

# ECOTEL® compact Model GSM3-3x (analog)

## Powerful analog GSM gateway with a single channel

4yourmobile  
communication

- Do calls to mobile radio networks make up a large share of your **monthly telephone expenditures**?
- Is there no landline access at your **mobile site**?
- Would you like to have phone, fax and Internet service at your **weekend home or on your boat**?

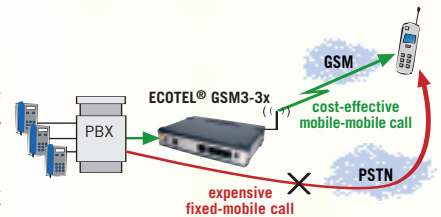


The **ECOTEL® GSM3-3x analog GSM gateway** allows you to connect either a PBX or your individual analog telephones to GSM mobile radio networks (850/1800/1800/1900). The gateway is equipped with analog interfaces, a SIM card slot and a plug-in antenna and can handle a wide range of applications.

### Decrease telephone costs

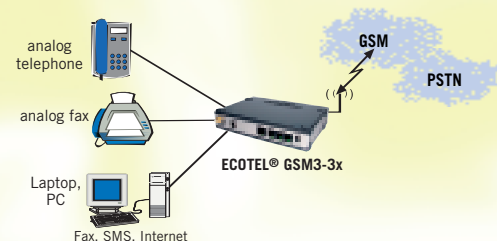
Once the ECOTEL® GSM3-3x gateway is connected to an analog port on your PBX, it takes calls that are normally routed from the fixed network to mobile radio networks and replaces them with more cost-effective "in-network" mobile-to-mobile calls. This can cut your telephone expenses by

up to 70%. The gateway usually pays for itself in less than six months.



### Mobile applications

ECOTEL® GSM3-3x allows you to connect mobile or remotely situated equipment to the global communications infrastructure via mobile radio. This means you can access telephone, fax and Internet service from construction sites, weekend homes and business vehicles, to name a few examples.



### Highlights

- Outstanding voice quality and dependability
- Analog interface FXO "Line" (for connection to an extension or LCR connection to the trunk line)
- Analog interface FXS "Phone" (for connection of an analog telephone or connection to external PBX port)
- Analog fax connection\*
- Internet via GPRS (max. 85.6 kbit/s downlink, 42.8 kbit/s uplink)
- Can be inserted into the local loop (for least cost routing)
- Call back by the gateway after a call (no connect). This substitutes outgoing roaming with more cost-effective incoming roaming.
- Voice announcements for incoming calls
- Transfer of the CLIP for incoming calls to the extensions
- CLI-dependent forwarding of incoming calls
- Send and receive SMS messages



\* Versions GSM3-311F and GSM3-312F, available 12/2007

**VIERLING**



# The most powerful solution on the market

## TECHNICAL SPECIFICATIONS

ECOTEL® GSM3-3x is the most powerful single-channel analog GSM gateway that is commercially available at this time. Depending on the version you choose, it has connectors for a telephone, fax machine and PC along with many useful capabilities such as least cost routing,

voice announcements for incoming calls, CLIP transfer to extensions and call back. High-performance GSM modules from Siemens and powerful echo cancellation are your guarantee of top-notch voice quality and dependability from a gateway that is made in Germany.

|  | ECOTEL® GSM3-311 (or 312)<br>(PC fax version) | ECOTEL® GSM 3-311 F* (or 312 F*)<br>(analog fax) |
|--|---|--|
| GSM channels   | 1   | 1  |
| GSM modules  | MC55 (MC56)                                   | MC55 (MC56)                                      |
| GSM frequencies  | 900/1800/1900 (850/1800/1900)                 | 900/1800/1900 (850/1800/1900)                    |
| Line connection (FXO) - TE (not powered)   | •   | •  |
| Phone connection (FXS) - NT (powered)  | •   | •  |
| PC data GPRS   | •   | •  |
| PC data CSD  | •   | •  |
| PC SMS   | •   | •  |
| Analog fax   |   | •*   |
| PC fax   | •   | •  |
| Least cost routing   | •   | •  |
| Voice announcements  | • (wavefile download, customer-specific)      | • (wavefile download, customer-specific)         |
| PBX suffix dialing (for inbound calls from fixed network)                        | •   | •  |
| Configurable dial tones  | •   | •  |
| Calling line identification (CLIP) (inbound number displayed on extension phone) | •   | •  |
| Call Back  | •   | •  |
| Fork call (follow me feature)  | •*  | •*   |
| Call forwarding of incoming calls (depending on CLI)                             | •   | •  |
| Configuration  | PC Windows                                    | PC Windows                                       |
| Software download / configuration  | USB   | USB  |
| Tariff pulses  | 12 / 16 kHz                                   | 12 / 16 kHz                                      |
| Dialing Type   | DTMF / pulse (IWW)                            | DTMF / pulse (IWW)                               |
| Polarity Reversal  | •   | •  |
| Antenna connector  | SMA / FME                                     | SMA / FME  |
| Power supply   | 12 V  | 12 V   |

**VIERLING**

VIERLING  
Communications GmbH

Pretzfelder Str. 21  
D-91320 Ebermannstadt

Phone: +49 (0)91 94-97 331  
Fax: +49 (0)91 94-97 101

Email: [info@vierling.de](mailto:info@vierling.de)  
[www.vierling.de](http://www.vierling.de)

\* Available 12/2007

Technical changes reserved 09/07-V-0