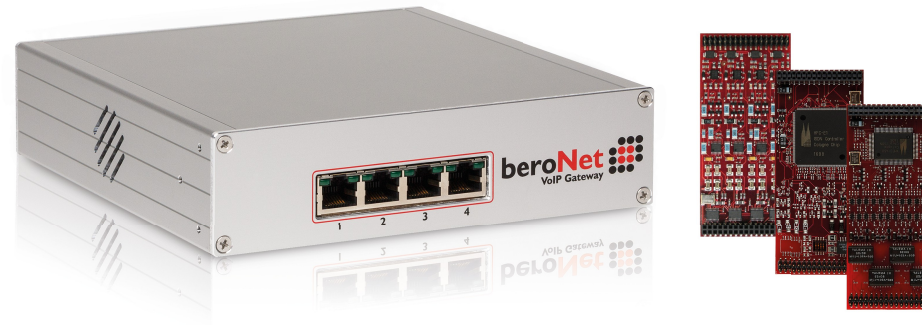


 Made in Germany

beroNet

Cloud managed & monitored
VoIP Gateways and Appliances



About beroNet

The **world's first Cloud Managed Gateways** and Appliances

Europe's leading manufacturer of ISDN-,
Analog-, Hybrid- and GSM VoIP Access Technologies

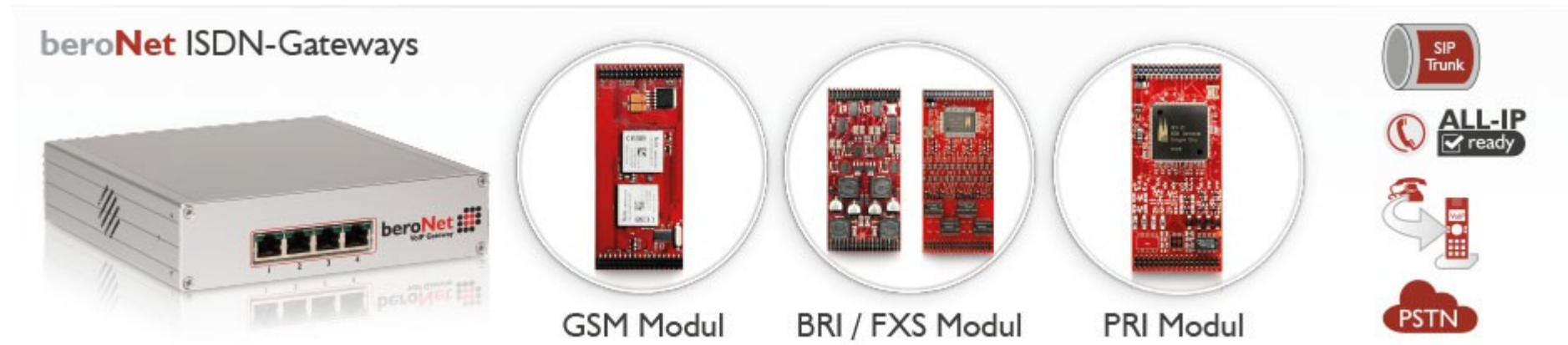
- **Experts in VoIP Technology**
- Direct manufacturer **Support** for clients & certified Partners



