

# 2N VoiceBlue Lite

The Most Effective Way from IP to GSM Networks



- ★ Up to four GSM channel gateway
- ★ Standard SIP client
- ★ Least Cost Router (LCR)
- ★ Mobility Extension feature
- ★ 2N SMS server - support for SMS messages sending & receiving
- ★ LCR according to free minutes
- ★ Top voice quality (support EFR and AMR GSM codec)
- ★ DISA with voice navigation, user defined voice message for incoming calls
- ★ AutoCLIP routing – routing unanswered calls to the right IP phone
- ★ STUN services - for usage behind the firewall with dynamic IP address
- ★ Intelligent incoming call routing

**2N VoiceBlue Lite – an ideal complementary product to any SIP-based IP PBX. It allows the user to get from the IP to a GSM network and vice versa very cheaply. Target users are small, medium and large companies using IP telephony, traffic terminating companies or companies with international affiliates.**

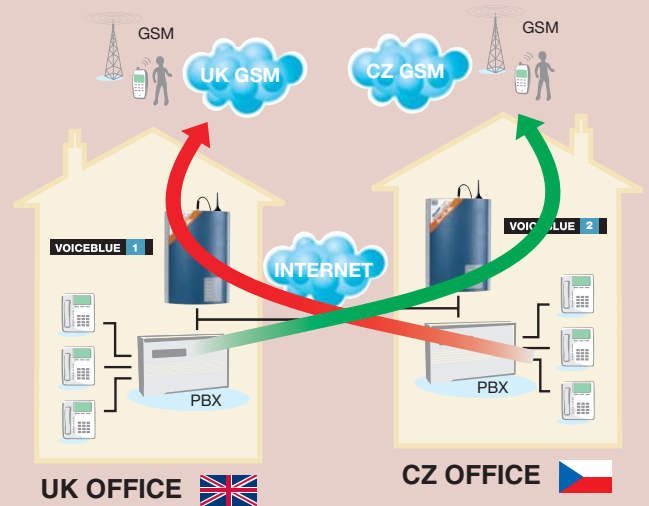
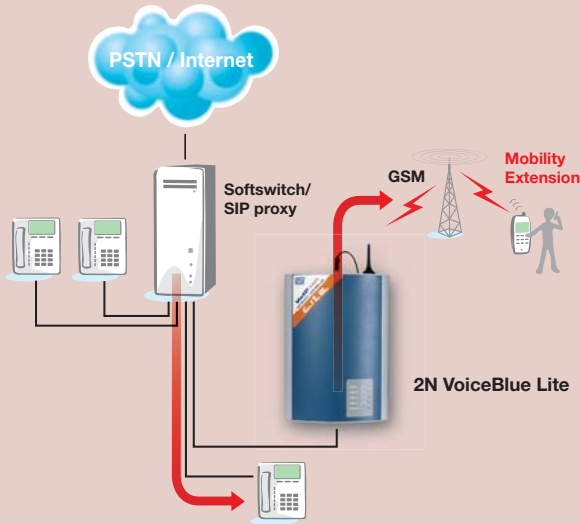
2N VoiceBlue Lite offers VoIP services, all functions and advantages of digital GSM gateways and many other features. Thanks to its efficient LCR, 2N VoiceBlue Lite always chooses the cheapest route to any GSM network. When using STUN services this VoIP GSM gateway can be connected to any LAN behind the router, which has NAT and dynamic IP address. With the help of voice prompts and efficient AutoCLIP routing, 2N VoiceBlue Lite always routes GSM incoming calls to the right IP phone.

2N VoiceBlue Lite also enables all LAN users to send and receive SMS messages - with 2N network application - the SMS server. The delivery status of any message can be obtained automatically.

With Mobility Extension functionality, while calling from your mobile phone (as a mobile extension through 2N VoiceBlue Lite), you can use all company PBX functions (Redirecting, VoiceMail, etc.). In addition to making calls to internal extensions, you can reduce your call costs.



# Case studies



## Technical Parameters

<b>VoIP</b>	
<b>Voice signalling</b>	SIP
<b>DTMF sending</b>	RFC2833
<b>Number of voice channels</b>	2, 4
<b>Codecs</b>	G.711 PCM at 64 kbps G.729/Annex A CS-ACELP at 8 kbps G.723.1 (optional) MP-MLQ/ACELP at 6,3/5,3 kbps
<b>Echo Cancellation</b>	G.168-2000; max. echo length 25 ms (15 ms for G.729A)
<b>VAD/CNG</b>	G.729B for G.729A coders
<b>(Silence Suppression)</b>	G.723.1A for G.723.1 coders
<b>PCM Companding</b>	A-law/u-law (selectable)
<b>Protocols</b>	
	TCP, UDP, IP, RTP, TELNET
<b>Interfaces</b>	
<b>Type/connector</b>	LAN 10 Base-T, RJ45 RS232 – AT interface, D-SUB9 USB 1.1 B type
<b>GSM</b>	
<b>GSM engines</b>	Siemens TC35i, Siemens MC55, Siemens MC56

<b>Antenna</b>	One external antenna SMA connector integrated antenna splitter for 4 or 2 GSM channels
<b>Administration</b>	
<b>Methods</b>	AT commands, comfortable administrator SW, Win98 and up
<b>Interface</b>	LAN, COM port, USB
<b>Power supply</b>	
<b>Type</b>	External power adapter 90-230 V 50/60 Hz to 12 V DC 2 A
<b>Power consumption</b>	Max. 20 W
<b>Operating Environment</b>	
<b>Operating temperature</b>	0–40 °C
<b>Operating humidity</b>	10–95 % (non condensing)
<b>Dimensions</b>	
<b>LxBxH</b>	220x150x50 mm
<b>Certification</b>	
<b>CE</b>	EN 60 950:2000 EN 55 024 EN 55 022 Class B



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