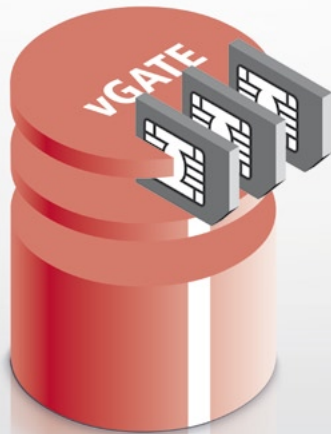


# vGATE

## Centralized SIM card storage and management



- Virtual allocation of SIM cards throughout your network
- Flexible SIM allocation according to mobile operators' tariff schemes
- Ends expensive on-site card replacement
- Supports GSM & 3G UMTS SIMs
- Automatic recharging of prepaid accounts
- Intuitive drag & drop Windows management interface
- SMS Bulk Interface (SMPP)
- Statistic Server for detailed information (extra Hardware)

### Saves time and money

A full-featured vGATE SIM Server for centralized SIM card storage and management, the vGATE ends time consuming travel to replace SIM cards and theft of SIM cards that have been left in unattended GSM gateways.

Every SIM card from the card pool can be made available to each mobile channel, thereby assuring that the most attractive tariff option is used throughout your mobile-gateway network.

### Versatile management

The vGATE indicates the status of every SIM card and you can activate, deactivate, and assign each card to a gateway location. You can also supervise credit limits for prepaid cards and assign SIM cards with favorable tariff schemes.

Using scripts for daily operation, you can easily perform recurring tasks such as SIM property changes. Real-time alarm signaling allows you to react immediately and minimize loss of traffic. Blocked cards can be detected automatically and substituted.

Prepaid accounts can be reloaded automatically.

Comprehensive statistics provide information about the system's capacity and the channel utilization (ASR), thereby providing the means for efficient traffic management and full cost control.

### Profit from power

The vGATE control unit can manage a virtually unlimited number of SIM cards. Actual implementations have been realized with up to 12,000 active SIM cards in up to 20 vGATE SIM units, each fully equipped with 600 SIM cards.

The vGATE consists of one Windows-based database server control unit.

### SMS Bulk Interface (SMPP)

This interface will be capable of sending large amounts of messages according to the Short Messages Services specification. The customer will be able to send dedicated SMS to end users to a defined SMS message center. This can be done over a dedicated fixed SIM card or pre-defined group of different SIM cards. With this solution, TELES supports a full solution including SMS, Email2SMS.

## CAPABILITIES

<b>Capacity</b>	600 SIM cards per SIM unit Up to 20 SIM units Maximum capacity: 12000 SIM cards
<b>SIM Routing</b>	Any SIM to any iGATE SIM assignment based on time of day, day of week, SIM usage, or random Extended time quotas, configurable per SIM Different SIM priorities for different SIM tariffs Random pause between SIM usage Automatic blocking of SIM cards in case of network errors, repeated announcements, or low ASR
<b>Special Functions</b>	Automatic calculation of remaining call time based on credit query via USSD and SMS Recharge of pre-paid SIMs through USSD, SMS, or DTMF Support for multiple rates per mobile network Automatic call generation Automatic SMS generation Flexible scripting interface Dynamic replacement of blocked SIM cards Automatic CDR collection Self-provisioning of new installed iGATEs Extensive statistics and reports Graphical display of SIM routes Alarm messages via e-mail SIM decommission configurable date Bulk changing SIM settings color Templates

## SYSTEM MANAGEMENT

vGATE desktop application; can either run directly on vGATE Control Unit or any other Windows PC
TELES Network Management System supported
Watch dog functionality
Detailed gateway history with advanced statistics *extra TELES statistics Server needed

## CONNECTION SPECIFICATIONS

<b>SIM</b>	SIM, 3.3 V (GSM) U-SIM, 3.3 V, (UMTS)
<b>Ethernet</b>	Control Unit: 4 x 10/100/1000 Base-T, RJ-45 SIM Unit: 1 x 10/100 Base-T, RJ-45

## PHYSICAL PARAMETERS

<b>Size (W x H x D)</b>	Control Unit: 442 mm x 89 mm x 508 mm (2U) SIM Unit: 440 mm x 177 mm x 555 mm (4U)
<b>Power Supply</b>	Control Unit: 100–240 VAC (6.5 A@100–120 VAC, 3.2 A@200–240 VAC) SIM Unit: 100–240 VAC, 50–60 Hz

## ENVIRONMENTAL CONDITIONS

<b>Temperature</b>	+5°C to +40°C
<b>Humidity</b>	5 % to 80 % (non-condensing)

## CERTIFICATES

EMC, Safety, CE



Find out more: [www.teles.com](http://www.teles.com)

**TELES**  
AG  
Informationstechnologien

TELES AG | HEADQUARTERS

Ernst-Reuter-Platz 8

10587 Berlin

GERMANY

Phone +49 30 399 28 - 066

Fax +49 30 399 28 - 051

E-mail [sales@teles.com](mailto:sales@teles.com)