

2N VoiceBlue Lite

The Most Effective Way from IP to GSM Networks



- ★ Up to four GSM channel gateway
- ★ Standard SIP client
- ★ Least Cost Routing (LCR)
- ★ Intelligent incoming call routing
- ★ SMS server - support for SMS messages sending & receiving
- ★ LCR according to free minutes
- ★ Top voice quality (EFR super sound)
- ★ 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

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.

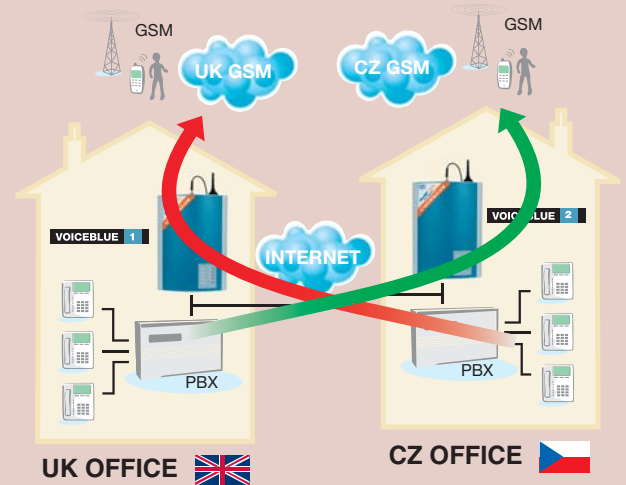
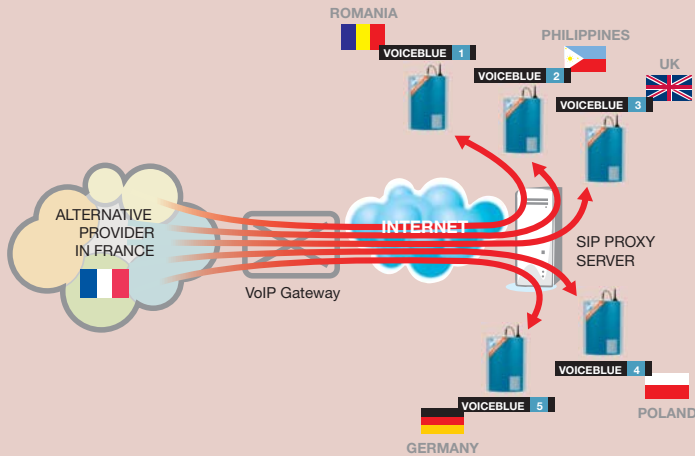
Target users are small, medium and large companies using IP telephony, traffic terminating companies or companies with international affiliates.

2N VoiceBlue Lite offers VoIP services, all functions and advantages of digital GSM gateways and many other features. Thanks to its efficient LCR, the 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.



Case studies



Technical Parameters

VoIP	
Voice signalling	SIP
DTMF sending	RFC2833
Number of voice channels	2, 4
Codecs	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
Echo Cancellation	G.168-2000; max. echo length 25 ms (15 ms for G.729A)
VAD/CNG (Silence Suppression)	G.729B for G.729A coders G.723.1A for G.723.1 coders
PCM Companding	A-law/u-law (selectable)
Protocols	
	TCP, UDP, IP, RTP, TELNET
Interfaces	
Type/connector	Lan 10/100 Base-T, RJ45 RS232 – AT interface, D-SUB9 USB 1.1 B type
GSM	
GSM engines	Siemens TC35i, Siemens MC55, Siemens MC56

Antenna	One external antenna SMA connector integrated antenna splitter for 4 GSM channels
Administration	
Methods	AT commands, comfortable administrator SW, Win98 and up
Interface	LAN, COM port, USB
Power supply	
Type	External power adapter 230 V – 50/60 Hz to 12 V DC 1,2 A Max. 15 W
Power dissipation	
Operating Environment	
Operating temperature	0–40 °C
Operating humidity	10–95 % (non condensing)
Dimensions	
LxBxH	260x150x50 mm
Certification	
CE	EN 60 950:2000 EN 55 024 EN 55 022 Class B



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