

# VoIPBOX<sup>BRI</sup>

VoIP gateway for up to 4 BRI interfaces

Connect your IP-PBX to TDM or your TDM-PBX to IP and enjoy the benefits of VoIP.



- 8 channel ISDN BRI VoIP gateway
- Toll-grade voice compression and T.38 fax support
- Integrated SIP server for remote survivability and emergency break-out
- Advanced Least Cost Routing
- QoS and traffic-shaping support
- PSTN backup (lifeline support)
- Supports auto-provisioning and centralized system management

### Cost Effective Migration to VoIP

Invest in the outstanding value and maintain your current PBX infrastructure. The VoIPBOX BRI includes a complete features suite without requiring add-ons or upgrades.

The VoIPBOX BRI installs between the PBX and PSTN and connects your current PBX – as is – to the Internet. The premium suite of features ensures complete compatibility with your current telephone equipment and total interoperability with all third-party VoIP equipment. Your infrastructure backbone remains and so does the investment represented by the company's contact information.

### Simple Installation and Sophisticated Management

In minutes, install the VoIPBOX BRI and make your first phone calls. Just connect the cables and the power and physical installation is complete. Then, use the VoIPBOX BRI's Quickstart tool or the integrated Web-based GUI 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 BRI can automatically receive updated routing files from the NMS.

### LCR Savings and Secure Back-up

Save money on every phone call. VoIPBOX BRI's LCR (Least Cost Routing) features automatically identify the least expensive route to each destination, whether that is over a standard fixed-line network or over the Internet. Plus, VoIPBOX BRI's IntraStar technology provides transparent fallback to the PSTN if there is packet loss or a bottleneck on the IP network.

### Remote Survivability

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

### Guaranteed Voice Quality

Ensure superior voice quality. In addition to all the standard VoIP features – like echo cancellation and silence suppression – VoIPBOX BRI's premium feature set includes the best available DSPs, traffic shaping, and multi-level fallback. Voice speech compression codecs reduce bandwidth need and RTP multiplexing enables even further bandwidth reduction.

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## CAPABILITIES

Scalability	4/8 concurrent calls Up to 4 BRI
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
ISDN data call	clear channel (RFC 4040)
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 Life line functionality: bypass relais connect PBX to PSTN in case of power failure AOC generation (AOC-D, AOC-E) Integrated callback/two-stage-dialing server Integrated DSL router (PPPoE) RTP multiplex bandwidth reduction STUN support Symmetric RTP (COMEDIA) Radius support

## PROTOCOLS

ISDN	DSS1 (Q.931, national variants), Q.SIG-BC TE/NT, PP/PMP
VoIP	SIP (RFC 3261) H.323 (v4) MGCP*, IUA*

## SYSTEM MANAGEMENT

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

## CONNECTION SPECIFICATIONS

ISDN	2/4 × BRI, RJ-45 1/2 configured as NT 1/2 configurable as TE or NT
Ethernet	2 × Ethernet 10/100 Base-T RJ-45

## PHYSICAL PARAMETERS

Size (W × H × D)	142 × 38 × 140mm
Material	ABS
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



**TELES**  
Communication Systems

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