



Flexible & Cheap Solution for Fixed to GSM Connection

- Substantial cost reduction
 - DialThru function
- Voice and SMS transmission
- Up to 8 GSM transit channels
- Powerful Least Cost Router
 - Scalable solution
 - Remote Control

Wireless
Modules
by Siemens
embedded



ATEUS[®] – Omikron

Multichannel Transit Analog GSM Gateway

Flexible & Cheap Solution
for Fixed to GSM Connection

The *ATEUS[®]* – Omikron gateway is an analog multichannel transit GSM Gateway enabling up to 8 simultaneous calls between PBX and GSM networks. This cost efficient and flexible solution provides a substantial cost saving effect to calls established from a fixed line to GSM networks and vice versa (from GSM to fixed lines). It's intended for medium and large companies with a high number of analog lines.

By virtue of the advanced and powerful Least Cost Router (LCR), all calls are routed in the cheapest possible way, taking into consideration the call time, provider's prefixes and number of free minutes on the SIM cards. Omikron ensures 100% control of your GSM calls.

Thanks to its transit function, Omikron routes calls either to GSM or PSTN. In this case, the Omikron gateway is installed between the PBX and PSTN.

There are two main advantages of the transit function:

- no need to change the configuration of the PBX, the LCR is programmed in the gateway;

- no need of additional analog ports in the PBX, the current lines are used.

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

It is much more effective to use one multichannel Omikron gateway than several standalone analog gateways, since all analog lines, GSM lines and SIM cards have the opportunity to cooperate, which results in higher call cost savings and lower phone line blocking and the configuration can be done simultaneously.

Another important advantage of Omikron is its easy maintenance (remote control, supervision and management).

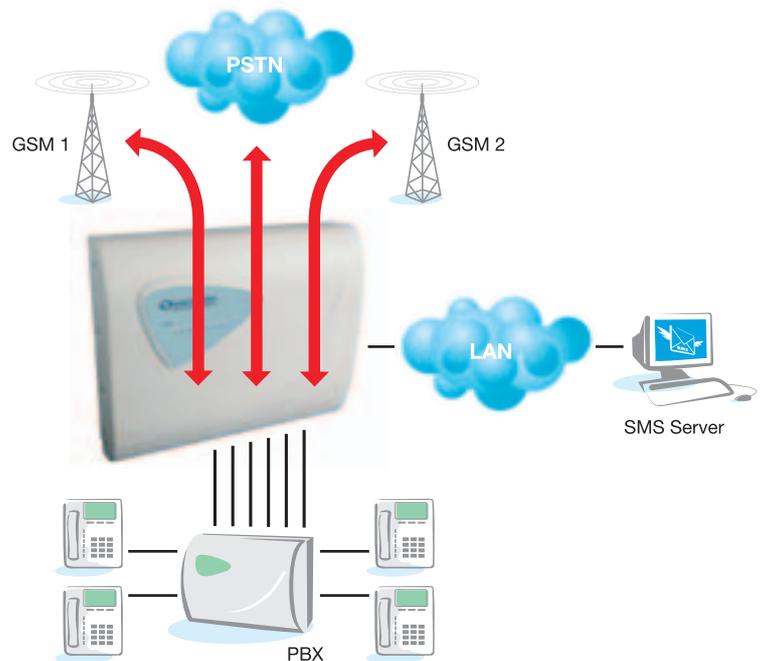
The Omikron Gateway is available in a wall-mounted or rack version.

ATEUS® – Omikron

Multichannel Analog GSM Gateway

Features:

- Up to 8 transit analog lines
- Up to 8 GSM channels
- Analog FXS or FXO interfaces
- Sophisticated LCR (Least Cost Router)
- SMS sending & receiving (via SMS application)
- Detailed calling records/statistics (CDRs)
- Excellent voice quality (EFR super sound)
- Optional voice modules
- Only 1 or 2 antennas for the whole system
- Scalable solution
- Remote control
- Availability in a rack and wall mounted version
- Worldwide use (all GSM frequencies are supported) *



rack version details

Configuration

The Omikron Gateway can be ordered in a Wall or Rack Mounted version

with 2, 4, 6 or 8 trunk lines

with 2, 4, 6 or 8 extension lines

with 2, 4, 6 or 8 GSM lines

A wide range of accessories, including a remote control module, integrated antenna splitter with one N-connector output and many more items, is available.

Technical parameters

Analog subscriber	
FXS	2 wire loop start FXS with polarity reversal
Number of ports	up to 8 (step 2)
Connection	RJ11
Features	power fail drop back to FXO
Analog central office	
FXO	2 wire ring start FXO DTMF/decadic dialling
Number of ports	up to 8 (step 2)
Connection	RJ11
GSM	
GSM engines	Siemens TC35i, MC45 and MC46
Network types	850/900/1800/1900 MHz*
SIM card	Small plug-in, 3 V
Antenna	Omni directional antenna with SMA connector or YAGI antenna with N connector
Antenna splitter	Internal
Administration	
Protocols	comfortable administrating SW Win32 application
Interfaces	COM port

Power supply

Type	mains 230 V–50/60 Hz
Power consumption	Max. 75 W

Operating Environment

Operating temperature	5–40 °C
Operating humidity	10–95 % (non condensing)

Dimensions of wall mounted version

WxHxB	440x110x350 mm
Weight	6.5 kg

Dimensions of rack mounted version

WxHxB	84HEx2U; 449x88x359mm
Weight	10.5 kg

Certification

CE	EN 60 950:2000, EN 55 024, EN 55 022 Class B
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* depends on the GSM engine type

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