ISDN BRI Gateways

Digital Way to GSM or UMTS Networks

★ **Sophisticated LCR**

★ **Free minutes counting**

★ **Auto CLIP routing**

★ **SMS at no answer**

★ External Synchronization option

★ Optional Ethernet interface

★ GSM or UMTS support

The 2N ISDN BRI gateways provide a cost-effective solution for small and medium size companies with a high proportion of calls to/from GSM and UMTS networks. All calls established from a PBX to mobile networks and backwards are routed through this gateway and expensive calls to GSM / UMTS networks over PSTN are avoided. Thanks to the powerful and efficient LCR (Least Cost Router) the gateways always select the cheapest route for any call. The calls are routed according to prefixes of mobile operators, time, free minutes on SIM cards, etc.
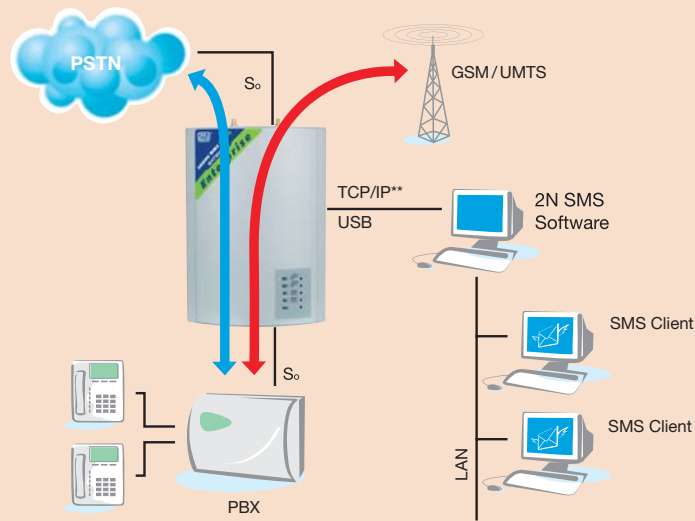
The 2N BRI Lite gateway is an ideal solution for PBX with dedicated BRI interfaces for GSM gateway. On the other hand, 2N BRI Enterprise gateway may be installed on an existing BRI trunk without the need of additional BRI interface on PBX side. BRI Enterprise gateway has also option for external synchronization from ISDN network in a case, the PBX can not handle multiple synchronization sources.

The 2N BRI Enterprise gateway offers optional Ethernet interface for easy remote configuration and management, which guarantees instant access at any time for supervision purposes. For local management BRI Lite features RS-232 interface and BRI Enterprise features USB interface for more comfortable access.

The 2N ISDN BRI gateways offer to their users very handy features like Auto CLIP Routing, SMS at no answer, Callback functions etc. With additional 2N SMS Server software application the BRI gateways enable all LAN users to send and receive SMS messages over comfortable and user friendly interface. The 2N ISDN BRI gateways are also available in a version for 19″ rack.

Case study

Technical Parameters

	2N GSM ISDN Gateway Lite	2N BRI Enterprise
BRI ISDN		
Number of ports	1x NT/TE	1x NT and 1x TE
BRI ISDN details	S0 interface	S0 interface
	Point to point or Point to multipoint	Point to point or Point to multipoint
	Signalling EDSS1	Signalling EDSS1
	Connection via RJ45 connectors	Connection via RJ45 connectors
GSM		
Network types	900/1800 MHz	850/900/1800/1900 MHz *
GSM engine	TC35i	TC35i/MC55/ MC56
Sound quality	HR/FR/EFH	HR/FR/EFH/AM
Transmitter power	2 W (1 W)	2 W (1 W)
SIM card	Plug-in 3V SIM, one SIM per GSM channel	Plug-in 3V SIM, one SIM per GSM channel
UMTS		
Network types		UMTS 2100 MHz, EGSM 900/1800, GSM 850/1900
UMTS Engine		MC8755V
SIM card		Plug-in 3V USIM, one USIM per GSM channel
Antenna		
Antenna connector	SMA (female)	SMA (female)
	Impedance 50 W	Impedance 50 W
GSM channels	1 or 2**	1 or 2**
Mains		
Power supply	12V DC/1A adaptor	12V DC/1A adaptor
Chassis	Standalone or rack version	Standalone or rack version
Interfaces	RS232, D-Sub 9pin connector	USB, v 1.1, B type connector
		RJ45**
Remote control		
	GSM (CSD)	TCP/IP connection – remote serial port**
Others		
Dimensions	210x150x55 mm	210x150x55 mm
Operating temperature	0–45 °C	0–45 °C
Avalaible in 19" rack version	Yes	Yes

* depends on the GSM engine type   ** depends on the order number