ECOTEL® multichannel
Model VTM flex

GSM Gateway system for corporate applications

4your mobile communication

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

Today's telecommunications infrastructure is build 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 similar things. The user is responsible for managing the technology.

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 and additional hard disk.

VIERLING

TECHNICAL OVERVIEW

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

Interfaces/ Supported Protocol	**PRI(E1):**	Q.931 (DSS1) CRC4/Double Frame, TE/NT (1, 3, 5, 6 ports)
	BRI (S_0):	Q.931 (DSS1), TE/NT, PTP/PTMP (3, 4, 7, 8, 16, 20 ports)
	Analog:	• 4 a/b ports (telephony, fax, 28.880 bps modem, CLI, DTMF) • 16 a/b ports (telephony, fax, 56.000 bps modem, CLI, DTMF)
	VoIP :	H.323, Codecs: G.711, G.723, G.738 (8, 16, 24 channels)
	GSM:	• 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 28 channels
	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
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	
Standard Features	Real Mobile Integration • 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	• 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	• 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	• Remote Maintenance via LAN • Remote Maintenance via GPRS / ISDN (option)	
Dimensions	**Chassis:**	19” rack-mount industrial PC
	Dimension:	4U (555 x 480 x 177 mm)
	Weight:	20 kg
	Power:	100 W + 1 W per GSM or UMTS channel

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