Milestones of beroNet

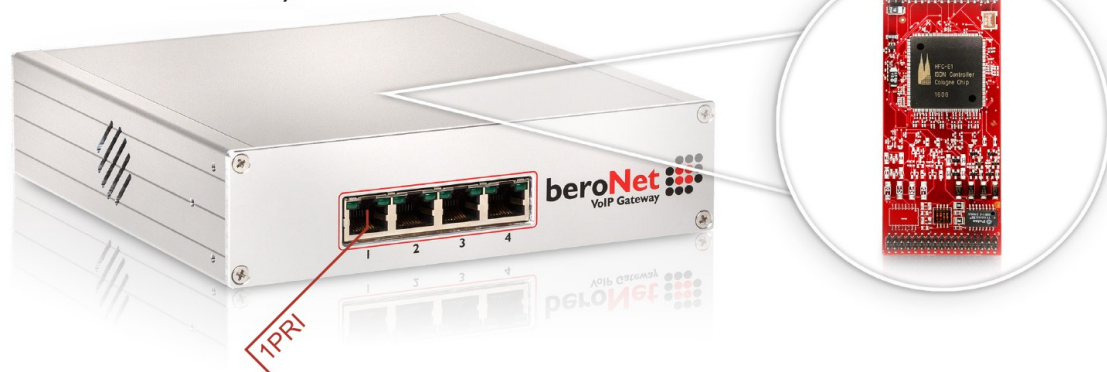


ISDN Gateways

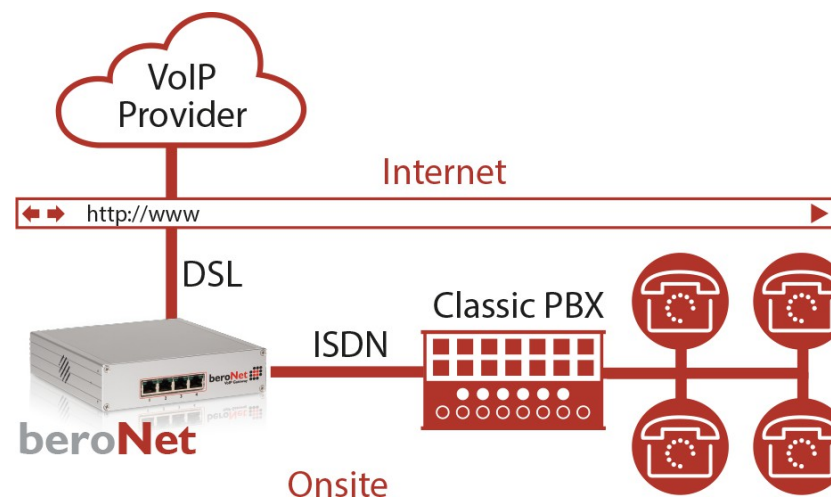


beroNet 1 PRI (S2M, E1) Gateway

 Made in Germany



SIP Trunk Gateway



- » Compatible with all PBX Systems
- » Usable for almost any VoIP Provider
- » Cost savings due to further use of the proprietary PBX

5 Good Reasons for beroNet PRI 1 Gateways

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Flexible & Modular
- ✓ ISDN / Analog / GSM
- ✓ Tough & Expandable

Ideal for

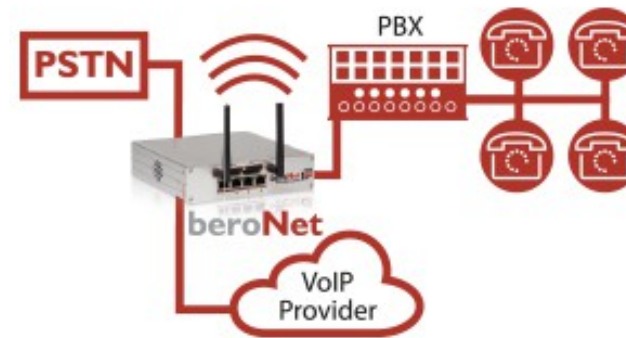
- ➔ All-IP Migration
- ➔ VoIP-PBX

beroNet 2 PRI Gateway

 Made in Germany



Soft Migration (VoIP Migration)



5 Good Reasons for beroNet 2 PRI Gateways

- ✓ Driver Free Technology
- ✓ Cloud Managed
- ✓ Modular (ISDN, Analog, GSM)
- ✓ 5 Minute Installation
- ✓ Tough & Expandable

