

VoIPBOX GSM 4 FX

Mobile gateway with 4 GSM and 4 analog ports

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



- 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-provisioning 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.

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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 × 38 × 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



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* roadmap