



Session Border Controller

Innovative technology powered by beroNet OS

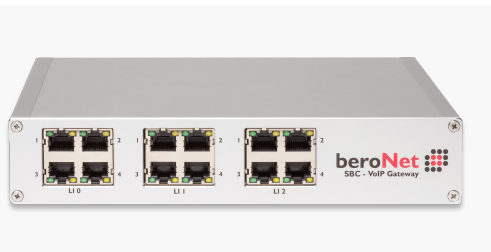
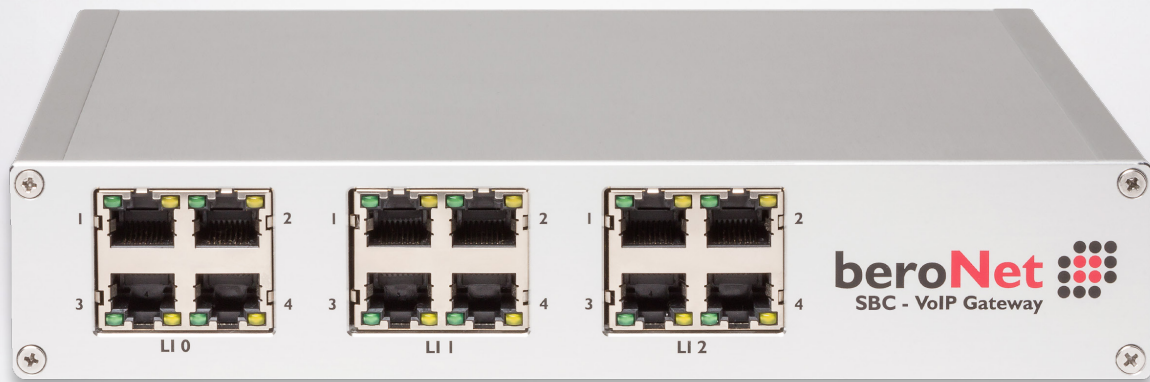


"In a space that requires constant growth and learning, beroNet has always gone far and beyond to provide us with the latest, compatible and most reliable hardware and services. It is 'this' that makes them indispensable."

Manikandan Chockalingam, CEO of CAL4CARE PTE LTD

OVERVIEW

beroNet modular VoIP SBCs are a security solution for VoIP networks. Depending on the model, up to three beroNet modules can be added, offering any combination of BRI, PRI, FXS and FXO interfaces. Configuration is easy done via the beroNet WebGUI. The VoIP SBCs are compatible with various IP-PBX and VoIP providers and can be managed via the beroNet cloud. All models have two network interface cards.



5 Good Reasons for beroNet



Less time training and more time with your customers



Free and premium support for when crazy things happen



Cloud integration simplifies remote updates and backups



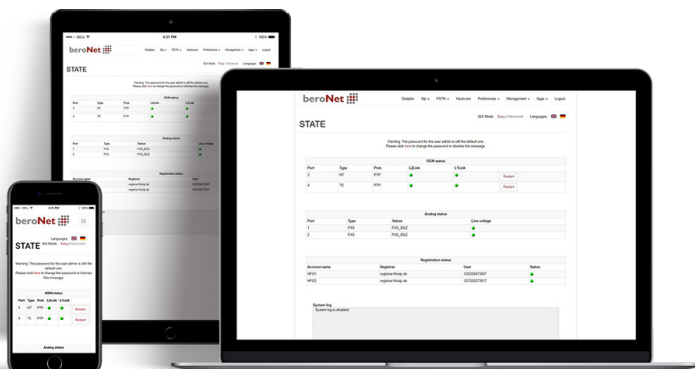
Flexibility and adaptability for long-term use



Enhanced with Apps for additional functionality

Powered by beroNet OS

beroNet OS allows you to manage your VoIP SBC using your Web Browser, register to manage and monitor the device in the beroNet Cloud, and take advantage of SBC functionality by adding SBC Software Licenses. Using the beroNet App Market you can expand the functionality of your VoIP SBC with apps like the beroNet Survival Branch Appliance (SBA) App, OpenVPN, and OpenPBX.