Ideal for

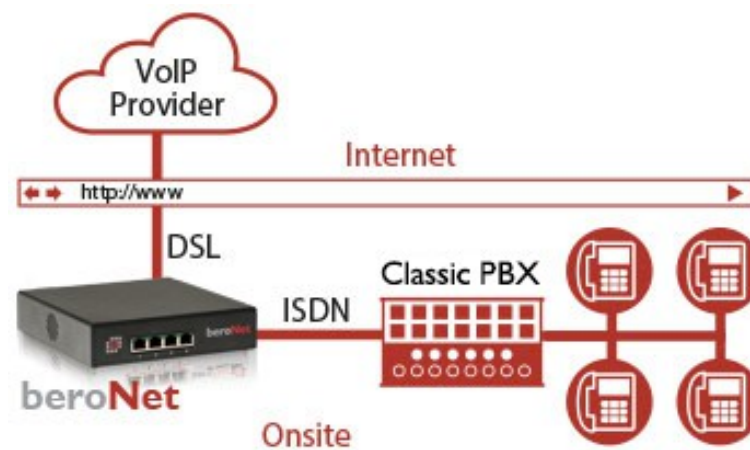
- ➔ Soft Migration

- » Step By Step Migration
- » Cost savings through integration of proprietary PBX
- » The proprietary PBX continues to act as a backup system

beroNet 1 BRI Gateway



SIP Trunk Gateway



- » Compatible with all PBX Systems
- » Usable for almost any VoIP Provider
- » Cost savings due to further use of the proprietary PBX
- » Covers more than **85%** of the PBX Market

5 Good Reasons for beroNet 1 BRI Gateways

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Highly Flexible
- ✓ ISDN / Analog / GSM
- ✓ Connects SIP with GSM

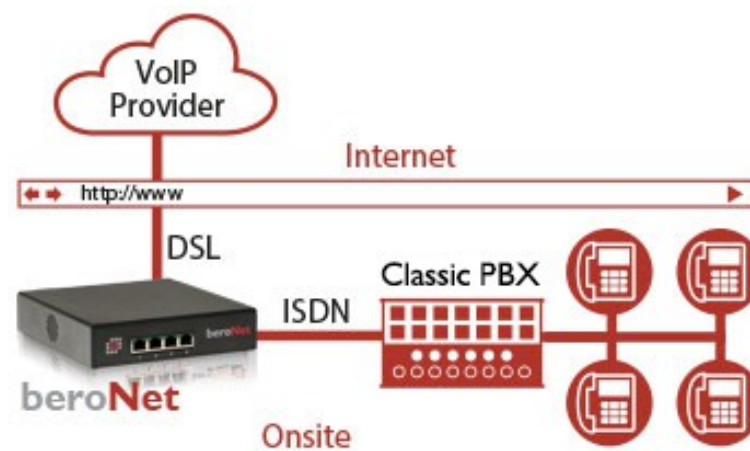
Ideal for

- ➔ PSTN Connections
- ➔ SME

beroNet 2 BRI Gateway



SIP Trunk Gateway



- » Compatible with all PBX Systems
- » Usable for almost any VoIP Provider
- » Cost savings due to further use of the proprietary PBX
- » Covers more than **85%** of the PBX Market

5 Good Reasons for beroNet 2 BRI Gateways

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Highly Flexible
- ✓ ISDN / Analog / GSM
- ✓ Connects SIP with GSM

Ideal for

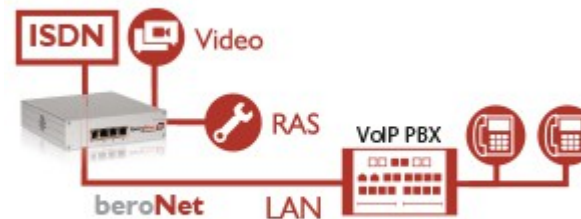
- ➔ PSTN Connections
- ➔ SME

beroNet 4 BRI Gateway

 Made in Germany



**PSTN connection
without loss of quality**



5 Good Reasons for
beroNet 4 BRI Gateways

- ✓ Driver Free Technology
- ✓ Cloud Managed
- ✓ Modular (ISDN, Analog, GSM)
- ✓ 5 Minute Installation
- ✓ Tough & Expandable

