



# The cheapest way from IP to GSM for Voice

- IP – based SIP GSM gateway
- Necessary equipment for any VoIP soft switches
  - Up to four GSM channels
- Top – Quality Voice, SMS transmission
- Substantial Cost Reduction for long distance calls terminated in GSM

Wireless  
Modules  
by Siemens  
embedded

## **ATEUS® – VoiceBlue VoIP – GSM GATEWAY**

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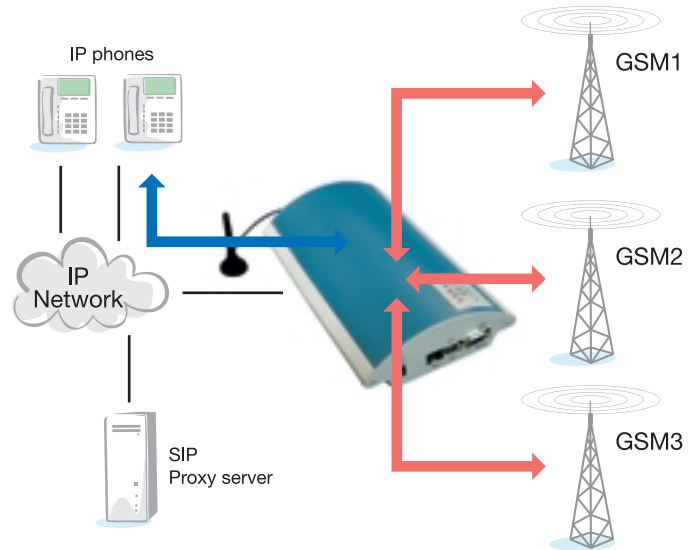
Are you looking for a possibility to call directly from your IP phone to GSM network? Are you able to plug a RJ 45 connector to your switch? Great! The solution is the *ATEUS® – VoiceBlue* gateway. The world's first IP – GSM gateway, suitable for any VoIP solution based on SIP protocol. With the *ATEUS® – VoiceBlue* you will make significant savings on your GSM call costs. Thanks to its efficient LCR, the *ATEUS® – VoiceBlue* GSM gateway will choose the cheapest GSM network for your call. You will achieve complete independence when connecting to GSM networks and maintain 100% control over GSM call costs. Allow GSM users to access your VoIP network at the price of a normal GSM call. With the help of voice prompts and efficient CLIP routing, the *ATEUS® – VoiceBlue* will route the GSM calls to the right IP phone. Connection of the *ATEUS® – VoiceBlue* gateway to the *ATEUS® – SMS* application in your corporate network will enable you to use SMS messages as another communication tool with your clients.



# ATEUS® – VoiceBlue VoIP – GSM GATEWAY

## Features:

- Up to four GSM channel gateway
- Standard SIP client
- Smart Voice Routing – Least Cost Routing (LCR)
- Intelligent incoming call routing
- Callback
- SMS in the case of a missed call
- LCR according to free minutes
- Top voice quality (EFR super sound)
- Worldwide use (GSM 850/900 MHz or 1800/1900 MHz)
- DISA with voice navigation, user defined voice message for incoming calls
- WWW and AT command based administration
- SMS WWW server
- SMS mail client
- CDR buffer up to 500,000 records, Compact flash
- LOG and statistics events saving
- Integrated antenna splitter



## Order numbers

Configuration	Order No.
Two GSM channels	505002E
Four GSM channels	505004E

## Technical Parameters

VoIP	
Voice signalling	SIP
Number of voice channels	4
Codecs	G.711 PCM at 64 kbps G.726 and G.727 E-ADPCM at 16 to 40 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, RTSP, TELNET, TFTP, HTTP, SMTP
Interfaces	
Type/connecter	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

Protocols	HTTP, AT commands, comfortable administrator SW, Win98 and above
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)
Dimension	
LxBxH	260x150x50 mm
Certification	
CE	EN 60 950:2000, EN 55 024, EN 55 022 Class B

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