

# ECOTEL® multichannel Model VTM flex

## GSM Gateway system for corporate applications

4your mobile  
communication

- Mobile least cost routing
- Real mobile integration
- DECT alternative
- PBX booster functionality
- Email/SMS-conversion
- GSM FAX printer option
- Backup solution for internet access via GPRS/ 3G

### Real mobile integration

ECOTEL® VTM flex is the ideal solution for integration of mobile subscribers into corporate networks. The employees' mobile phones are integrated into the PBX environment, and they will take full advantage of a flexible PBX booster functionality.

### Reduced phone costs

Additionally ECOTEL® VTM flex enables the company to save money by using the most favourable rates of the mobile networks. In comparison to conventional methods telephone costs from landline to mobile networks and vice versa can drop by 30 to 70 per cent.

### PBX Booster

ECOTEL® VTM flex offers the following PBX booster functionality:

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

On demand ECOTEL® VTM flex can also be delivered as RAID system with backup power supply.



VIERLING



## TECHNICAL OVERVIEW

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

<b>Interfaces/ Supported Protocol</b>	<p><b>PRI(E1):</b> Q.931 (DSS1) CRC4/Double Frame, TE/NT (1, 3, 5, 6 ports)</p> <p><b>BRI (S<sub>0</sub>):</b> Q.931 (DSS1), TE/NT, PTP/PTMP (3, 4, 7, 8, 16, 20 ports)</p> <p><b>Analog:</b></p> <ul style="list-style-type: none"> <li>• 4 a/b ports (telephony, fax, 28.880 bps modem, CLI, DTMF)</li> <li>• 16 a/b ports (telephony, fax, 56.000 bps modem, CLI, DTMF)</li> </ul> <p><b>VoIP :</b> H.323, Codecs: G.711, G.723, G.738 (8, 16, 24 channels)</p> <p><b>GSM:</b></p> <ul style="list-style-type: none"> <li>• 900/1800 MHz</li> <li>• 850/1800/1900 MHz</li> <li>• 900/1800/1900 MHz</li> <li>• one antenna per 16 or per 32 channels</li> <li>• 2 or 8 (option) SIMs per channel</li> <li>• scalable in steps of 4 channels up to 28 channels</li> </ul> <p><b>3G:</b> 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>
<b>Scalability</b>	<p>The interfaces are implemented on standard PC cards. 1 up to 9 interface cards can be installed. (information for higher integrated systems on request)</p>
<b>Signaling</b>	<p>Inband GSM signalling is translated to ISDN or VoIP signalling Hold (by DTMF), Wait (by DTMF), voice detection</p>
<b>Standard Features</b>	<p>Real Mobile Integration</p> <ul style="list-style-type: none"> <li>• Hold, Conference controlled by DTMF</li> <li>• Mobile subscriber gets an internal extension number</li> <li>• Announcements to a group of subscribers</li> <li>• Least Cost Routing of GSM calls</li> </ul>
<b>Special Options</b>	<ul style="list-style-type: none"> <li>• Adaptive Rerouting</li> <li>• Call Forwarding</li> <li>• Least Cost Routing for landline</li> <li>• Computer Telephony Intergration (CTI)</li> <li>• Interactive Voice Response (IVR)</li> <li>• Voice Mailbox</li> <li>• Whitelist / Blacklist</li> <li>• Timed Reminding Call (wakeup call)</li> <li>• Group Call for Announcements</li> <li>• Music on Hold</li> <li>• E-Mail / SMS conversion</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>• Least Cost Router (LCR) for landline and mobile network</li> <li>• PBX Booster</li> <li>• Call Centre Booster</li> <li>• VoIP Migration Strategies</li> <li>• Analoge Line / E1 conversion</li> <li>• GSM data gateway</li> </ul>
<b>Maintenance</b>	<ul style="list-style-type: none"> <li>• Remote Maintenance via LAN</li> <li>• Remote Maintenance via GPRS / ISDN (option)</li> </ul>
<b>Dimensions</b>	<p><b>Chassis:</b> 19" rack-mount industrial PC</p> <p><b>Dimension:</b> 4U (555 x 480 x 177 mm)</p> <p><b>Weight:</b> 20 kg</p> <p><b>Power:</b> 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](mailto:info@vierling.de)  
[www.vierling.de](http://www.vierling.de)