



ATEUS® - EASYGATE GSM GATEWAY



Wireless
Modules
by Siemens
embedded

- > Dramatic cost saving
- > Connection to GSM Networks
- > Voice, Data, SMS and PC-FAX transmission
- > For PBX or Phone sets
- > FSK CLIP

EasyGate QuickStart

Read the CD-ROM User Manual carefully to get familiar with all system functions.

Security Precautions



- Do not switch on EasyGate in the vicinity of medical apparatuses to avoid interference. The minimum distance of the antenna and pacemakers should be 0.5 m.
- Do not switch on EasyGate aboard a plane.
- Do not switch on EasyGate near petrol stations, chemical facilities or sites where explosives are used.
- Any mobile telephone use prohibition based on RF energy radiation applies to EasyGate too.
- EasyGate may disturb the function of TV sets, radio sets and PCs.
- Warning! EasyGate contains components that can be swallowed by small children (SIM card, antenna, etc.).
- The voltage value mentioned on the adapter may not be exceeded. If you connect EasyGate to another power supply, make sure that the voltage value lies in the acceptable range.
- When your EasyGate comes to the end of its operational life, dispose of it in accordance with applicable regulations.

Basic Functions

- The primary purpose of EasyGate is to transmit voice between a GSM network and an attached FXO-interface terminal.
- You can establish data connections (GPRS, CSD), fax connections (PC-FAX) and send/receive SMS in combination with a PC.
- You can send an SMS to a pre-programmed number using the SMS sending input.

Proper Location

- EasyGate is designed for vertical mounting on suspension holes (use the mounting pattern). This position is the best for GSM signal reception.
- Install EasyGate with respect to a good GSM signal strength.
- Place EasyGate out of range of sensitive devices and human bodies for electromagnetic interference reasons.
- EasyGate is designed for indoor use. Do not place it near heat sources and on sites exposed to direct solar radiation. It may not be exposed to rain, flowing water and moisture. In addition, it may not be exposed to aggressive gas, acid vapours, solvents, etc.

External Antenna Connection

Screw the antenna enclosed into the SMA antenna connector. Tighten the antenna connector gently with your hand, never use wrenches!

SIM Card Installation

Take off the SIM card holder on EasyGate's back side, insert the SIM card and replace the holder fixing the safety pin. Select the required GSM provider and SIM card services, such as call forwarding, call barring, preferred networks, SMS centre, etc. using your mobile phone before inserting your SIM card in EasyGate.

An EasyGate delivery contains the following:

EasyGate	1 pc
Antenna	1 pc
Supply adapter	1 pc
Telephone cable	1 pc
PC-connection serial cable	1 pc
SMS sending input connector	1 pc
Dowels	2 pcs
Screws	2 pcs
User Manual on a CD-ROM	1 pc
QuickStart manual + mounting pattern	1 pc
Software CD-ROM	1 pc
Warranty certificate	1 pc

Telephone Line Connection

EasyGate can be connected to any FXO-interface equipment (standard telephone set, answering machine, PBX CO line,...). EasyGate is equipped with identification of calling party (CLIP) via FSK and so it is advantageous to connect a terminal that is able to display the CLI.

Power Supply Connection

EasyGate is fed with 10-16V DC voltage. Where a source other than the included supply adapter is used, the voltage range and polarity shown on the EasyGate supply connector have to be maintained.

Do not activate the power supply until the antenna is connected to EasyGate to avoid the GSM module damage.

SIM Card PIN protection

- Hook off the telephone, you can hear the PIN tone: - - - - - - - - - -
- Enter the PIN using the DTMF and press a for confirmation. To cancel a wrong PIN hang up the telephone line.
- If you hear the busy tone in a while (a few seconds), you have entered the PIN correctly. The PIN will be entered automatically upon the next power up.
- If you hear the PIN tone again in a while, you have entered a wrong PIN. Re-enter the PIN.
- If you hear the PUK tone in a while, you have entered a wrong PIN and the SIM card is blocked. Use the mobile phone to unblock the SIM card.

