



# LTE Session Border Controller

Innovative technology powered by beroNet OS



“No other Gateway is integrated faster and easier.”

Niels Hansen, Systems Engineer, Dierck Kommunikationstechnik Handels GmbH

## OVERVIEW

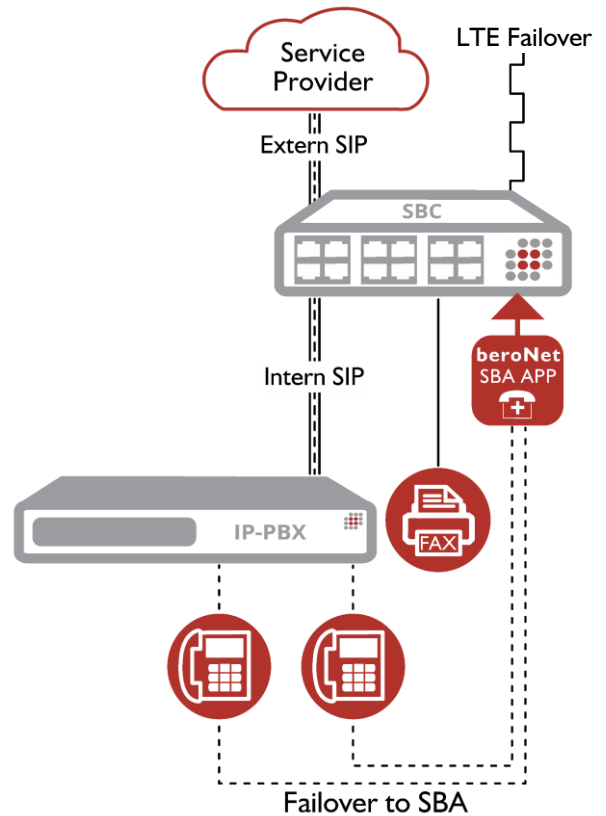
beroNet LTE SBCs connect SIP to VoLTE and support voice up to 6 concurrent calls as well as SMS messaging. Take advantage of SBC functionality with the already active two concurrent SIP-to-SIP sessions, and with additional beroNet SBC software licenses meet your customers' requirements. With two network interfaces, beroNet VoIP SBCs are the security solution for VoIP networks. They simplify configurations and make IP PBX systems and VoIP providers compatible. It is an ideal solution for voice failover via LTE and can be safely remote managed via the beroNet Cloud.

Made in Germany



# Secure and simplify your VoIP Network

- Make IP PBX systems and VoIP providers compatible
- Secure SIP communication separating internal and external SIP networks
- Secure the IP PBX with topology hiding
- SIP-DDoS Detection / Protection
- Firewall Access Control List
- Adapt SIP Headers
- Convert from TCP to UDP, RTP to SRTP, varying codecs
- Voice Failover options via LTE, Survival Branch PBX App available
- Cloud managed



**Cloud Managed**



**Compatible with any IPBX**



**Fast Installation**



**Tough, no moving parts**



**Energy Efficient**



**100% Silent**



**Easy Expandable**

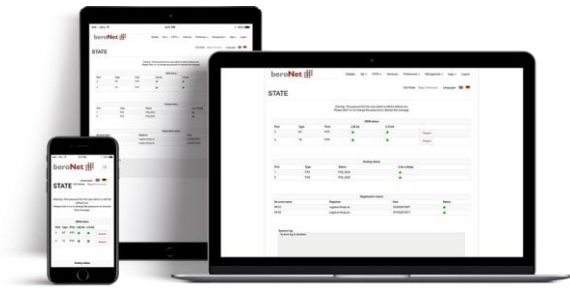


## LTE Models

Model	NIC	Description	Max Concurrent SIPToSIP Sessions Transparent / Transcoding
BNSBC-M-2LTE	2	SBC with 2 LTE ports and 2 SIP-to-SIP sessions free, non modular	128 / 8
BNSBC-M-4LTE	2	SBC with 4 LTE ports and 2 SIP-to-SIP sessions free, non modular	128 / 8
BNSBC-L-6LTE	2	SBC with 6 LTE ports and 2 SIP-to-SIP sessions free, non modular	128 / 32