Ideal for

- ➔ PSTN Connections

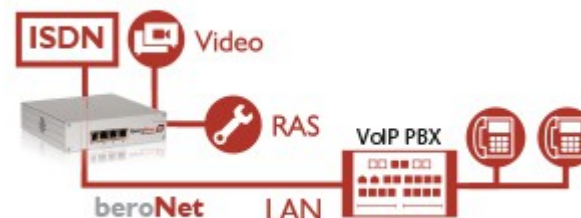
- » Advantages of both world's: ISDN & VoIP
- » Further Use of high-quality ISDN
- » Integration of ISDN Dataservice & Video Telephony

beroNet 2 BRI / 2 FXS Gateway

 Made in Germany



**PSTN connection
without loss of quality**



5 Good Reasons for
2 BRI / 2 FXS Gateways

- ✓ Driver Free Technology
- ✓ Cloud Managed
- ✓ Modular (ISDN, Analog, GSM)
- ✓ 5 Minute Installation
- ✓ Tough & Expandable

Ideal for

- ➔ PSTN Connections

- » Advantages of both world's: ISDN & VoIP
- » Further Use of high-quality ISDN
- » Integration of ISDN Dataservice & Video Telephony

Analog Gateways



beroNet 4 FXS Gateway

 Made in Germany



Analog SIP Gateway



- » Operation of Analog devices
- » Top Quality Fax Over IP
- » Modems Over IP

5 Good Reasons for beroNet 4 FXS Gateways

- ✓ Driver Free Technology
- ✓ Cloud Managed
- ✓ Modular (ISDN, Analog, GSM)
- ✓ 5 Minute Installation
- ✓ Tough & Expandable

Ideal for

- ➔ Operation of Analog devices
- ➔ Top Quality Fax Over IP

beroNet 4 FXO Gateway

 Made in Germany



PSTN connection without loss of quality



5 Good Reasons for beroNet 4 FXO Gateways

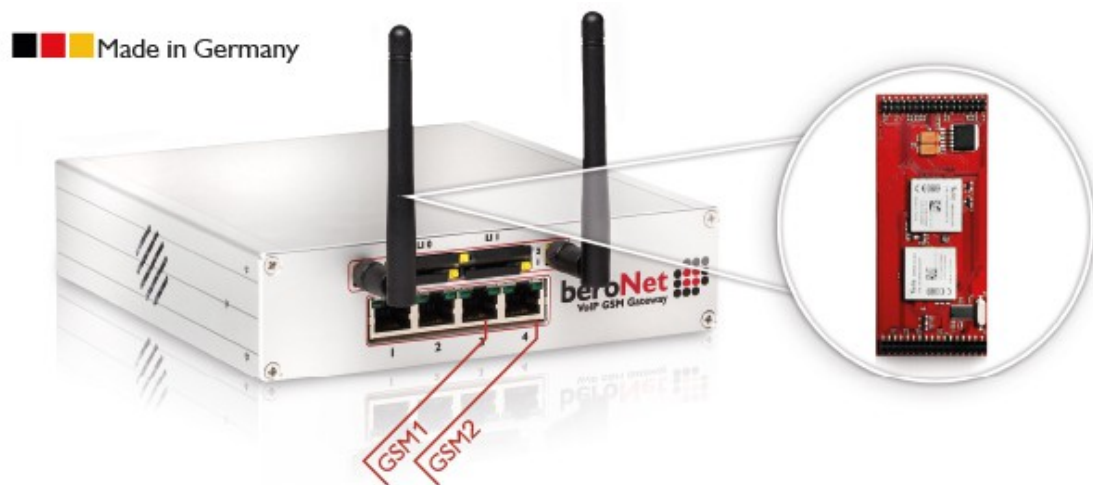
- ✓ Driver Free Technology
- ✓ Cloud Managed
- ✓ Modular (ISDN, Analog, GSM)
- ✓ 5 Minute Installation
- ✓ Tough & Expandable

