

2N BlueTower

A unique PRI / VoIP - GSM Solution



- ★ Up to 8 GSM or 3G channels - scalable capacity
- ★ Up to 2 PRI ISDN interfaces
- ★ VoIP interface
- ★ Efficient Least Cost Routing (LCR) according to free minutes, prefixes etc.
- ★ SMS & Voice Callback
- ★ SMS at no answer
- ★ SMS server - SMS sending & receiving support
- ★ Call statistics and 100% control of all calls
- ★ GSM network monitoring
- ★ Optionally integrated antenna splitter
- ★ Comfortable remote control and maintenance
- ★ Correct tone detection



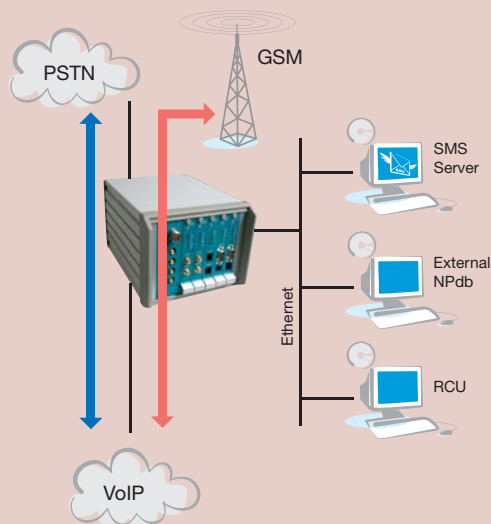
2N BlueTower is a VoIP / PRI - GSM / 3G Gateway with up to 8-channels.

It's an ideal solution for medium size enterprises with heavy traffic to GSM networks. 2N BlueTower reduces dramatically the costs of calls from fixed to mobile networks. This GSM Gateway converts fixed-to-mobile or mobile-to-fixed calls into much cheaper mobile-to-mobile calls. Thanks to the sophisticated Least Cost Router (LCR), all calls are always routed in the cheapest possible way.

With the Dynamic Clip Routing feature, incoming calls are always routed to the right extension according to a flexibly changing number database. 2 ISDN PRI interfaces allow you to install the device between the PBX and PSTN. This eliminates the need to install an additional PRI port over your PBX. Moreover, you do not need to reconfigure your PBX, which is very useful especially if your PBX is rather obsolete.



Case study



Technical Parameters

PRI ISDN	
Number of ports	1xNT/TE or 2x NT/TE
PRI ISDN details	S interface signalling EDSS1 (Q.931) QSIG (1xPRI)** Connection via RJ45 connectors
VoIP**	
Number of ports	1x
Protocol	SIP
Connector	RJ45
GSM	
GSM channels	From 2 to 8 (step2, max 4 in case of integrated antenna splitter)
Network types	850/900/1800/1900 MHz*
GSM engine	Siemens TC35i, MC45i, MC46i, MC55, MC56 and Wavecom
SIM card	Small plug-in, 3 V
Antenna connector	SMA (female), Impedance 50W
Antenna splitter (optional)	
Input connector	SMA (female), Impedance 50W
Output connector	N type (female), Impedance 50W
Isolation between two channels	>20dB
Antenna	
With splitter	High gain GSM YAGI antenna
Without splitter	Small GSM discreet antennas

Mains	
Power supply	External adapter 90-260V/50-60Hz
Power output	5V 4A
Local control	
	2x RS232 serial connection D-Sub 9 pin connector Transmit speed 57600b/s
Remote control	
	4External analog, ISDN, GSM modem TCP/IP (Telnet protocol) PRI ISDN DATA HTTPS, SSH, SMTP, SMS, SNMP ***
Other	
Dimensions (WxHxD)	186x133x256 mm (29HPx3Ux256mm)
Weight	3 kg
Operating temperature	20-50°C
Relative humidity	Max 95% at 40°C
Recommended	Air condition, Line interactive UPS
* depends on the GSM engine type	
** optional	
*** SNMP with the 2N RCU	



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