Reduce your telephony costs
Connect your current PBX to the world of Mobile and VoIP. With low per-port implementation costs, the VoIPBOX GSM supports up to 4 mobile channels, 8 VoIP channels, and different telephony options. Eliminate the expense of international calls placed from mobile phones. The VoIPBOX GSM delivers Call Through and Call Back dialing and thereby maximizes your existing VoIP infrastructure. Save time and effort during installation as a result of built-in, designed compatibility.

Simple installation and sophisticated management
In minutes, install the VoIPBOX GSM and make your first phone calls. Just connect the cables and the power and physical installation is complete. Then, use the VoIPBOX GSM’s Quickstart tool to complete initial configuration. To fine-tune the routing configuration, use our GATE Manager. Finally, you can use the TELES NMS (Network Management System) for remote provisioning of bulk installations; the VoIPBOX GSM can automatically receive updated routing files from the NMS.

Savings with Least Cost Routing
Save money on every phone call. The VoIPBOX GSM delivers phone-number prefix recognition. This enables the gateway to direct calls to a specific channel that contains a SIM card from the corresponding GSM network.

Remote survivability
Protect your ability to make phone calls. If your office is disconnected from its VoIP network server, VoIPBOX GSM can route both interoffice calls and PSTN calls. IP phones continue to function thereby sustaining your productivity. Also the VoIPBOX GSM can replace your landline.

- Converts fixed-to-mobile calls into cost-saving mobile-to-mobile calls
- Landline Replacement
- Backup for voice through mobile connection
- Integrated SIP Server
- Toll-grade voice compression, T.38 fax support
- Email to SMS conversion
- Autoprovisioning available
CAPABILITIES

Scalability
- 4 GSM/GPRS channels
- 1 SIM per channel or vGATE SIM server (optional)
- 1 Extension Module (FXS, FXO, BRI, LCR)
- 8 VoIP channels

VoIP codecs
- G.711, G.723, G.726, G.728, G.729, GSM

Fax support
- T.38, fallback to G.711

Echo cancellation
- G.168 – 2002, 128 ms tail length

DTMF
- RFC 2833, SIP/H.323 info, inband

VoIP quality
- Configurable ToS, DiffServ, VLAN
- Silence suppression, VAD, CNG, G.729B
- QoS alternative routing based on ASR, fraction lost, jitter, and roundtrip delay.
- Traffic shaping
- Dynamic PSTN fallback (IntraStar patent)

Call routing
- Time-dependent routing
- Multilevel alternative routing
- 5000 routing entries
- ENUM support
- Database managed routing
- Support for multiple gatekeepers, H.225 (v4)
- Support for multiple registrars
- Overlap/en-bloc conversion RFC 3578
- Digit manipulation
- Black/white list

Advanced
- Integrated SIP registrar and location server (Metering tone (12/16 kHz) → only FXS)
- Integrated callback/two-stage-dialing server
- Integrated DSL router (PPPoE)
- Integrated IP router via GPRS
- DHCP server and client
- Firewall support
- VPN support
- CLIP
- RTP multiplex bandwidth reduction
- STUN support
- Symmetric RTP (COMEDIA)
- Radius support

GSM specific
- Full vGATE SIM Server support (optional)
- Alert/busy tone detection
- Announcement recognition
- E-mail to SMS conversion
- QoS routing: automatic blocking of GSM ports based on ASR, announcements or network errors

PROTOCOLS

Mobile
- GSM quadband 850/900/1800/1900 MHz

VoIP
- SIP (RFC 3261), H.323 (v4)

ISDN
- DSS1 (Q.931, national variants), Q.SIG-BC TE/NT, PP/PMP (BRI only)

SYSTEM MANAGEMENT

Remote access via IP with NMS or GATE Manager
- HTML configuration interface
- SNMP (alarm management)
- Call Detail Records (CDRs)

CONNECTION SPECIFICATIONS

Ethernet
- 2 x Ethernet 10/100 Base-T RJ-45

Analog
- 4 ports RJ-11 (optional)

ISDN
- 2 ports RJ-45 (optional)

Antenna
- SMA (1 antenna for 4 channels)

PHYSICAL PARAMETERS

Size (W × H × D)
- 280 mm × 38 mm × 138 mm

Material
- ABS, black

Mounting
- Desktop, wall

Power supply
- Wall power supply, 12 VDC, 1.6 A

ENVIRONMENTAL CONDITIONS

Temperature
- +5°C to +40°C

Humidity
- 5% to 80% (non-condensing)

CERTIFICATES

EMC, Safety, CE, FCC

VolPBOX GSM ports VoIP ports FXS ports FXO ports BRI ports
GSM 2/4 8 – – –
GSM FXS 2/4 8 4 – –
GSM LCR 2/4 8 2 2 –
GSM BRI 2/4 8 – – 2
GSM FXO on demand 4 8 – – 4

Find out more: www.teles.com