Ideal for

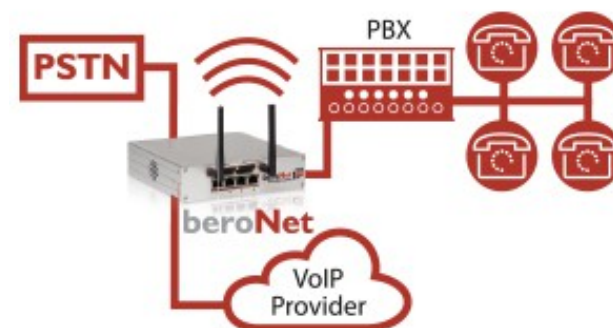
- ➔ PSTN Connection
- ➔ Failover Solution

- » Advantages of both world's: ISDN & VoIP
- » Further Use of high-quality ISDN
- » Integration of ISDN Dataservice & Video Telephony

beroNet 2 GSM Gateway



Least Cost Routing



5 Good Reasons for beroNet GSM Gateways

- ✓ Driver Free Technology
- ✓ Cloud Managed
- ✓ Modular (ISDN, Analog, GSM)
- ✓ 5 Minute Installation
- ✓ Tough & Expandable

Ideal for

- ➔ Connection of SIP to GSM
- ➔ Least Cost Routing

- » Low Cost Solution - immediate cost savings
- » No other Hardware or Software necessary
- » Routing of calls from GSM, VoIP or ISDN

beroNet Telephony Appliance

The Complete hybrid IPBX Solution with integrated Gateway



OPTIONAL	
Telephony Appliance	Telephony Appliance
 Version	 Version
✓ 30 GB SSD	✓ 120 GB SSD
✓ 2 GB RAM	✓ 4 GB RAM
✓ 1 Network-Card	✓ 2nd Network-Card

VoIP Only Version
With 2nd Network-Card



The beroNet Telephony Appliance is directly visible in the respective network and can be easily configured via the beroNet Web GUI.

Included USB stick for easy installation of the following PBX systems:



VoIP Only Appliance



IPBX Appliance



- » Compatible with any IPBX Solution
- » 19" rack mountable
- » 2nd Network-Card

5 Good Reasons for beroNet Appliances

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Flexible & Modular
- ✓ ISDN / Analog / GSM
- ✓ Tough & Expandable

Ideal for

- ➔ IPBX Appliance

Appliance 4 FXO Version



PSTN Hybrid PBX



- » Covers the advantages of analog and VoIP
- » Compatible with many VoIP PBX
- » Fallback on PSTN

5 Good Reasons for beroNet Appliances

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Flexible & Modular
- ✓ ISDN / Analog / GSM
- ✓ Tough & Expandable

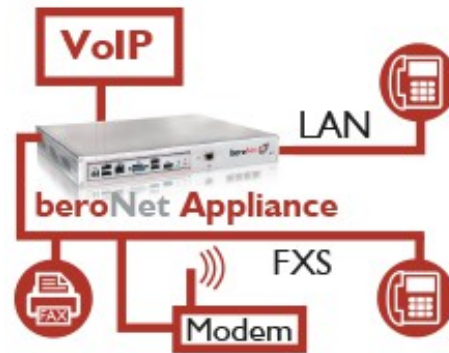
Ideal for

- ➔ IPBX Appliance

Appliance 4 FXS Version



IPBX with analog devices



- » Further operation of analog devices
- » Fax and Modems
- » Robust hardware solution

5 Good Reasons for beroNet Appliances

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Flexible & Modular
- ✓ ISDN / Analog / GSM
- ✓ Tough & Expandable

Ideal for

- ➔ IPBX Appliance

Appliance PRI 1 Version



ISDN Hybrid PBX



- » Connection of VoIP to ISDN
- » Advantages of both world's
- » Compatible with many VoIP PBX Systems

5 Good Reasons for beroNet Appliances

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Flexible & Modular
- ✓ ISDN / Analog / GSM
- ✓ Tough & Expandable

