



CONNECTION SPECIFICATIONS

SIM	SIM, 3.3V (GSM) U-SIM 3.3V (3G/UMTS) 60 SIM per SIM carrier 600 SIM per SIM unit (4U) Up to 6,000 SIM per TELES.vGATE
Ethernet	TELES.vGATE Control Unit: 2 x Ethernet 10/100 Base-T RJ-45 TELES.vGATE SIM Unit: 1 x Ethernet 10/100 Base-T RJ-45
Front end	TELES.vGATE Desktop via IP
Maintenance	Remote access via FTP & telnet
Power supply	TELES.vGATE Control Unit: 100–230V, 200W TELES.vGATE SIM Unit: 230V, 400W

PROTOCOLS AND FEATURES

IP	TCP ports 21, 4445, 3306, 51500, 57342–57345
Database	MySQL®
E-mail	E-mail client
FTP	FTP server

MANAGEMENT

- Any SIM to any TELES.iGATE at any time
- Group based management of SIM cards
- Group based management of TELES.iGATES
- Support of pre-paid SIMs including limits
- Enhanced graphical user interface for SIM configuration
- Self-provisioning for new assigned TELES.iGATES
- SIM behaviours can be defined (a SIM or a group):
 - Call time limitation (for changing SIM and/or for overall)
 - Call duration limitation
 - Assign time limitation
 - Pause after usage
- SIM priority for assignment

MAINTENANCE

- TELES.vGATE Desktop application also runs on any IP-connected Windows PC (1Mbps bandwidth recommended)
- Two level access: read-only / read & write
- Drag & drop interface for SIM usage configuration
- Direct TELES.GATE Manager access
- Advanced graphical user interface
- Detailed overview of the 'physical' usage of SIMs at the TELES.vGATE SIM Unit
- Detailed reports of SIMs for usage, statistics, errors, etc. – including filters
- Online status of systems and ports

STATISTICS & CDRs

- Automatic retrieval & storage of CDR files from each TELES.iGATE
- Enhanced statistic overview for
 - ASR
 - ACD
 - Usage
 - Calls
 - Etc.
 for a SIM, group of SIMs, TELES.iGATES, etc.
- Enhanced graphical user interface for all statistics
- Export functions

ALARM HANDLING

- Real time alarm messaging via e-mail or SMS
- Automatic blocking of SIMs in case of errors:
 - Network registration problems
 - Announcements
 - Low ASR

SPECIAL FUNCTIONS

- Automatic calculation of remaining call time based on credit query via USSD and SMS
- Recharge of pre-paid SIMs through USSD, SMS, or DTMF (database driven)
- Call generation to available SIM groups and fixed-line numbers
- SMS generation
- Scripting interface for maintaining SIMs & generation of SMSs for 3rd party control
- Scripting interface for enabling special SIM charging functions through SMS, USSD, or DTMF
- Import and export functions

IP SECURITY

vGATE Desktop:	Username and password
Telnet, FTP:	Username and password
Firewall:	IP, UDP, and TCP filter

OPTIONS FOR TELES.vGATE

TELES.NMS	Network Management System
TELES.iMNP	Mobile Number Portability Database

OPERATOR DOCUMENTATION

Manual	English, PDF
--------	--------------

HOUSING

Mounting	TELES.vGATE Control Unit: 19" 1U iPC TELES.iGATE SIM Unit: 19" 4U iPC
Size (WxDxH)	TELES.vGATE Control Unit: 440 x 420 x 44mm (1U) TELES.vGATE SIM Unit: 440 x 555 x 177mm (4U)

ENVIRONMENTAL CONDITIONS

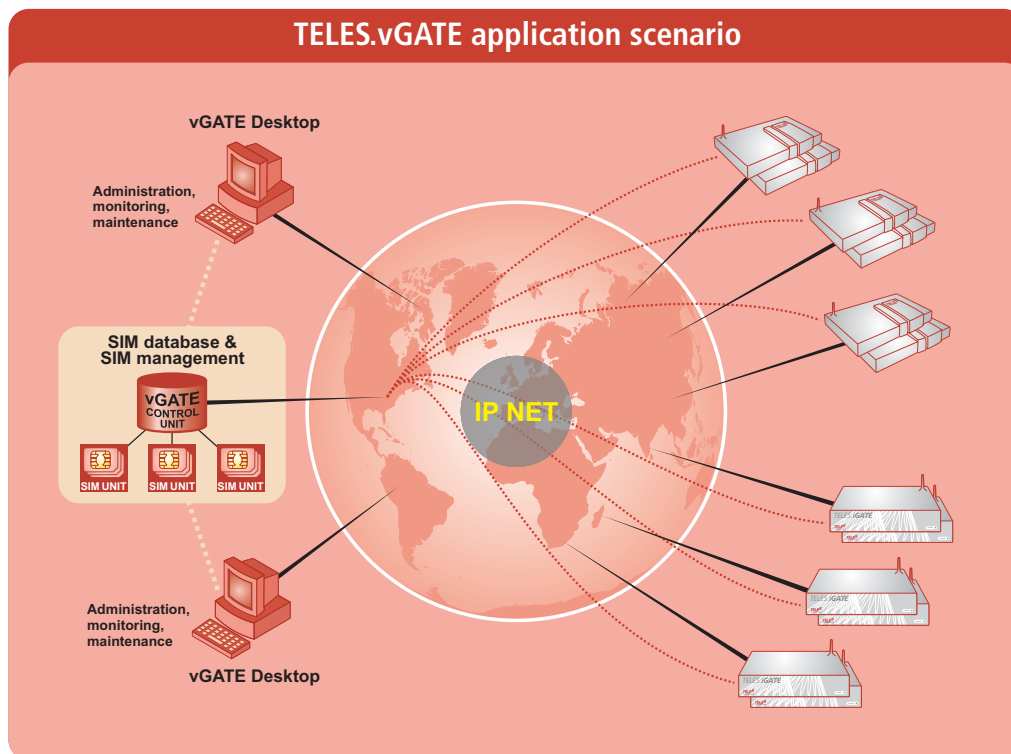
Temperature:	+5°C to +45°C
Humidity:	5% to 80% (non-condensing)

CERTIFICATES

EMC, Safety, CE

PACKAGE CONTENT

- 1 TELES.vGATE Control Unit**
 - 1 Power supply cable
 - 1 RJ-45 LAN cable
 - 1 Ethernet switch
- 1..n TELES.vGATE SIM Unit(s)**
 - 1 Power supply cable
 - 1 RJ-45 LAN cable



TELES
Communication Systems

TELES AG
Communication Systems Division
Ernst-Reuter-Platz 8
10587 Berlin, Germany
Phone +49 30 399 28-066
Fax +49 30 399 28-051
E-mail sales@teles.com

www.teles.com/tcs

