

> Reduce mobile radio charges with ECOTEL® GSM gateways



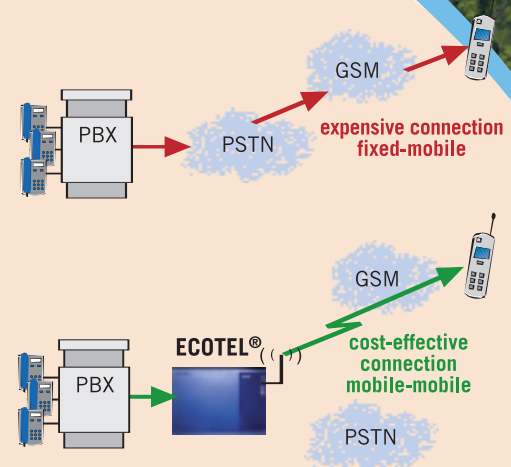
Full amortization in only a few months

Sometimes you can get a nasty surprise when you check out your telecommunications bill! Many companies are spending thousands of Euros every month just to cover telephone charges. Mobile radio charges tend to make up most of the bill.

This does not have to be the case! ECOTEL® GSM gateways significantly reduce the cost of making calls with mobile radio networks. The gateways replace expensive calls between fixed lines and mobile radio networks with more cost-effective mobile-to-mobile calls. It is common for the cost of the gateway to pay for itself in less than six months.

The relevant GSM modules, antennas and SIM cards are integrated into the gateway. ECOTEL® GSM gateways are connected to a PBX via a BRI (S₀) or IP (SIP) connection. The gateways have integrated GSM modules and mobile radio antennas. In addition, you can use SIM cards from different carriers.

GSM gateways are also an effective DECT alternative! The connection charges are either very low or nil, your employees do not need additional DECT telephones, and there is no need for costly infrastructure at your company site.



Example calculation (based on VIERLING's experience*):

Connection costs and tariffs

Previous monthly telephone costs for fixed-mobile communication:	3,000.00 EUR
Previous price per minute for fixed-mobile communication:	0.15 EUR
Alternative price per minute for mobile-mobile communication:	0.05 EUR

Costs for ECOTEL® gateway solution

Required number of GSM channels in the ECOTEL® gateway	8
Required number of SIM cards in the ECOTEL® gateway	8
Monthly basic charge per SIM card	15.00 EUR
Investment per ECOTEL® channel (approx. incl. service)	800.00 EUR
Total hardware investment	6,400.00 EUR

Monthly savings

Monthly connection costs with ECOTEL®	1,360.00 EUR
Monthly savings compared to costs without ECOTEL®	1,640.00 EUR

Return on investment

Pay-back period	Approx. 4 months
Savings after 6 months:	3,400.00 EUR
Savings after 12 months:	13,300.00 EUR
Savings after 24 months:	33,000.00 EUR



Calculate and see for yourself - use different tariff and company scenarios

Download our pay-back calculator here:
www.vierling-group.com/ecotel-calculator

* The data displayed above describes a fictive scenario based on VIERLING's experience.



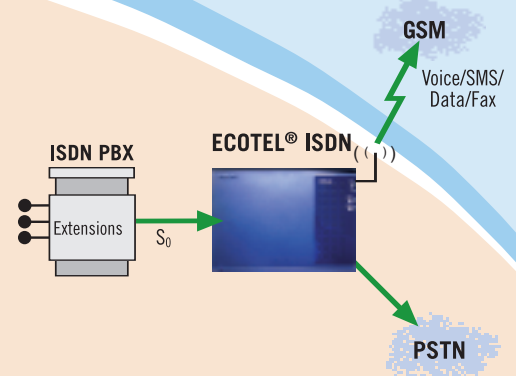
ECOTEL® – the most reliable and best performing GSM gateways available

Further information:
VIERLING Communications GmbH
 Sales Mobile Communication
 +49 (0) 9194 97-331
 sales-mc@vierling.de

ECOTEL® ISDN2-1x and ECOTEL® ISDN2-2x

One device, two cost-saving options: GSM and Call-by-Call (ISDN)

ECOTEL® ISDN is the **cost killer connected to the PBX**. The digital GSM gateway replaces costly fixed-mobile connections with inexpensive mobile-mobile connections. Applications based on ECOTEL® ISDN start with **only one channel** and one single SIM card. **Scalability is unlimited:** Any number of ECOTEL® ISDN can be operated with up to eight GSM channels and eight different SIM cards per channel simultaneously. ECOTEL® provides not only cost-efficient mobile-mobile connections, but also helps to save costs using call-by-call dialling codes for ISDN connections.



	GSM channels	S ₀ Ports	Accessories
ECOTEL® ISDN2-120	2	2	2x mini-antennas
ECOTEL® ISDN2-240SB	4	2	1x mini-antenna 1x SIM8 card holder
ECOTEL® ISDN2-280SB	8	4	2x mini-antennas 2x SIM8 card holder

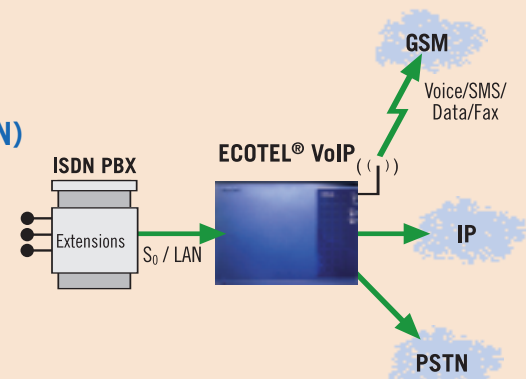
- Up to 8 GSM channels
- Up to 8 SIM cards per channel
- Supports Mobile Integration (DECT alternative)

ECOTEL® VoIP



One device, three cost-saving options: GSM, VoIP and Call-by-Call (ISDN)

ECOTEL® VoIP is the **perfect platform for maximum cost savings**. The VoIP-GSM gateway can be connected using BRI (S₀) or IP (SIP). It automatically establishes the most cost-effective connection. It utilizes not only mobile-mobile connections and call-by-call dialling codes, but **also VoIP**. The device can log on to a maximum of eight SIP providers.



	GSM channels	S ₀ Ports	Accessories
ECOTEL® VoIP-140SB	4	2	1x mini-antenna 1x SIM8 card holder
ECOTEL® VoIP-180SB	8	2	2x mini-antennas 2x SIM8 card holder

- Up to 8 GSM channels
- Up to 8 SIM cards per channel
- IP interface
- Integrated SIP server
- Supports Mobile Integration (DECT alternative)

ECOTEL® VTM multichannel gateways

Larger applications are a snap with ECOTEL® VTM multichannel gateways with up to 32 GSM channels. They can be connected via BRI (S₀), PRI (T1/E1), a/b or the IP interface. - **Please contact your VIERLING customer adviser** regarding prices and configurations.

VIERLING

VIERLING Communications GmbH
 Sales Mobile Communication
 Pretzfelder Str. 21
 D-91320 Ebermannstadt
 Tel.: +49 (0) 91 94 / 97 -331
 Phone: +49 (0) 91 94 / 97 -104
 E-Mail: sales-mc@vierling.de
 www.vierling-group.com