Outgoing Call

- Suppose that the SIM card has been inserted, the PIN entered or not required, and EasyGate registered to GSM network – the GSM Network LED is permanently on.
- Hook off the telephone, you can hear the dialtone and the Line LED starts flashing.
- Dial the GSM subscriber number. EasyGate receives tone dialling (DTMF) by default. If your telephone transmits pulse dialling only, program EasyGate to receive pulse dialling. When you make a delay in your dialling longer than 5s (programmable), the connection is established.
- If the called subscriber is available, you can hear the ringing tone. If not, you can hear the busy tone or any of the GSM provider's messages.

- When the called subscriber answers the call, a call is established. The Line LED is permanently on during the call.
- Hang up to terminate the call. The Line LED goes off. If the called subscriber is the first to hang up, you can hear the busy tone and hang up.

Incoming Call

- An incoming call is signalled by ringing. The Line LED flashes during ringing.
- Hook off the phone to establish the call. The Line LED is permanently on during the call.
- For call termination see the Outgoing Call section.

Indication LEDs

Power supply	<ul style="list-style-type: none">Light is on whenever EasyGate is on.
GSM network	<ul style="list-style-type: none">light = registered to GSMflashes once in 1s = not registered, SIM card insertedflashes once in 3s = not registered, SIM card not insertedflashes 4 times quickly = enter your PINflashes 8 times quickly = enter your PUK
Teleph one line	<ul style="list-style-type: none">no light = standbyflashes quickly = line off-hook or ringinglight = callflashes once in 3s = data connection in progress

EC Declaration of Conformity

Directive: Radio Equipment and Telecommunications Terminal Equipment
Directive (R&TTE) 1999/5/EC

Manufacturer: **2N TELEKOMUNIKACE a.s.**
Modřanská 621, 143 00 Prague 4, Czech Republic

Declares that the product: **ATEUS[®] - EasyGate**

Model numbers: 501300E, 501303E, 501306E

Designed for: **GSM 900/1800 MHz or GSM 900/1800/1900 MHz or GSM 850/1800/1900 MHz dual-band or tri-band gateway with analog FXS and data interface, stand alone version**

Uses cellular engine: MC39i (type S30880-S8530-C100),
MC45 (type S30880-S8300-A100), MC46 (type S30880-S8320-A100),
MC55 (type S30880-S8360-A100), MC56 (type S30880-S8365-A100)

Conforms to the following Standards:

Safety: EN 60 950: 2000,
EMC: EN 55 024: 1998, A1: 2001, A2: 2003,
EN 55 022: 1994, A1: 1995, A2: 1996, Cor.1:1997,
EN 61000-4-2: 1995, A1: 1998, A2: 2001,
EN 61000-4-3: 1996, A1: 1998, A2: 2001,
EN 61000-4-4: 1995, A1: 2001, EN 61000-4-5:1995, A1: 2001,
EN 61000-4-6: 1996, A1: 2001, EN 61000-4-11: 1994, A1: 2001
RF spectrum efficiency: 3GPP TS 51.010-1, v 5.1.0 (GSM11.10-1),
ETSI EN 301 511, v 7.0.1 (GSM 13.11)

The tests were performed by the following accredited test laboratory (laboratories):
Technical Centre of Telecommunications and Post
Testing laboratory No. 1063 TESTCOM, Accredited by CIA
Hvozdanská 3, 148 01 Praha 4, Czech Republic.
RF parameters of GSM engine were performed by Siemens AG, ICM WM RD, Siemensdamm 50, 13623 Berlin, Germany.
The following harmonized technical standards were applied for conformity assessment:
EMC: Protocol No.: 120/04 - EN 55 022, EN 55 024, EN 61000
The documentation and test reports relevant to the cellular engines are held at: Siemens AG, ICM WM RD, Siemensdamm 50, D-13623 Berlin Germany
The documentation and test reports relevant to the switching power supply are held at: SUNNY Computer Technology Europe, s.r.o., Kotlanova 3, Brno, 628 00, Czech Republic.

Date and place of issue: Prague, Czech Republic, 12.10.2004

Manufacturer's stamp

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