Base Models

EXPANDABLE WITH ADDON MODULES

Model	Module Slots Available	Channels	Max Concurrent Sessions	NIC
BNSBC-M	2	16	8	2
BNSBC-L	3	64	32	2
BNSBC-XL	3	128	64	2

Standard Configurations

SBC WITH ISDN INTERFACE

Model	Description	Max Concurrent PSTN Channels	Max Concurrent Sessions
BNSBC-M-4BRI	4 BRI/S0 Modular VoIP Session Border Controller	16	8
BNSBC-M-2HYB	2 BRI/S0 and 2 FXS Modular VoIP Session Border Controller	16	8
BNSBC-L-4BRI	4 BRI/S0 Modular VoIP Session Border Controller	64	32
BNSBC-L-1PRI	1 PRI E1/T1 Modular VoIP Session Border Controller	64	32
BNSBC-L-2PRI	2 PRI E1/T1 Modular VoIP Session Border Controller	64	32
BNSBC-XL-2PRI	2 PRI E1/T1 Modular VoIP Session Border Controller	128	64

SBC WITH ANALOG INTERFACE

Model	Description	Max Concurrent PSTN Channels	Max Concurrent Sessions
BNSBC-M-4FXS	4 FXS Modular VoIP Session Border Controller	16	8
BNSBC-M-4FXO	4 FXO Modular VoIP Session Border Controller	16	8
BNSBC-L-4FXO	4 FXO Modular VoIP Session Border Controller	64	32

beroNet Modules

ANALOG INTERFACE

Model	Description
BNMO-2HYB	adds 2 BRI and 2 FXS ports
BNMO-4FXO	adds 4 FXO ports
BNMO-4FXS	adds 4 FXS ports

ISDN INTERFACE

Model	Description
BNMO-2HYB	adds 2 BRI and 2 FXS ports
BNMO-4BRI	adds 4 BRI ports
BNMO-1E1	adds 1 PRI/E1 port
BNMO-2E1	adds 2 PRI/E1 ports
BNMO-1PRI	adds 1 PRI T1/E1 port
BNMO-2PRI	adds 2 PRI T1/E1 ports

FEATURES

- Make IPBX Systems, VoIP Providers and legacy PBX compatible
- Adapt SIP Headers
- Secure the IPBX with topology hiding, and common attack prevention
- Easy to manage via WebGUI
- Convert from TCP to UDP, RTP to SRTP, varying codecs
- Hybrid: legacy Modules on available: ISDN (BRI, PRI), Analog (FXS, FXO), 2G/3G/4G
- Failover options via PSTN or GSM, Survival Branch PBX App available
- Tough, no moving parts
- Low power consumption
- Cloud managed
- Expandable additional Gateways and Apps

GENERAL SPECS

- Two or three module slots depending on the specific model
- microSD card slot
- G.711 including echo cancellation (G.168/G.165, 128ms)
- Voice activity detection / comfort noise generation
- DTMF digit detection and generation
- T.38 Fax Relay (V.27, V.29 and V.17)
- SIP user agent IETF RFC3261 compatible
- SIP via UDP/TCP with optional TLS support, SRTP
- "TDM Bridging" of two beroNet devices via PCM Bus
- Power supply: 110-230V, operating 12V DC at 2A
- Average power consumption: 6 Watts (24 Watt maximum)
- CE, FCC and ACMA compliant

DIMENSIONS AND WEIGHT

- Dimensions: L & XL - 218 x 170 x 42 mm; M - 168 x 170 x 42 mm
- Weight: 500 g
- Mounting: 1 U; optionally available 19" rack brackets; wall-mountable

ENVIRONMENT

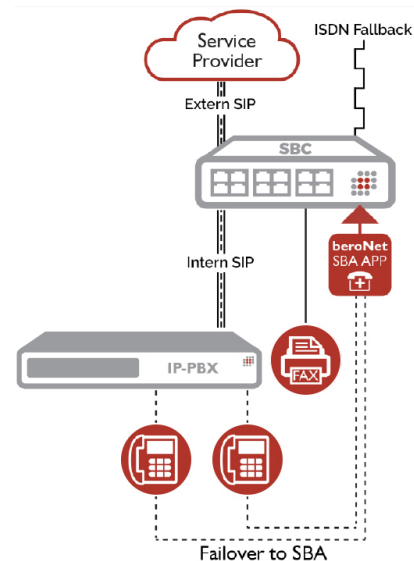
- Storage temperature: -20° to 70°C / Operating temperature: 0° to 40°C
- Humidity: up to 90%, non-condensing

Analog devices & SIP Failover

- Connect analog devices to IP-PBX
- IP-PBX failover to ISDN
- SIP phone failover to SBA App

beroNet Cloud

With the beroNet Cloud you can quickly install, monitor and manage beroNet VoIP products.



Cloud
Managed



Compatible with
any IPBX



Fast
Installation



Though, no
small parts



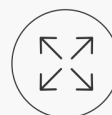
Energy
Efficient



Modular
& Flexible



100%
Silent

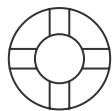


Easy
Expandable



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SUPPORT



SERVICES



OUR BLOG

