

ECOTEL® interconnect Model VTMflex

GSM-Gateway system for corporate applications

4your mobile
communication

- Least Cost Routing
- Real Mobile Integration
- PBX Booster Functionality
- E-Mail/SMS-Conversion
- GSM FAX Printer Option*
- Backup Solution for Internet Access via GPRS/UMTS*

Today's telecommunications infrastructure is built on landline, VoIP and mobile telephony as separate networks.

Subscribers are responsible for setting and changing call forwardings, hiding their mobile numbers, selecting the cheapest networks for their calls, updating the phone number storages of desk-, VoIP- and mobile phones and other things like that. The user is responsible for managing the technology.

ECOTEL® VTMflex delivers the ideal solution for integrating mobile subscribers with corporate networks.

Your mobile is really integrated into the PBX environment. You will take full advantage of a flexible PBX booster functionality while

saving money by using the most favourable rates of the mobile networks.

In comparison to the usual methods telephone costs from landline to mobile networks and vice versa can be reduced by 30 to 70 per cent.

ECOTEL® VTMflex supports PBX integration by offering the following options:

- TAPI interface for CTI applications
- Mailboxes
- Complex IVR systems
- Voice logging
- Call back options
- Black- and whitelists

On demand ECOTEL® VTMflex can also be delivered as RAID system with backup power supply and hard disk.

* available Q2/2005



VIERLING

Up to 32 GSM-channels in one 19" rack-mount industrial PC



TECHNICAL OVERVIEW

Interfaces / Supported Protocol	<p>PRI(E1): Q.931 (DSS1) CRC4/Double Frame, TE/NT (1, 3, 5, 6 ports)</p> <p>BRI (S₀): Q.931 (DSS1), TE/NT, PTP/PTMP (3, 4, 7, 8, 16, 20 ports)</p> <p>VoIP : H.323, Codecs: G.711, G.723, G.738 (8, 16, 24 channels)</p> <p>GSM:</p> <ul style="list-style-type: none"> • 900/1800 MHz • 850/1800/1900 MHz • 900/1800/1900 MHz • one antenna per 16 or per 32 channels • 2 or 8 (option) SIMs per channel; scalable in steps of 4 channels up to 32 channels <p>3G: access to UMTS/WCDMA networks, by A835 handsets 1 antenna per 16 or per 32 channels (Motorola A835 mobile is not included in standard shipment) scalable in steps of 8 channels up to 32 channels</p>
Scalability	The interfaces are implemented on standard PC cards. 1 up to 9 interface cards can be installed. (information for higher integrated systems on request)
Signaling	Inband GSM signalling is translated to ISDN or VoIP signalling Hold (by DTMF), Wait (by DTMF), voice detection (for release on announcement, ...), busy detection
Standard Features	<p>Real Mobile Integration</p> <ul style="list-style-type: none"> • Hold, Conference controlled by DTMF • Mobile subscriber gets an internal extension number • Announcements to a group of subscribers • Least Cost Routing of GSM calls
Special Options	<ul style="list-style-type: none"> • Adaptive Routing • Call Forwarding • Least Cost Routing for landline • Computer Telephony Intergration (CTI) • Interactive Voice Response (IVR) • Voice Mailbox • Whitelist / Blacklist • Timed Reminding Call (wakeup call) • Group Call for Announcements • Music on Hold • E-Mail / SMS conversion
Applications	<ul style="list-style-type: none"> • Least Cost Router (LCR) for landline and mobile network • PBX Booster • Call Centre Booster • VoIP Migration Strategies • Analoge Line / E1 conversion • GSM data gateway*
Maintenance	<ul style="list-style-type: none"> • Remote Maintenance via LAN • Remote Maintenance via GPRS* / ISDN (option)
Dimensions	<p>Chassis: 19" rack-mount industrial PC</p> <p>Dimension: 4U (555 x 480 x 177 mm)</p> <p>Weight: 20 kg</p> <p>Power: 100 W + 1 W per GSM or UMTS channel</p>

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
www.vierling.de