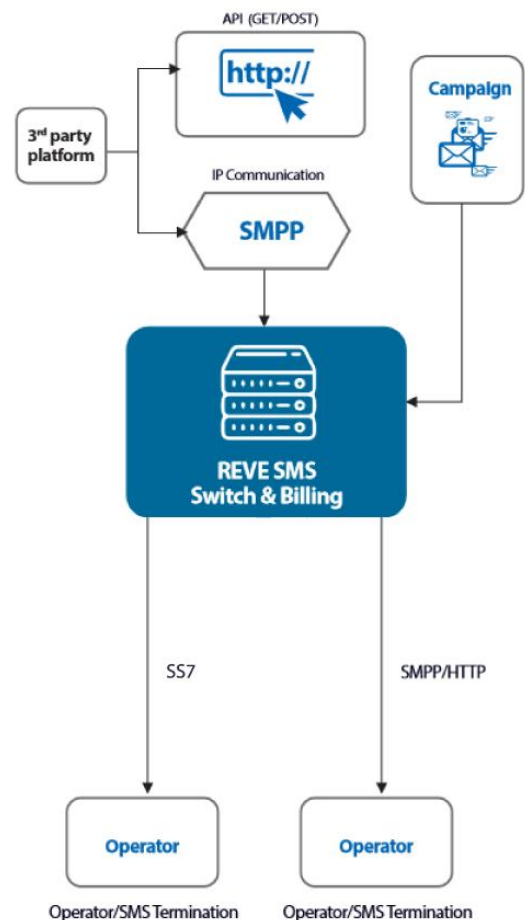
Vendor: REVE Systems Ltd.

Description

Robust SMS Platform for Wholesale & Retail SMS Trading. Your One-Stop Solution for SMS Hubbing, A2PSMS and Campaign Management, Two-way Messaging. REVE SMS is a high-performance, Bare-metal server & cloud-based messaging center delivering enterprise-grade SMS capabilities. Designed for large-scale operations, it boasts robust features and technical specifications suited for demanding businesses.

Highlighted features

- Integrated Web-based Real Time Billing Platform
- Advanced Route with Priority, LLR, and LCR support
- Supports Content Whitelist, Block & Modification
- Supports On Attempt, On Submission & On Delivery Billing Policy
- Supports A2P, P2P, P2A (MO/2Way SMS)
- Multi-Level Reseller Management
- Advanced Rate Management (Auto email Alert, Auto Rate Insert from Mailbox)
- Advanced Alert Management
- Bundle/Package Management
- Transaction and Promotional Profile Based Separate Rate & Routing Support
- Campaign/Bulk SMS sending option
- Support Multi-Protocol: HTTP, SMPP & SIGTRAN
- MNP Dipping Management
- HLR Lookup Support
- Never Go Negative
- Summary and Detailed Reporting on SMS
- Profit-Loss Report
- Financial analysis & Invoice Management
- User Activity Tracking
- Live Traffic Monitoring



Performance

- A** Scalability: Transported over 3600 million SMS in the past 12 months from a single platform
- B** Campaign Management: Successfully Initiated 10 million SMS under a single campaign
- C** TPS: 3000
- D** Connectivity: We are connected with all major operators around the world.

Technical Specifications

- **Architecture:** Cloud-based, multi-tenant, geographically distributed for high availability and fault tolerance.
- **Message Types:** Standard SMS, Unicode SMS(UTF-8), Binary SMS (GSM 0340).
- **Security:** TLS/SSL encryption for data transmission, secure storage with industry-standard protocols, and access control mechanisms.
- **Scheduled Messaging:** Advanced scheduling functionality with granular control over delivery times and dates.
- **Number Masking:** Sender ID customization with virtual numbers, alphanumeric IDs, or shared short codes.
- **Content Filtering:** Powerful content filtering options to prevent spam, malicious content, and regulatory violations.
- **Scalability:** Horizontally scalable architecture to accommodate growing traffic and message volumes.
- **Monitoring and Reporting:** Comprehensive dashboards and reports for real-time traffic monitoring, performance analysis, and campaign insights.
- **Supported Protocols:** SMPPv3.4, v5.0, HTTP, HTTPS, RESTful API (JSON/XML/TEXT/HTML), SS7 (SIGTRAN M3UA, SCCP).
- **Throughput:** Capable of processing millions of messages per hour (MPH) based on configuration and infrastructure.
- **Delivery Reports:** Real-time delivery reports including delivery status, timestamp, and operator reference code.
- **Two-Way Messaging:** Supports inbound and outbound SMS communication, enabling interactive campaigns and customer service applications.
- **Message Queuing:** Smart message queuing for optimized delivery during peak times. It also has queue management option to ensure the timely processing of messages.
- **Integrations:** Extensive API library and pre-built connectors for popular CRMs, marketing platforms, and enterprise applications.
- **High Availability:** Redundant infrastructure and disaster recovery mechanisms ensure 99.99% uptime SLA.

Platform Related Information



Database: MySQL for message storage and management.



Database: MongoDB for contact and campaign database store management.



Web Server: The web server would be Apache tomcat.



Programming Language: Java for core platform functionality.



Operating System: Linux/Unix.



API Documentation: Comprehensive API Support

Highly Secure

- * Robust security measures, including encryption and secure communication protocols.
- * Authentication and authorization mechanisms for user access control.
- * 2FA Support for billing & server access
- * GDPR compliant for data privacy and security

Support & Maintenance

- ✓ 24/7 customer support for prompt issue resolution.
- ✓ Dedicated support channels for critical incidents.
- ✓ Regular updates and feature enhancements.
- ✓ Streamlined upgrade processes for improved functionality.

Hardware Requirement

Specification for 2-3 M SMS Traffic/Day	Specification for 5-10 M SMS Traffic/Day
Processor: Intel Xeon 2.00 GHz or Higher	Processor: Intel Xeon 2.60 GHz or Higher
CPU core: 8 (Dual core)	CPU core: 12 (Dual core)
RAM: 32 GB or higher	RAM: 48 GB or higher
Hard disk: 500 GB (need to be in root or "/" directory)	Hard disk: 1 TB (need to be in root or "/" directory)
Preferred OS: Red Hat Enterprise / Centos / Ubuntu	Preferred OS: Red Hat Enterprise / Centos / Ubuntu

Specification for 10M SMS Traffic/Day	Specification for 50M SMS Traffic/Day
Processor: Intel Xeon 2.60 GHz or Higher	Processor: Intel Xeon 2.60 GHz or Higher
CPU core: 24 (Dual, Quad core)	CPU core: 48 (Dual, Quad core)
RAM: 64 GB or higher	RAM: 128 GB or higher
Hard disk: 1 TB (need to be in root or "/" directory)	Hard disk: 2 TB (need to be in root or "/" directory)
Preferred OS: Red Hat Enterprise / Centos / Ubuntu	Preferred OS: Red Hat Enterprise / Centos / Ubuntu

Specification for 2000 TPS SMS Traffic	Specification for 3000 TPS SMS Traffic
Processor: Intel Xeon 2.60 GHz or Higher	Processor: Intel Xeon 2.60 GHz or Higher
CPU core: 40 (Dual, Quad core)	CPU core: 48 (Dual, Quad core)
RAM: 128 GB or higher	RAM: 128 GB or higher
Hard disk: 1 TB SSD (need to be in root or "/" directory)	Hard disk: 2 TB SSD (need to be in root or "/" directory)
Preferred OS: Red Hat Enterprise / Centos / Ubuntu	Preferred OS: Red Hat Enterprise / Centos / Ubuntu