



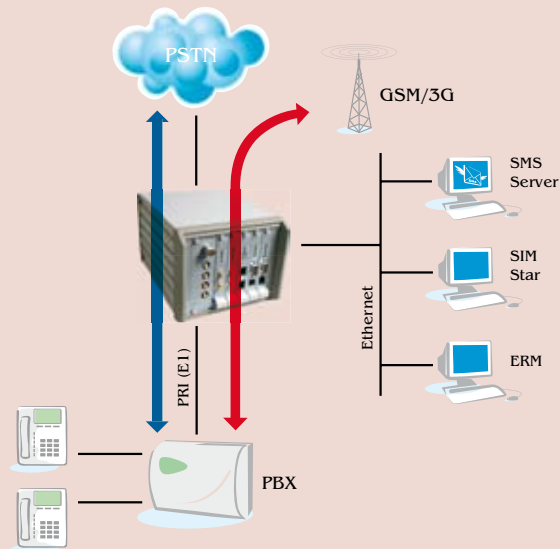
- ★ Up to 8 GSM or 3G channels - scalable capacity (hot swappable)
- ★ Up to 2 PRI ISDN interfaces
- ★ Optional VoIP support
- ★ Efficient Least Cost Router (LCR) according to free minutes, prefixes etc.
- ★ SMS & Voice Callback
- ★ SMS at no answer
- ★ 2N SMS server - SMS sending & receiving
- ★ Call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

**2N BlueTower is PRI – GSM / 3G gateway with up to 8 channels. It's an ideal solution for medium size enterprises with heavy traffic to GSM / 3G networks. 2N BlueTower reduces dramatically the costs of calls from fixed to mobile networks. This GSM / 3G 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	
<b>Number of ports</b>	1xNT/TE or 1 NT+ 1 TE
<b>PRI ISDN details</b>	S interface signalling EDSS1 (Q.931) Connection via RJ45 connectors
VoIP	
<b>Voice signalling</b>	SIP
<b>Number of voice channels</b>	30
<b>Codecs</b>	G.711 PCM at 64 kbps G.729, G.723
<b>PCM Companding</b>	A - law / u - law (selectable)
GSM	
<b>GSM channels</b>	From 2 to 8; 4 in case of integrated antenna splitter (step2)
<b>Network types</b>	850/900/1800/1900 MHz*
<b>GSM engine</b>	Cinterion (Siemens) MC55i Wavecom Q55
<b>SIM card</b>	Small plug-in, 3V
<b>Antenna connector</b>	SMA (female), Impedance 50 Ω
3G	
<b>UMTS channels</b>	From 2 to 4 (step 2)
<b>Network type</b>	UMTS
<b>UMTS engine</b>	Sierra Wireless MC8775V
<b>USIM</b>	Small plug-in, 3V
<b>Antenna connector</b>	SMA (female), Impedance 50 Ω

Antenna splitter (optional)	
<b>Input connector</b>	SMA (female), Impedance 50 Ω
<b>Output connector</b>	N type (female), Impedance 50 Ω
<b>Isolation between two channels</b>	>20dB
Antenna	
<b>With splitter</b>	High gain YAGI antenna, internal antenna
<b>Without splitter</b>	Small discreet antennas (SMA connector)
Mains	
<b>Power supply</b>	External adapter 90-260V/50-60Hz
<b>Power output</b>	5V / 8A; 100-240 VAC/1A
Local control	
	2x RS232 serial connection D-Sub 9 pin connector Transmit speed 57600b/s
Remote control	
	External analog, ISDN, GSM modem TCP/IP (Telnet protocol) x.75 transmission via PRI ISDN
Other	
<b>Dimensions (WxHxD)</b>	186x133x256 mm (29HPx3Ux256mm)
<b>Weight</b>	3 kg
<b>Operating temperature</b>	20-50°C
<b>Relative humidity</b>	Max 95% at 40°C
<b>Recommended</b>	Air condition, Line interactive UPS

\* depends on the GSM engine type



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