2N® BRI Gateways
2N® BRI Lite & 2N® BRI Enterprise

Reduce your phone call costs with BRI ISDN gateways

Digital BRI ISDN gateways are the optimal solution for SOHOs and SMEs with a high number of calls to mobile networks. Our gateways offer a powerful, and at the same time cost-effective solution that provides direct connection between your PBX and GSM/UMTS networks, resulting in a substantial reduction in the costs of calling mobile phones.

Our gateways also provide a number of advanced features and services which save costs, as well as time, and make everyday phone usage substantially easier.
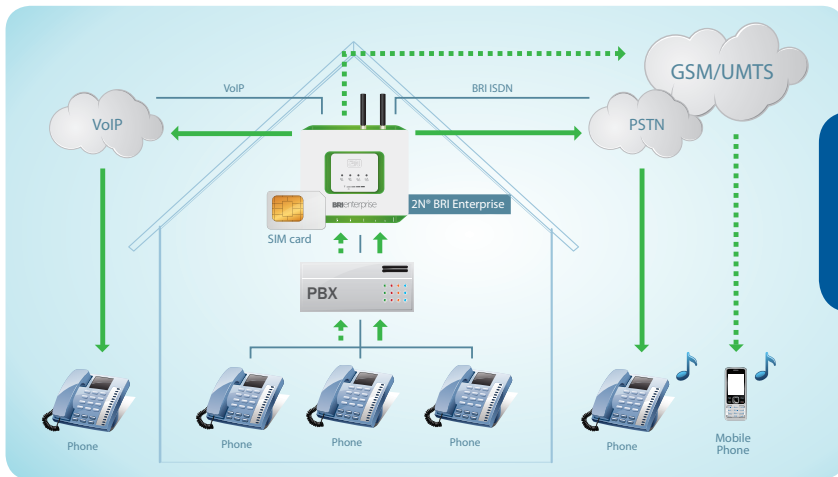
Features:
- Least cost routing (LCR) – time profile, free-minute counter
- 2N® Mobility Extension and Callback service
- VoIP – SIP interface for connection to an alternative carrier
- Send/receive SMS via a web interface
- SMS if there is no answer, Auto CLIP routing
- DialThru function (Available with 2N® BRI Enterprise)

Benefits:
- Significant cost reduction
- Comfortable web interface for easy configuration
- Greater employee mobility
- Connection to BRI ISDN, VoIP-SIP and GSM/UMTS networks
- ISDN BRI line monitoring with SMS alert

VoIP-SIP interface
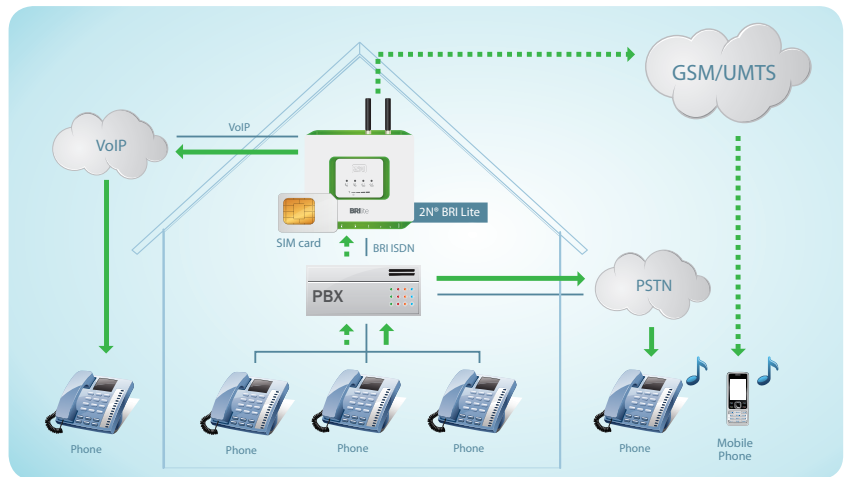
How does 2N® BRI Gateways work?

Target groups:

- SOHO
- SME
- Emergency lines (monitoring)

This product is intended for all SOHO and SME companies with digital BRI connections that want to save costs on calls to GSM / UMTS networks.

Connection to VoIP networks

The ability to connect your private telecommunication network/PBX to an alternative telecommunication provider. Your PBX will receive a new and modern VoIP-SIP interface, which gives you another way to reduce costs on calls.

Features:

Least Cost Router (LCR)
The Least Cost Router (LCR) can select the cheapest route. Each outgoing call is routed to the right-cheapest network according to the time and number called. 2N® BRI Gateways can route according to special free-minute tariffs (different free minutes to your own, PSTN and other networks) and route the call to the right one. And save you money.

2N® Mobility Extension
You will no longer miss a single call and you can always be reached on one number via your mobile phone, wherever you are. It's up to you if you answer the incoming call on your desk phone or mobile phone. Similarly, outgoing calls from your mobile phone can be identified under a company number. On top of that, your mobile becomes a fully functional part of the 2N® BRI Gateway communications system with all its services – you can, for example, transfer or hold calls from your mobile phone.

Callback service
The Callback service is intended for all those who want to save money when calling from abroad. It enables you to take advantage of the fact that incoming roaming calls are always cheaper than outgoing ones. The 2N® BRI Gateway can call you back when you are abroad and connect your international call immediately after receiving your request. This can be simply done by calling the number of the SIM card in the GSM gateway and letting it ring just once.

Technical parameters

ISDN BRI	
Number of ports	1x NT and 1x TE (2N® BRI Enterprise) 1x NT or 1x TE (2N® BRI Lite)
Details	S0 interface, Point to point , Point to multipoint, Signalling DSS1, Connection via RJ45 connectors
VoIP	
Signalling	SIP (TCP, UDP), DTMF sending RFC2833
Voice codecs	G.711 PCM (A-law, μ-law), G.729 Annex AB
Wireless	
Number of channels	2
Networks bands	GSM 850/900/1800/1900 MHz, UMTS 850/1900/2100 MHz

Antenna	
Number	2
Connector	SMA fiale, 50 Ω impedance
Ethernet	
Connection type	LAN 10/100BaseT, RJ45
Protocols	IP,TCP,UDP,RTP,TELNET,HTTP,SIP
Administration method	Web interface, AT commands
Power supply	
Type	External power adapter 90-230V, 50-60Hz to 12V DC 2A
Dimensions	162 mm x 156 mm x 35 mm (w/o connectors)
Operating temperature	0-45°C