### Technical Specifications

- 2, 4 or 6 LTE ports (2, 4 or 6 SIM cards)
- 2G (GSM) / 3G (UMTS) / 4G (VoLTE)
- 2G Bands: B3(1800), B8(900)
- 3G Bands: B1(2100), B8(900)
- 4G Bands: B3(1800), B7(2600), B20(800), B1(2100), B8(900)
- SMS service (Text and PDU)
- SMS via WebGUI or API to connect custom applications
- Supplementary LTE services (CLIP, CLIR)
- Codecs: G.723.1 and Annex A, G.729 a/b, G.726, (up to 4 channels)
- G.711 including echo cancellation (G.168/G.165, 128ms)
- Voice activity detection / comfort noise generation
- DTMF digit detection and generation
- SIP user agent IETF RFC3261 compatible
- SIP over UDP/TCP with optional TLS 1.2 support, SRTP
- Two 100Mbit LAN Ports (LAN / WAN)
- Power supply: 110–230V, operating 12V DC at 2A
- Average power consumption: 6 Watts (24W max.)
- Storage temperature: -20° to 70°C
- Operating temperature: 0° to 70°C
- Humidity: up to 90%, non-condensing
- Dimensions: M – 168 × 170 × 42 mm
- Dimensions: L – 218 × 170 × 42 mm
- Weight: M - 800 g, L – 1000 g
- Mounting 1U, optional available: 19" rack brackets
- Optional antenna with 2,5 m cable and magnetic foot
- CE, FCC and ACMA compliant



## Powered by beronet OS

beronet OS allows you to easily configure your VoIP SBCs via an intuitive web interface, to directly provision your devices with XML and to register them in the beronet Cloud for remote monitoring and management. Take advantage of a deep range of intelligent and customizable features, expand the functionality of your VoIP SBC with apps and SBC software licenses.

## Meet your customers' requirements with the right SBC license

All SBC Models come with 2 free SIP-to-SIP concurrent calls. To add more concurrent sessions, licenses are required. There are two types of sessions. Sessions where the media is forwarded transparently and sessions in which the media traverses the hardware DSP (transcoding). The beronet OS allows mixing of both session types, depending on the customer requirements.

### beronet Session Border Controller Software Licenses

SIP-to-SIP Transparent Sessions	Which SBC fits?	SIP-to-SIP Transcoding Sessions	Which SBC fits?
BNSBC-SESSION-TP-4	BNSBC-M, L and XL	BNSBC-SESSION-4	BNSBC-M, L and XL
BNSBC-SESSION-TP-8	BNSBC-M, L and XL	BNSBC-SESSION-8	BNSBC-M, L and XL
BNSBC-SESSION-TP-16	BNSBC-M, L and XL	BNSBC-SESSION-16	BNSBC-L and XL
BNSBC-SESSION-TP-32	BNSBC-M, L and XL	BNSBC-SESSION-32	BNSBC-L and XL
BNSBC-SESSION-TP-64	BNSBC-M, L and XL	BNSBC-SESSION-64	BNSBC-XL
BNSBC-SESSION-TP-128	BNSBC-M, L and XL		
BNSBC-SESSION-TP-Upgrade-x x stands for the amount of sessions	BNSBC-M, L and XL	BNSBC-SESSION-Upgrade-x x stands for the amount of sessions	Depending on model capacity

## 5 Good Reasons for beronet SBCs



Less time training and more time with your customers



Cloud integration simplifies remote updates and backups



Free and premium support if you come across any issues



Enhance compatibility between VoIP providers and IP PBX



Enhanced with Apps for additional functionality



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We can help you with training, consulting and development.



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