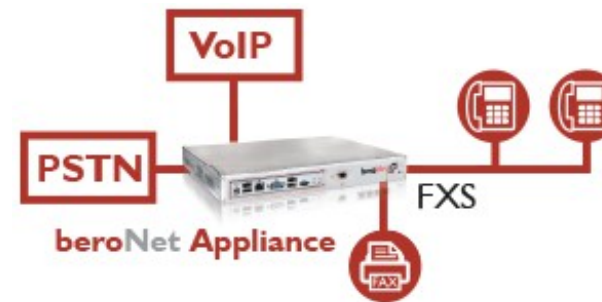
Ideal for

- ➔ IPBX Appliance

Appliance 2 BRI / 2 FXS Version



ISDN Hybrid PBX



- » Connection of Analog to ISDN
- » Advantages of both world's
- » Further Use of Fax devices

5 Good Reasons for beroNet Appliances

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Flexible & Modular
- ✓ ISDN / Analog / GSM
- ✓ Tough & Expandable

Ideal for

- ➔ IPBX Appliance

Appliance 2 GSM Version



GSM Hybrid PBX



- » Failover Solution to GSM
- » SMS transmission possible
- » Mobile PBX

5 Good Reasons for beroNet Appliances

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Flexible & Modular
- ✓ ISDN / Analog / GSM
- ✓ Tough & Expandable

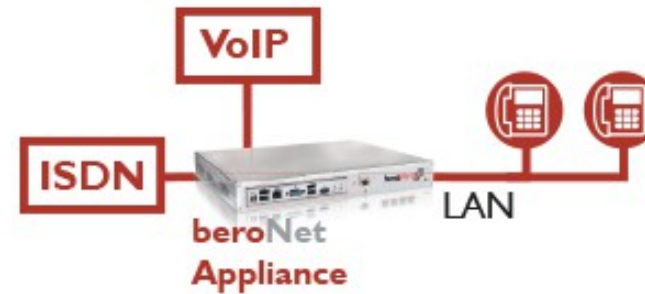
Ideal for

- ➔ IPBX Appliance

Appliance 4 BRI Version



ISDN Hybrid PBX



- » Connection of VoIP with ISDN
- » Advantages of both world's
- » Fallback on ISDN

5 Good Reasons for beroNet Appliances

- ✓ Cloud Managed
- ✓ 5 Minute Installation
- ✓ Flexible & Modular
- ✓ ISDN / Analog / GSM
- ✓ Tough & Expandable

Ideal for

- ➔ IPBX Appliance

beroNet Failover Switch (FOS)

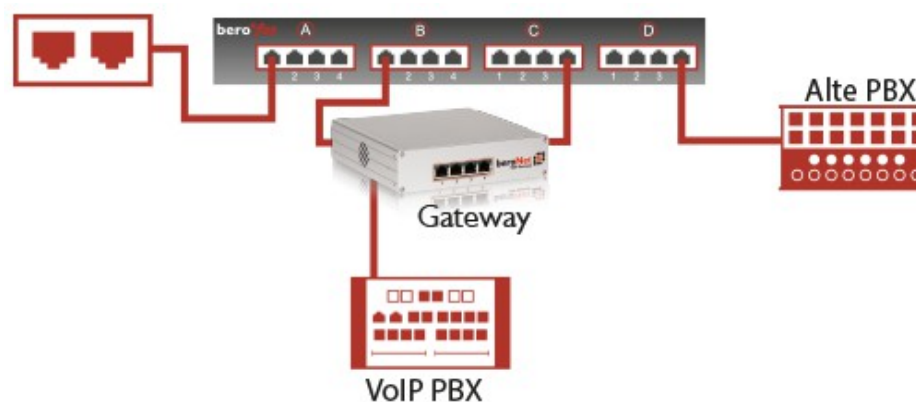
■ ■ ■ Made in Germany



- » Compatible with any PBX
- » Independent of the technology (Analog, ISDN)
- » Bypass scenario
- » Tough & Expandable
- » Controlled via IP
- » Automatic Failover via Watchdog
- » Easy-To-Use Web GUI

