

VoIPBOX^{BRI}

VoIP gateway for up to 8 BRI interfaces



- 4/8/16 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

Migrate to VoIP and protect your investment

The VoIPBOX BRI provides you with a complete features suite to meet all your requirements from the latest VoIP media gateway technology. The TELES VoIPBOX BRI enables service providers focusing on business customers to offer an attractive business trunking service while protecting the customer investment in existing ISDN PBX. Customers who have already made the decision to use IP PBX can continue to use their existing ISDN phones whilst protecting their investment and maintaining the same user experience with the former PBX.

Excellent voice quality from a feature rich product

Using top quality DSP technology we provide our customers with high voice quality. Even when using voice compression to save network bandwidth, customers using low band infrastructure can benefit from sophisticated RTP multiplexing. An integrated call back server, SIP registrar, ISDN clear channel as data relay, and DSL router are just a few of the features provided as part of the standard feature set.

LCR savings and secure back-up

Save money on every phone call using the VoIPBOX BRI LCR (Least Cost Routing) feature which automatically identifies the least expensive route to each destination, whether it is over a standard fixed-line network or over the Internet. If required, AOC (Advice of Charge) generation can be used to support customer or legal requirements.

Remote survivability

Besides superior voice quality, the VoIPBOX BRI acts as a SIP registrar and location server, enabling SIP devices to register on the box and maintain service even when the IP network is not available.

Simple installation and sophisticated management

TELES VoIPBOX BRI is supported with multiple management and provisioning tools to meet the requirements of multiple customers' profiles. Using the installation wizard, customers will soon have the service up and running smoothly. The comprehensive WEB management system enables you to perform all management and maintenance tasks easily. TELES field proven NMS system enables customers with a large install base to simultaneously perform management and provisioning tasks on multiple boxes.

CAPABILITIES

| | |
|-------------------|---|
| Scalability | 4/8/16 concurrent calls Up to 8 BRI |
| VoIP codecs | G.711, G.723, G.726, G.728, G.729, GSM, iLBC |
| 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 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: continuous PBX to PSTN connectivity in case of power failure AOC generation (AOC-D, AOC-E) Support for call forwarding (ISDN–SIP interworking) Integrated callback/two-stage-dialing server Integrated DSL router (PPPoE) RTP multiplex bandwidth reduction STUN client 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) |

SYSTEM MANAGEMENT

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| Remote access via IP or ISDN data call with TELES NMS or GATE Manager |
| Web-based management |
| Installation wizard |
| SNMP (alarm management) |
| Call Detail Records (CDRs) |

CONNECTION SPECIFICATIONS

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|----------|--|
| ISDN | 2/4/8×BRI, RJ-45 configurable as TE or NT |
| Ethernet | 2×Ethernet 10/100 Base-T RJ-45 |

PHYSICAL PARAMETERS

| | |
|------------------|----------------------------------|
| Size (W × H × D) | 280 mm × 38 mm × 138 mm |
| 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



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