

# VoIPBOX<sup>SM</sup> GSM 4

VoIP gateway with 4 GSM ports

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



- Expands your IP PBX value by enabling calls to your mobile network
- Outstanding suite of features for IP PBX manufacturers with mobile networks
- Back-up solution for IP Centrex
- Supports Call Through (two-stage dialing) for mobile workers
- White List CIDs for approval of incoming mobile calls
- Automatic selection of the most cost-effective telephone connection
- Multi-tier security

#### 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 includes a built-in router and supports up to 4 SIM cards. Eliminate the expense of international calls placed from mobile phones. The VoIPBOX GSM 4 delivers Call Through dialing and thereby maximizes your existing VoIP infrastructure.

A PBX with a SIP trunk, and an IP PBX, can terminate GSM calls using CID authentication and generate GSM calls using the LCR features.

#### Savings with Least Cost Routing

Save money on every phone call. The VoIPBOX GSM 4 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.

#### Outstanding flexibility and ease of use

Maximize dialing plan flexibility. VoIPBOX GSM 4 gateways support a broad range of numbering plans and allow configuration to the port level. For flexibility in calling from a mobile phone, VoIPBOX GSM 4 gateways enable Two Stage Dialing. Customizable IVRs assist throughout the process.

#### Stand-alone functionality

Eliminate the need for an external gatekeeper or SIP server, speed up call establishment, reduce network maintenance, and improve network robustness. The VoIPBOX GSM 4 Officer/Private architecture accomplishes all this by eliminating a single point of failure.

#### Traffic-shaping built-in router

Featuring a traffic-shaping built-in router with NAT-enabled firewall, the VoIPBOX GSM 4 delivers a highly functional integrated IP router, and a built in DHCP server. Get LAN switching, WAN routing, and VoIP all in one package.

#### Secure environment

Protect against non-authorized access with VoIPBOX GSM 4's three levels of security: encrypted remote management, gateway level/call level authentication, and an embedded firewall. The firewall can be configured to varied levels of security, including total block-out of all data except for VoIP.

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## CAPABILITIES

Scalability	4 GSM channels
	1 SIM per channel
	4 VoIP channels
VoIP codecs	G.711, G.723.1, G.726/32, G.729
Echo cancellation	G.165, G.168
DTMF	RFC 2833, SIP/H.323 info, inband
VoIP quality	Configurable ToS, Diffserv, VLAN
	Silence suppression, VAD, CNG, G.729B
	QoS alternative routing, fraction lost, jitter, and roundtrip delay.
	Traffic shaping
Call routing	Database managed routing
	Support for multiple gatekeepers, H.225 (v4)
	Support for multiple registrars
Advanced	AES-128 encryption mode
	Integrated callback/two-stage-dialing server
	PPPoE/PPTP support
	Integrated signal analyzer (dial tone, disconnect tone)
	Radius support (AAA)

## PROTOCOLS

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

## SYSTEM MANAGEMENT

Browser-based configuration and monitoring application
Console access via IP
SNMP support
RS-232 port for maintenance
Call detail records (CDRs)

## CONNECTION SPECIFICATIONS

Ethernet	2 × Ethernet 10/100 Base-T RJ-45
Antenna	SMA (1 antenna for 4 channels)

## PHYSICAL PARAMETERS

Size (W × H × D)	213 mm × 45 mm × 125 mm
Power supply	12 VDC, 1.2 A

## ENVIRONMENTAL CONDITIONS

Temperature	+5 °C to +40 °C
Humidity	5 % to 80 % (non-condensing)

## CERTIFICATES

EMC, Safety, CE



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