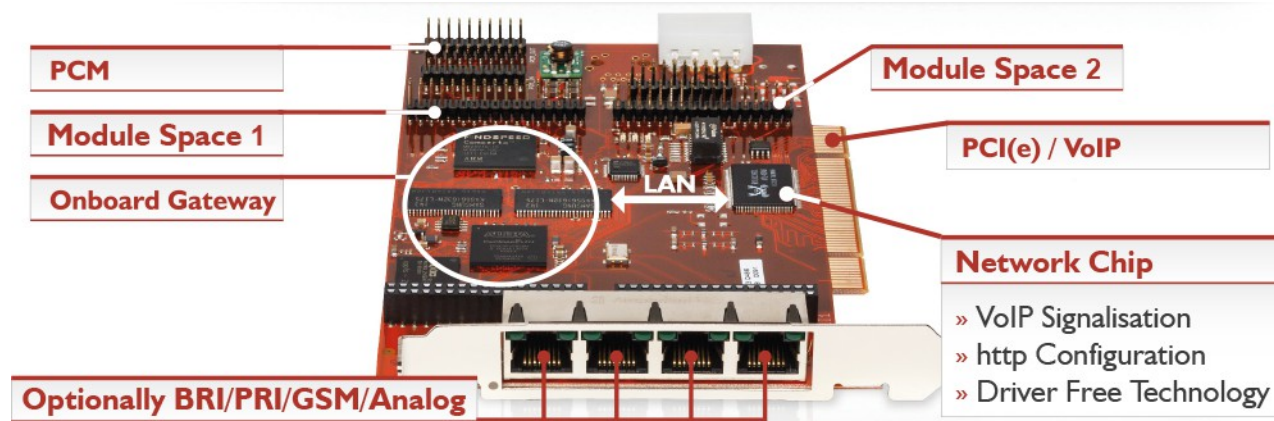
■ ■ ■ Made in Germany

Failover Scenario

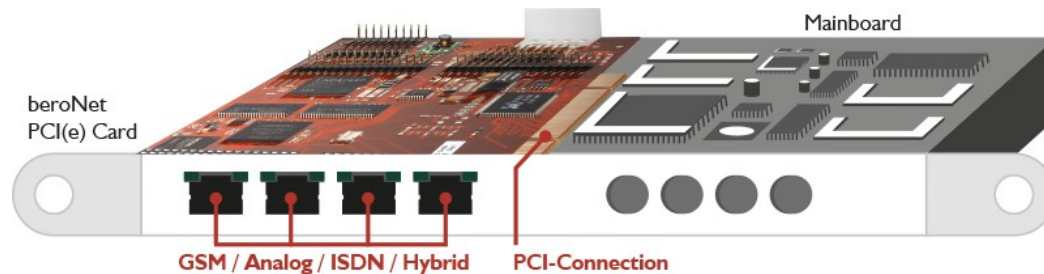


- » Failover Solution in case of fallout of PBX
- » PBX Clustering

beroNet PCI(e) Cards

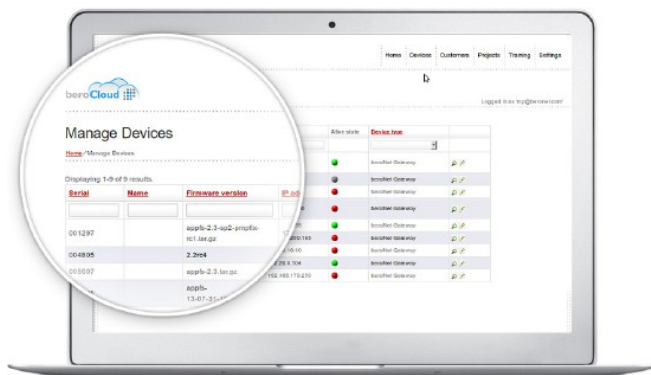


- » Interface for the card is SIP
- » Large Interface diversity:
VoIP, GSM, ISDN and/or Analog
- » Hybrid: up to 2 Modules on one card
- » No driver or API necessary
(system recognizes the card as Realtek network-card)



