VoIPBOX GSM

GSM gateway with configurable VoIP – PSTN options

▌ 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

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.

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VoIPBOX GSM

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 × 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

VoIPBOX	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**

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