

# 2N EasyGate

Analog GSM Gateway with G3 Analog Fax Support



- ★ **2-wire, FXS interface** (for analog phone or PBX CO line)
- ★ **GSM network support** (3G version available)\*
- ★ **G3 analog Fax support**
- ★ **SMS Server for SMS sending & receiving**
- ★ GPRS data class 10 (RS232)
- ★ CSD data (RS232 or RJ12)
- ★ 12V power supply
- ★ Automatic SMS sending activated by external signal
- ★ SMS informing of low credit in prepaid cards
- ★ Baby call feature (automatic call without dialling)
- ★ Dialed number restriction, evaluation and modification
- ★ CLIP (ETSI FSK) support – you can see the calling number on your telephone display
- ★ Worldwide use (all frequencies are supported)

\* with restricted functionality



**2N EasyGate is an one-channel analog GSM / 3G gateway providing a cost-effective way of communication by giving the user an opportunity to save costs on calls to GSM / 3G networks.**

**It is intended for small and medium size companies. If connected to a PBX and a PC (LAN), 2N EasyGate can be used for Voice, Data through GPRS, SMS and analog Fax transmission. 2N EasyGate offers landline functionality in a mobile solution.**

A maximum emphasis was put on sound quality, reliability and long lasting performance during the 2N EasyGate construction. Thanks to CLIP (ETSI FSK) you can see the calling party number on your telephone display.

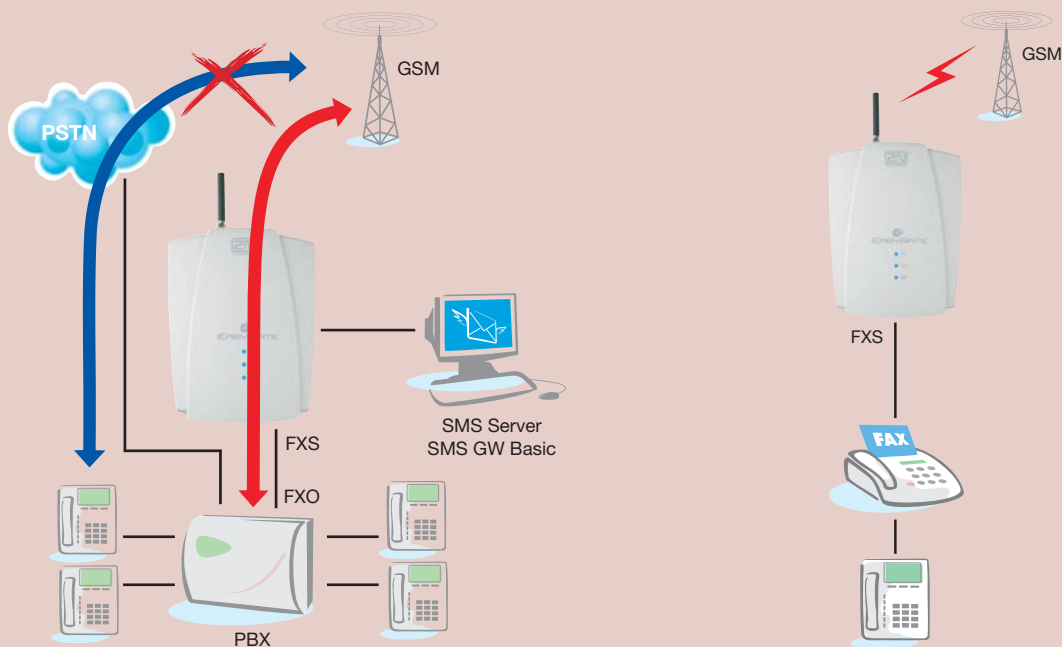
2N EasyGate enables all LAN users to send and receive SMS messages - with 2N network application - the SMS server. The delivery status of any message can be obtained automatically. The GPRS connection enables e-mail communication and Internet browsing. It is often used as a back-up Internet connection for small offices or as a primary Internet connection on boats or in distant areas.

There is also one SMS sending input in the gateway (see the green connector in the picture). This means that the gateway can send predefined SMS messages after activation by an external signal.

This analog GSM / 3G gateway can be applied in areas with no PSTN lines or power supply networks as it may be supplied from any 12V battery (e.g. 2N EnergyBank), which makes the device fully mobile.

2N EasyGate is also available in a version for 19" rack.

# Case study



## Technical Parameters

GSM	
<b>GSM network type</b>	850/900/1800/1900 MHz
<b>GSM modules</b>	Siemens MC55/56, Siemens MC39i
<b>SIM card</b>	3V
<b>Transmitter output power</b>	max. 2 W
<b>Receiver sensitivity</b>	-104 dBm
Fax	
<b>Fax</b>	G3 analog Fax
<b>Supported protocols</b>	V.27ter (2400bps, 4800bps) V.29 (7200bps, 9600bps)
Supported connections	
<b>Voice call</b>	
<b>CSD data connection (max 14,4 kbit/s)</b>	
<b>GPRS class 10 data connection</b>	
<b>Sending and receiving of SMS messages</b>	
Antenna	
<b>Connector type</b>	SMA
<b>Impedance</b>	50 Ω
Power supply	
<b>Adapter</b>	100-240V/12V; 0,5 A
<b>Possibility to connect external voltage 10-16V (accumulator 12V)</b>	
Consumption by power supply 12V	
<b>Stand-by consumption</b>	70mA

<b>Typical power consumption during a call</b>	200mA
<b>Maximal power consumption during a call</b>	300mA
Line interface	
<b>Identification of calling party</b>	transmission of a CLI in ETSI FSK standard during ringing
<b>Interface type</b>	2-wire, FXS for CO line of PBX
<b>Connector type</b>	RJ12, 6/2
<b>Line Impedance</b>	600 Ω
<b>Loop voltage</b>	48 V DC
<b>Maximal line current (short-circuit)</b>	40 mA
<b>Ringing voltage</b>	42 Vef, 50Hz (25Hz version is possible)
<b>Supported dialling modes</b>	DTMF and Pulse
<b>Answer supervision via polarity reversal</b>	
<b>Tariff pulses</b>	16/12kHz
Data interface	
<b>Data interface</b>	RS232 (GPRS or CSD), RJ12 (CSD)
<b>Connector</b>	D-Sub 9, female
<b>Transmission rate</b>	9600-115200 bit/sec, autobauding
Other	
<b>Dimensions</b>	170x130x45 mm
<b>Operating temperature</b>	0 - 45 °C
<b>Signalling of actual status</b>	3x LEDs - Power, GSM network connection, line status



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