PCIe	Technology
BF4002S02FXSe	2x ISDN BRI, 2x Analog (FXS)
BF4004S0e	4x ISDN BRI
BF16001E1e	1x ISDN PRI
BF4004FXOe	4x ANALOG (FXO)
BF4004FXSe	4x ANALOG (FXS)
BF4002GSM	2x GSM

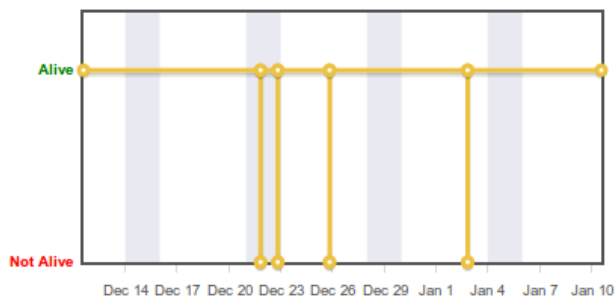
The beroNet Cloud: The world's first cloud-based SaaS solution for VoIP devices



Administration of:

- » VoIP devices (Gateways, Appliances, PCI(e) Cards)
- » Clients
- » Projects
- » Remote Control of devices in the field
- » Tasks with organizer (i.e. automatical updates)
- » Dashboard with device status
- » Message in case of dysfunction
- » Backup and recovery of your configuration

Thanks to the easy-to-use Web Interface of the beroNet Cloud all beroNet products can be quickly configured and administrated via any Web Browser



Intuitional Web-GUI:

- ✓ Easy operation of the Cloud from any Web Browser

Updates & Configuration:

- ✓ Configuration & Updating of all Gateways at once in the field

Location Management:

- ✓ Management of multiple Gateways from one central location

Absolute Security:

- ✓ Gateway sends from the inside through the Firewall current status to the Cloud

Advantages of the beroNet Gateways:



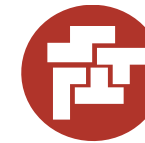
Cloud Managed VoIP
Gateways & Appliances



Compatible
with any IPBX



5 Minute
Installation



Flexible & Modular:
BRI, PRI, FXS, FXO, GSM



Cloud managed & monitored
VoIP Gateways and Appliances

beronet Testimonials

” beroNet is an important partner of 3CX. Their engineering excellence has been proven in many joint deployments where 3CX and beroNet were able to deliver a cutting edge and reliable PBX solution for customers worldwide.

3CX Nick Galea, CEO of 3CX

” The most important factor while developing the new Askozia Appliance was the uncompromising quality of all components. Only the beroNet PCI Cards could meet this high requirements.



Sebastian Kaiser, CEO of Askozia

” The beroNet Telephony Appliance provides an ideal hardware platform for the deployment of our IPBX for our customers.

IPTAM[®] Karsten Wemheuer, CEO of Iptam

” We could easily install the beroNet Gateways in our Cisco Unified Communications Manager environment thanks to the user friendly Web GUI. The beroNet Gateways offer a great cost-performance ratio. The flexibility of beroNet allowed us to quickly get applications especially developed for our particular needs.



Nicolas Nguyen, Director of Development Infrastructure Orange

” The beroNet Failover Switch is a high quality ISDN switch, that allows us to generate a secure Hardware Backup for our cluster. Its reliability and robustness plays a crucial role for our VoIP Solutions.



Laurent Demange, Director Product & Sales Avencall SAS

” With the beroNet Cloud I can remote manage all the Gateways of my clients and don’t need to worry for my own administration system. This solution saves us time and gives my clients the secure feeling, that we can react fast in case of an outfall of the PBX System.

Thorsten Richter, Integrator at Netzwerkservice

” No other Gateway is integrated faster and easier.



Niels Hansen, Systems Engineer, Dierck Kommunikationstechnik Handels GmbH



Cloud managed & monitored
VoIP Gateways and Appliances

Compatible with:

