

2N OMIKRON

Flexible Solution for Fixed to GSM Connections



- ★ Up to 8 DialThru analog lines
- ★ Up to 8 GSM channels
- ★ Analog FXS or FXO interfaces
- ★ Sophisticated LCR (Least Cost Router)
- ★ SMS sending & receiving
- ★ Detailed calling records (CDR's)
- ★ Excellent voice quality (EFR super sound)
- ★ Only 1 or 2 antennas for the whole system
- ★ Scalable solution
- ★ Remote control
- ★ Availability in a rack and wall mounted version



The 2N OMIKRON gateway is an analog multichannel DialThru 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.

Thanks to 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. 2N OMIKRON ensures 100% control of your GSM calls. Thanks to its DialThru function, 2N OMIKRON routes calls either to GSM or PSTN choosing the cheapest possible way. In this case, the 2N OMIKRON gateway is installed between the PBX and PSTN.

There are two main advantages of the DialThru function:

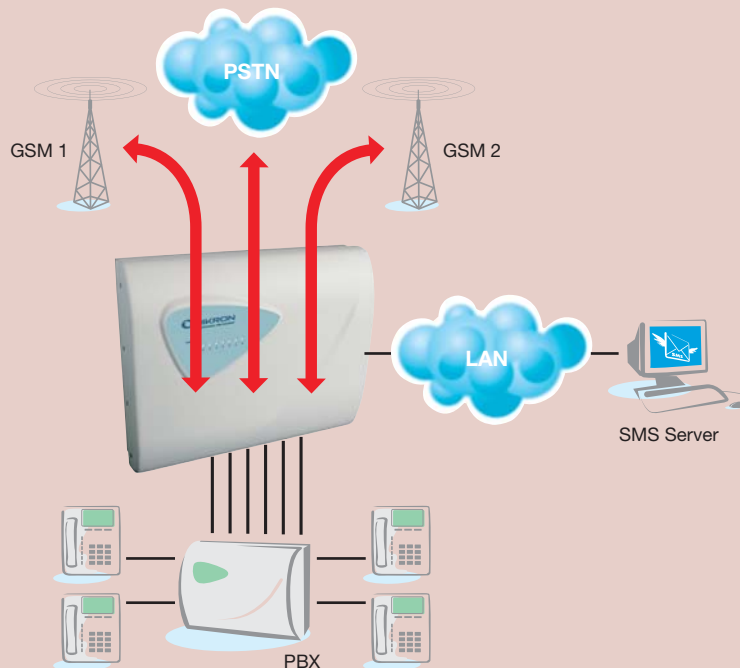
- no need to change the configuration of the PBX, the LCR is programmed in the gateway
- no need of additional analog ports in the PBX, the existing lines are used.

2N 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 2N 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 2N OMIKRON is its easy maintenance (remote control, supervision and management).

The 2N OMIKRON gateway is available in a wall-mounted or rack version.



Case study



Technical Parameters

Analog subscriber lines	
FXS	2 wire loop start FXS with polarity reversal
Connection	RJ11
Features	power fail drop back to FXO
Analog central office lines	
FXO	2 wire ring start FXO DTMF/decadic dialling
Connection	RJ11
GSM	
GSM engines	Siemens MC39, MC55, MC56
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
Configuration limits	
Maximum size	8/8/8 lines (FXO, FXS, GSM)
Configuration step	2 lines

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

* depends on the engine type



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