

2N Analogue GSM Gateways

Cost-effective means of communication



- Full GSM coverage
- Phone line interface FXS and FXO *
- Analogue Fax
- Data connection (GPRS/CSD)
- SMS sending/receiving
- Baby call function
- Identification of calling party (FSK CLIP)
- 2N® Mobility Extension function *
- Dial Thru function *
- Remote monitoring *
- Black and White list for all incoming *
/calling numbers on each interface

* 2N® SmartGate has both of ports (FXS and FXO),
2N® EasyGate has only FXS port

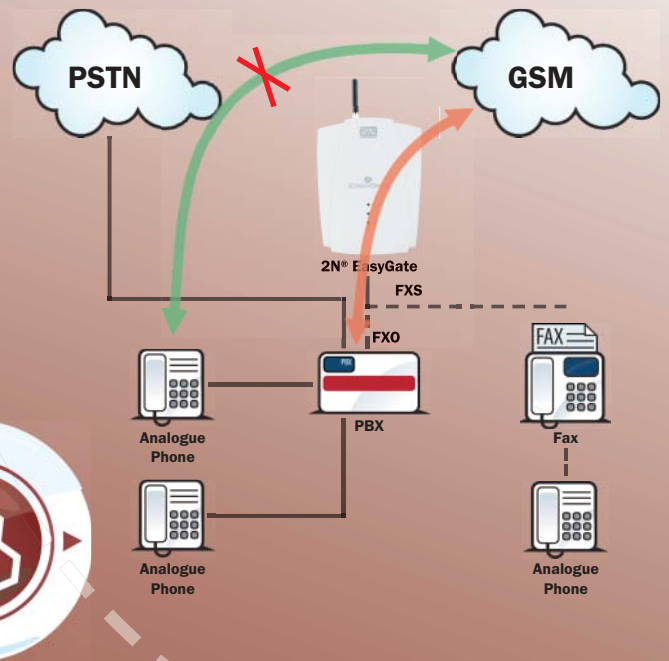
2N®EasyGate and 2N® SmartGate are one-channel analogue GSM gateways providing a cost-effective means of communication by giving the user an opportunity to save costs on calls to GSM networks.

2N analogue gateways are intended for small and medium size companies. They can be used for voice, data, analogue fax and sms transmission. It brings you fixed line functionality in a mobile solution.

2N® EasyGate Case Study:

Connection of PBX external line

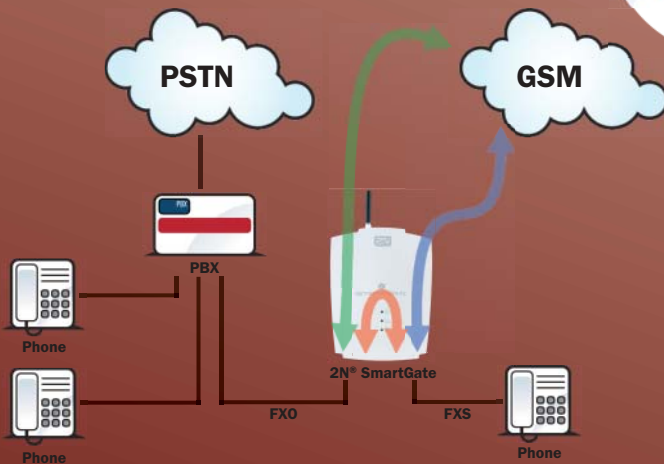
- Cost savings on GSM networks calls
- 1 analogue GSM gateway port
- Possibility to connect an analogue phone, fax machine, data terminal, PC, external line of PBX



2N® SmartGate Case Study:

Dial Thru function

- Cost savings on GSM network calls
- 2 ports analogue GSM gateway
- Possibility of connection between a PBX and network without the need to programme the PBX



Technical Parameters: GSM

GSM bandwidth	2W EGSM 850/900 MHz, 1W GSM 1800/1900 MHz
Receiver sensitivity (typ.)	- 104 dBm
Audio	HR + FR + EFR Half rate + Full rate + Enhanced fullrate Echo cancellation, Echo suppression
DATA	GPRS Class 10, 4+2 max. 85.6 kbps downlink CSD max. 14.4 kbps; Coding scheme CS 1, 2, 3, 4
Antenna	850/900/1800/1900 MHz 50 Ω SMA antenna connector
SIM card	3V and 1,8V
Fax	
Fax	G3 Analog Fax (optional)
Supported protocols	V.27ter (2400 bps, 4800 bps), V.29 (7200 bps, 9600 bps)
Power Supply	
Power Supply	100-240V/12V; 0,5A adapter
DC power supply	10 to 16 V DC (accumulator 12V)
12V consumption (typ.)	Standby 100 mA, Call/data typ. 300 mA, max. 400 mA
Supply connector	DC Jack 5,5/2,1 mm
TELEPHONE INTERFACE FXS (FOR PBX EXTERNAL LINE OR PHONE SET)	
Interface type	2-wire analogue, FXS
Phone connector type	RJ 12, 6/2
Line impedance	600 Ω
Loop voltage	48 V DC
Loop current	max. 40 mA

Dial tone frequency	adjustable, default 425 Hz
Dialling type	tone (DTMF) or pulse
Ringing voltage	42 Vrms 50/25 Hz
Calling line identification	CLI during ringing according to ETSI FSK
Tariff pulses	f = 16/12 kHz
Answer supervision	polarity reversal, 12/16 kHz pulses

TELEPHONE INTERFACE FXO (FOR PBX EXTENSION LINE) *

Interface type	2-wire analogue, FXO
Telephone connector type	RJ 12, 6/2
Line impedance	Z _R
On-hook DC resistance	min. 1 MΩ

Dial tone frequency	adjustable, default 425 Hz
Dialling type	tone (DTMF)

DATA INTERFACE

Interface type	RS-232 (GPRS or CSD), optionally RJ12 (Modem)
Connector	D-Sub 9, female
Transmission rate	1200 – 115200 bps (autobauding) 8N1

OTHERS

Dimensions (w / o connectors)	170 x 130 x 45 mm
Operating temperature	0 °C – 45 °C
Operating status signalling	3 LEDs (power, GSM network and line status)

* Available only in 2N® SmartGate version



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