VoIPBOX GSM 4 FX

VoIP gateway with 4 GSM and 4 analog ports

The VoIPBOX GSM 4 FX connects your Voice-over-IP network and your GSM mobile network.

INNOVATIONSPREIS
2007
initiative
mittelstand
A U S Z E I C H N U N G
VoIP

TELES.VoIPBOX GSM – Special Commendation in the VoIP category of the German Initiative Mittelstand ITC Innovation Prize 2007

- ❚ Expands your IP PBX value by enabling calls to your mobile network

- ❚ Converts fixed-to-mobile calls into cost-saving mobile-to-mobile calls

- ❚ Fully vGATE SIM Server compatible

- ❚ Integrated SIP server

- ❚ Toll-grade voice compression, T.38 fax support

- ❚ Call Through (two-stage dialing) for mobile workers

- ❚ Backup solution for VoIP and IP Centrex

- ❚ Supports auto-provisioniong and centralized system-management

Reduce VoIP to GSM costs

Connect your current VoIP infrastructure – as is – to the world of mobile. With low per-port implementation costs, the VoIPBOX GSM 4 FX supports up to 4 mobile channels, 4 telephone units, and 8 VoIP channels.

Eliminate the expense of international calls placed from mobile phones. The VoIPBOX GSM 4 FX delivers Call Through dialing and thereby maximizes your existing VoIP infrastructure.

Save time and effort during installation as a result of built-in, designed compatibility. The TELES VoIPBOX GSM 4 FX and vGATE SIM Server are a team of products designed from scratch to interoperate. You avoid complex and unstable third-party to third-party gateway to SIM server configurations.

Simple installation and sophisticated management

In minutes, install the VoIPBOX GSM 4 FX and make your first phone calls. Just connect the cables and the power and physical installation is complete. Then, use the VoIPBOX GSM 4 FX'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 4 FX can automatically receive updated routing files from the NMS.

Savings with Least Cost Routing

Save money on every phone call. The VoIPBOX GSM 4 FX 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 4 FX can route both interoffice calls and PSTN calls. IP phones continue to function thereby sustaining your productivity.

TELE5 AG
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VoIPBOX GSM 4 FX

CAPABILITIES

Scalability	4 GSM channels
	1 SIM per channel or SIM server
	4 FXS ports
	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)
	Integrated callback/two-stage-dialing server
	Integrated DSL router (PPPoE)
	Integrated IP router via GPRS
	RTP multiplex bandwidth reduction
	STUN support
	Symmetric RTP (COMEDIA)
	Radius support
GSM specific	Full vGATE SIM Server support
	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

VoIP	SIP (RFC 3261), H.323 (v4)
	MGCP*
Mobile	GSM quadband (850/900/1800/1900 MHz)

SYSTEM MANAGEMENT

Remote access via IP with NMS or GATE Manager

HTML configuration interface

SNMP (alarm management)

Call Detail Records (CDRs)

CONNECTION SPECIFICATIONS

Analog	4 FXS ports RJ-11
Ethernet	2 × Ethernet 10/100 Base-T RJ-45
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

Find out more: **www.teles.com**

CE

TÜV MANAGEMENT SERVICE
ISO 9001

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* roadmap