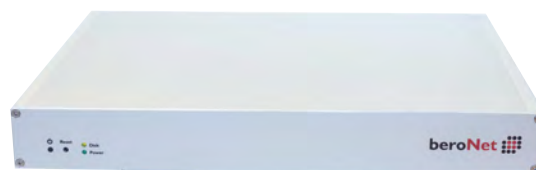**beroNet**

Hybrid Appliance

uCPE powered by beroNet Hypervisor

Designed to manage your PBX easily

OVERVIEW

The beroNet Hybrid Appliance is a Universal Customer Premises Equipment (uCPE) with an integrated SBC Gateway. This all-in-one solution is the perfect fusion of virtualization and gateway functionality for the PBX software of your choice. Multiple Virtual Network Functions (VNFs) can be run on a single device with the pre-installed beroNet Hypervisor. A very intuitive web interface makes configuration and management easy and fast. The silent and energy efficient uCPE is designed for long life and can be remotely and securely managed via the beroNet Cloud.

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Hybrid Appliance

Model	Description	Concurrent PSTN Channels	Max Concurrent Sessions Transparent / Transcoding
EXPANDABLE WITH ADDON MODULES			
BNUCPE-M-4XO4XS	uCPE with 4FXO / 4FXS analog SBC Gateway (1 free slot) with dual NIC	8	128 / 8
BNUCPE-M-2HY	uCPE with 2BRI / 2FXS analog / ISDN SBC Gateway (2 free slots) with dual NIC	6	128 / 8
BNUCPE-M-4BRI	uCPE and 4 BRI analog SBC Gateway (2 free slots) with dual NIC	8	128 / 8
BNUCPE-M-4FXS	uCPE and 4FXS analog SBC Gateway (2 free slots) with dual NIC	4	128 / 8
BNUCPE-M-4FXO	uCPE and 4FXO analog SBC Gateway (2 free slots) with dual NIC	4	128 / 8
BNUCPE-L-1PRI	uCPE and 1PRI ISDN SBC Gateway (2 free slots) with dual NIC	30	128 / 32
BNUCPE-L-2PRI	uCPE and 2PRI ISDN SBC Gateway (2 free slots) with dual NIC	60	128 / 32

All models are equipped with 8 GB of RAM, 128 GB of SSD and mSATA.

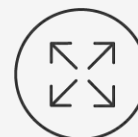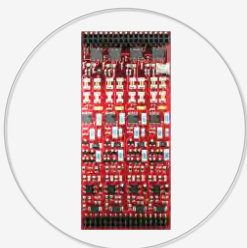| Cloud Managed	Compatible with any IPBX	Fast Installation	Tough, no moving parts	Energy Efficient	100% Silent	Easy Expandable

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Software Features

- Type 1 Hypervisor (Xen) for maximum VM performance
- Easy to use beroNet Hypervisor Web GUI
- Market with pre-built VM apps and ISO files

- Orchestrated via beroNet Cloud
- Automated Backup Scheduler
- Compatible with any IP PBX

Hardware Features uCPE

- No moving parts, fanless cooling
- Intel Celeron Quadcore (N2940) with 1.83 GHz, 2.25 GHz Burst Frequency, 2 MB L2 Cache, TDP 7,5 W
- 8GB DDR3 RAM
- 128GB mSATA SSD, storage expandable
- VT-x and VT-x/EPT for virtualization
- Two network interfaces (1 GbE)
- 1x HDMI, 1x VGA, 2x USB 3.0 ports
- 12V power, average power consumption: 10 Watts (max. 30W)

- Dimensions: 340 x 255 x 42 mm
- Weight: 500 g
- High quality aluminium housing
- Mounting 1 U, optional available: 19" rack brackets, wall-mountable
- Storage temperature: -20° to 70°C
- Operating temperature: 0° to 70°C
- Humidity: up to 90%, non-condensing

General Specifications SBC Gateway

- Three module slots (PRI, BRI, FXO, FXS, hybrid)
- 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 1.2 support, SRTP
- Average power consumption: 6 Watts
- CE, FCC and ACMA compliant

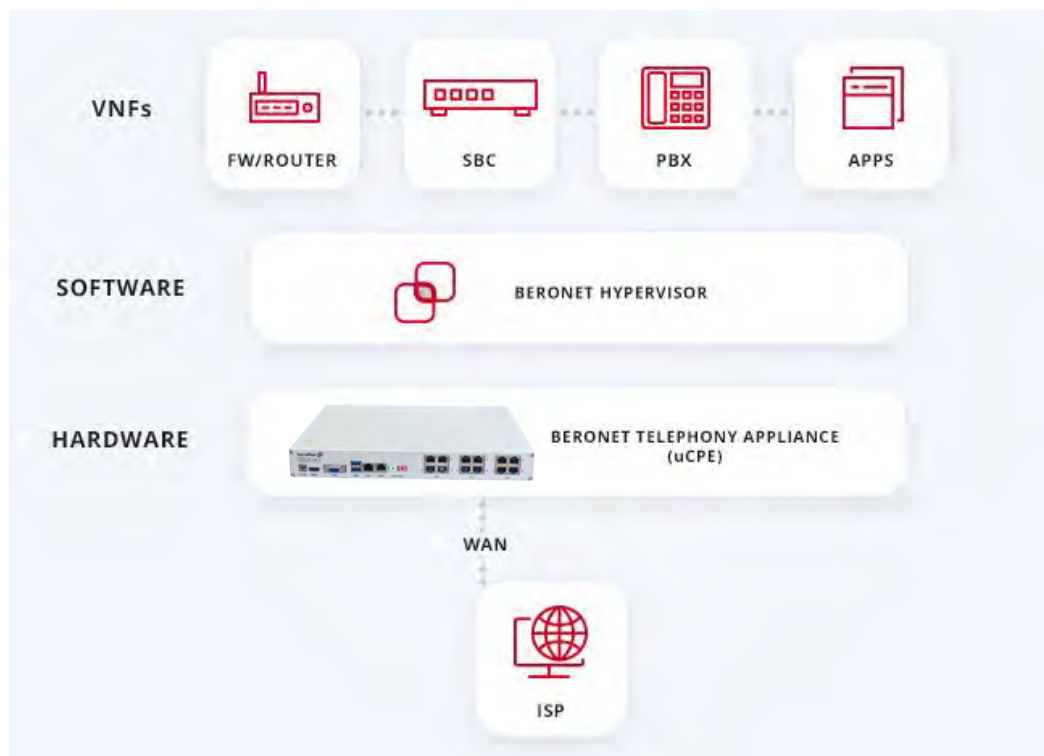FXO   FXS   Hybrid 2 BRI / 2 FXS   BRI   PRI

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Virtualize your PBX
with integrated
gateway
functionality

Powered by the beroNet Hypervisor

Each beroNet uCPE comes with the beroNet Hypervisor, allowing multiple virtual network functions (VNFs) to run on a single hardware at the same time. This flexible and scalable platform operates as the communications hub of an organization, with the ability to hold systems such as an IP PBX, router, firewall and CRM. Remote management and monitoring of the virtual machines are enabled via the beroNet Cloud.

Need more info?

Please use our support portal or check out our services!
We can help you with training, consulting and development.

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