

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.

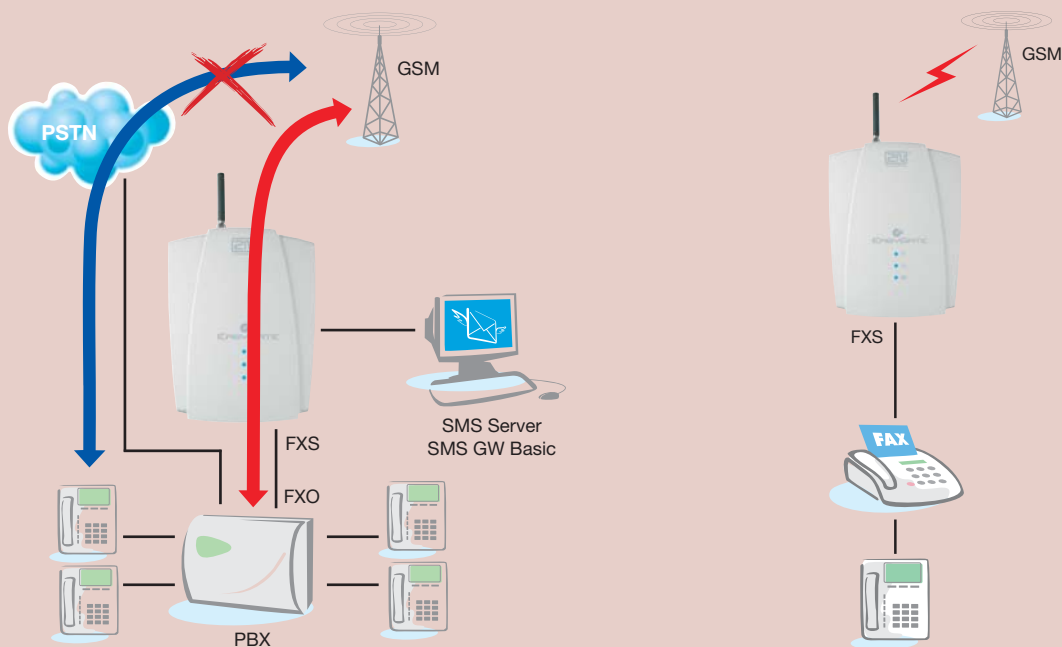
2N EasyGate enables all LAN users to send and receive SMS messages - with 2N network application - the SMS server. The delivery status of any message can be obtained automatically. The GPRS connection enables e-mail communication and Internet browsing. It is often used as a back-up Internet connection 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	
GSM network type	850/900/1800/1900 MHz
GSM modules	Siemens MC55/56, Siemens MC39i
SIM card	3V
Transmitter output power	max. 2 W
Receiver sensitivity	-104 dBm
Fax	
Fax	G3 analog Fax
Supported protocols	V.27ter (2400bps, 4800bps) V.29 (7200bps, 9600bps)
Supported connections	
Voice call	
CSD data connection (max 14,4 kbit/s)	
GPRS class 10 data connection	
Sending and receiving of SMS messages	
Antenna	
Connector type	SMA
Impedance	50 Ω
Power supply	
Adapter	100-240V/12V; 0,5 A
Possibility to connect external voltage 10-16V (accumulator 12V)	
Consumption by power supply 12V	
Stand-by consumption	70mA

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



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