



The Smartest Way from IP to GSM Networks

- SIP and H.323 GSM Gateway
 - Up to 4 GSM channels
 - Substantial cost reduction on calls from IP – GSM networks
 - Internet Connectivity
 - SMS transmission
 - Top voice quality

2N VoiceBlue Enterprise GSM Gateway

The Smartest Way from IP to GSM Networks

2N VoiceBlue Enterprise GSM gateway is complementary equipment to any SIP or H.323 based IP PBX which can give you a direct access from VoIP to GSM. Using the VoiceBlue Enterprise gateway, you gain dramatic savings on outgoing and incoming calls from IP to GSM networks (and backwards). Thanks to the efficient LCR (Least Cost Router), all calls are routed in the cheapest possible way according to GSM prefixes, free minutes on SIM cards, etc.

As VoiceBlue Enterprise is capable of data transfer (GPRS/EDGE technology is supported), it can serve as a gateway from your LAN to the Internet. An intelligent firewall is embedded to provide maximum security. VoiceBlue Enterprise can be also used as a protocol translator between the SIP and H.323 environments. This feature can be utilised simultaneously with termination of calls to GSM networks. It means that the gateway can handle calls from SIP and H.323 at the same time and route them to VoIP environments and GSM networks. There is an option of SMS sending and receiving through the WEB or SMTP/POP3 interface. If an external USB hard disc is added, VoiceBlue can serve as an SMS server for small and medium enterprises as well. SMS delivery reports are obtained automatically. All these features can be active and physically used at the same time. The whole system can be supplied as a "puzzle", which means that you choose only the features according to your needs.

Wireless
Modules
by Siemens
embedded

Technical Support
FREE
OF CHARGE

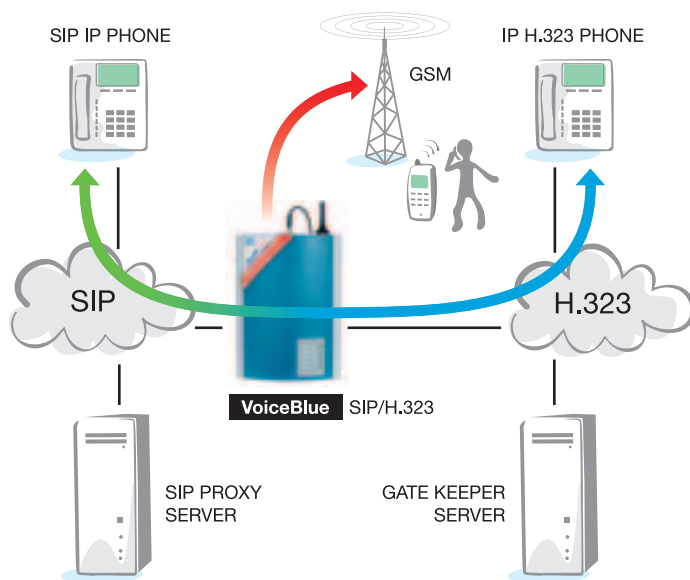
WARRANTY
2
YEAR



2N VoiceBlue Enterprise GSM Gateway

Features:

- Up to 4 GSM channels
- Standard SIP and H.323 client embedded in one hardware unit
- LCR according to free minutes and GSM providers
- H.323 to SIP media converter for up to 16 VoIP channels
- SIP proxy - REGISTRAR for IP phones included
- Intelligent incoming call routing
- DISA with voice navigation, user defined voice message for incoming calls
- CallBack
- SMS in case of a missed call
- Top voice quality (EFR super sound)
- Easy way from Ethernet to Internet over GPRS/EDGE with "dial on demand" function
- SMS sending and receiving (WEB interface and SMTP/POP3)
- SIM server
- Automatic firmware update
- Simple web based configuration
- CDR buffer for up to 500,000 records
- LOG and statistics saving
- Integrated antenna splitter
- Remote monitoring over SNMP standard
- Worldwide use (all frequencies are supported)



Item description	Part No.
VoiceBlue Enterprise – 2 GSM channels with 2 Siemens TC35i modules (without GPRS)	505202E
VoiceBlue Enterprise – 4 GSM channels with 4 Siemens TC35i modules (without GPRS)	505204E
VoiceBlue Enterprise – 2 GSM channels with 2 Siemens MC45 modules (Europe triband 900/1800/1900, GPRS)	505212E
VoiceBlue Enterprise – 4 GSM channels with 4 Siemens MC45 modules (Europe triband 900/1800/1900, GPRS)	505214E
VoiceBlue Enterprise – 2 GSM channels with 2 Siemens MC46 modules (west triband 850/1800/1900, GPRS)	505222E
VoiceBlue Enterprise – 4 GSM channels with 4 Siemens MC46 (west triband 850/1800/1900, GPRS)	505224E
VoiceBlue Enterprise – 2 GSM channels with 2 Siemens MC75 (quadband 850/900/1800/1900, EDGE GPRS)	505232E
VoiceBlue Enterprise – 4 GSM channels with 4 Siemens MC75 (quadband 850/900/1800/1900, EDGE GPRS)	505234E
VoiceBlue Enterprise SIP proxy USR – number of SIP proxy server users	505401E
VoiceBlue Enterprise SMS server USR – number of SMS server users	505402E
VoiceBlue Enterprise Internet gateway – GPRS & embedded firewall	505300E

Technical Parameters

VoIP	
Voice signalling	SIP, H.323
Number of voice channels	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	G.729B for G.729A coders
Silence Suppression	G.723.1A for G.723.1 coders
PCM Companding	A-law/u-law (selectable)
Protocols	
	TCP, UDP, IP, RTP, H.323, SIP, TFTP, HTTP, SMTP
Interfaces	
Type/connector	LAN 10/100 Base-T, RJ45 RS232 – AT interface, D-SUB9 USB 1.1 B type
GSM	
GSM engines	Up to 4 Siemens TC35i
Antenna	One external antenna, SMA connector, four channels antenna splitter integrated

Administration

Methods	WEB interface, Terminal menu
Interface	LAN, COM port, USB
Power supply	
Type	External power adapter 230 V–50/60 Hz to 12 V DC 1,2 A
Power dissipation	Max. 15 W
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