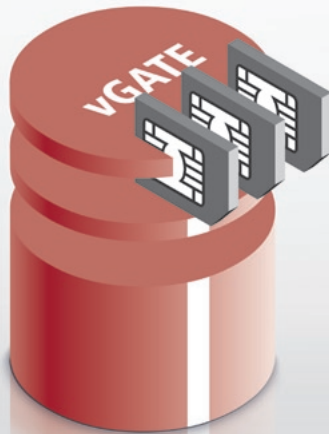


# vGATE

Centralized SIM card storage and management



Manage an almost unlimited number of SIM cards without leaving your office.



- Virtual allocation of SIM cards throughout your network
- Flexible SIM allocation according to mobile carriers' tariff schemes
- Ends expensive on-site card replacement
- Supports GSM & 3G UMTS SIMs
- Automatic recharging of prepaid accounts
- Intuitive drag & drop Windows management interface
- Network management software available for installation on control unit

#### 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.

The vGATE delivers dynamically allocated, virtual SIM card accessibility over the Internet from a central SIM card maintenance center within distributed mobile GSM and 3G UMTS networks. 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 20 vGATE SIM units, each fully equipped with 600 SIM cards.

The vGATE consists of one Windows-based database server control unit and at least one SIM unit for up to 10 SIM card carriers, each carrier having a capacity of up to 60 SIM cards.

Our Network Management System can optionally be installed on the control unit, thereby integrating the TELES maintenance platform with SIM card management on a single server. This option does not require additional hardware or additional interfaces.

# vGATE

## CAPABILITIES

<b>Capacity</b>	600 SIM cards per SIM unit Up to ten SIM units Maximum capacity: 6000 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 Flexible 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

## SYSTEM MANAGEMENT

vGATE desktop application; can either run directly on vGATE Control Unit or any other Windows PC

## CONNECTION SPECIFICATIONS

<b>SIM</b>	SIM, 3.3 V (GSM) U-SIM, 3.3 V, (UMTS)
<b>Ethernet</b>	Control Unit: 2 × Ethernet 10/100 Base-T, RJ-45 SIM Unit: 1 × Ethernet 10/100 Base-T, RJ-45

## PHYSICAL PARAMETERS

<b>Size (W × H × D)</b>	Control Unit: 442 mm × 89 mm × 508 mm (1U) SIM Unit: 440 mm × 177 mm × 555 mm (4U)
<b>Power Supply</b>	Control Unit: 100–240 VAC, 200 W SIM Unit: 100–240 VAC, 50–60 Hz (6.5 A @ 100–120 VAC, 3.2 A @ 200–240 VAC)

## ENVIRONMENTAL CONDITIONS

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

## CERTIFICATES

EMC, Safety, CE



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