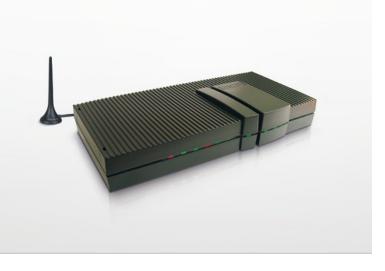
ECOTEL® GSM

GSM gateway with configurable VoIP – PSTN options



- Converts fixed-to-mobile calls into cost-saving mobile-to-mobile calls
- Landline Replacement
- Backup for voice through mobile connection
- Integrated SIP Server
- Toll-grade voice compression, T.38 fax support
- Email to SMS conversion
- Autoprovisioning available

Reduce your telephony costs

Connect your current PBX to the world of Mobile and VoIP. With low per-port implementation costs, the ECOTEL GSM supports up to 4 mobile channels, 8 VoIP channels, and different telephony options.

Eliminate the expense of international calls placed from mobile phones. The ECOTEL GSM delivers Call Through and Call Back dialing and thereby maximizes your existing VoIP infrastructure. Save time and effort during installation as a result of built-in,

designed compatibility. The ECOTEL GSM supports limit based routing for various SIM cards.

Simple installation and sophisticated management

In minutes, install the ECOTEL GSM and make your first phone calls. Just connect the cables and the power and physical installation is complete. Then, use the ECOTEL GSM's Quickstart tool to complete initial configuration.

To fine-tune the routing configuration, use our GATE Manager. Finally, you can use the TELES NMS (Network Management System) for remote provisioning of bulk installations; the ECO-TEL GSM can automatically receive updated routing files from the NMS.

Savings with Least Cost Routing

Save money on every phone call. The ECOTEL GSM delivers phone-number prefix recognition. This enables the gateway to direct calls to a specific channel that contains a SIM card from the corresponding GSM network.

Remote survivability

Protect your ability to make phone calls. If your office is disconnected from its VoIP network server, ECOTEL GSM can route both interoffice calls and PSTN calls. IP phones continue to function thereby sustaining your productivity.

Also the ECOTEL GSM can replace your landline.



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CAPABILITIES

Scalability	4 GSM / GPRS channels				
Scalability	1 SIM per channel or vGATE SIM server (optional)				
	1 Extension Module (FXS, FXO, BRI, LCR)				
	8 VoIP channels				
VoIP codecs	G.711, G.723, G.726, G.728, G.729, GSM				
Fax support					
Echo cancellation	T.38, fallback to G.711				
DTMF	G.168 – 2002, 128 ms tail length RFC 2833, SIP/H.323 info, inband				
VoIP quality	Configurable ToS, Diffserv, VLAN				
voir quality	Silence suppression, VAD, CNG, G.729B				
	QoS alternative routing based on ASR,				
	fraction lost, jitter, and roundtrip delay.				
	· · · · ·				
	Traffic shaping				
Coll routing	Dynamic PSTN fallback (IntraStar patent)				
Call routing	Time-dependent routing				
	Multilevel alternative routing				
	5000 routing entries				
	ENUM support				
	Database managed routing				
	Support for multiple gatekeepers, H.225 (v4)				
	Support for multiple registrars				
	Overlap/en-bloc conversion RFC 3578				
	Digit manipulation				
	Black/white list				
Advanced	Integrated SIP registrar and location server				
	(Metering tone (12/16 kHz) \rightarrow only FXS				
	Integrated callback/two-stage-dialing server				
	Integrated DSL router (PPPoE)				
	Integrated IP router via GPRS				
	DHCP server and client				
	Firewall support				
	VPN support				
	CLIP				
	RTP multiplex bandwidth reduction				
	STUN support				
	Symmetric RTP (COMEDIA)				
	Radius support				
GSM specific	Full vGATE SIM Server support (optional)				
	Alert/busy tone detection				
	Announcement recognition				
	E-mail to SMS conversion				
	QoS routing: automatic blocking of GSM				
	ports based on ASR, announcements or				
	network errors				

PROTOCOLS

Mobile	GSM quadband 850/900/1800/1900 MHz
VoIP	SIP (RFC 3261), H.323 (v4)
ISDN	DSS1 (Q.931, national variants), Q.SIG-BC
	TE/NT, PP/PMP (BRI only)

SYSTEM MANAGEMENT

Remote access via IP with NMS or GATE Manager	
HTML configuration interface	
SNMP (alarm management)	
Call Detail Records (CDRs)	

CONNECTION SPECIFICATIONS

Ethernet	2×Ethernet 10/100 Base-T RJ-45	
Analog	4 ports RJ-11 (optional)	
ISDN	2 ports RJ-45 (optional)	
Antenna	SMA (1 antenna for 4 channels)	

PHYSICAL PARAMETERS

Size (W × H × D)	280 mm×38mm×138 mm
Material	ABS, black
Mounting	Desktop, wall
Power supply	Wall power supply, 12 VDC, 1,6 A

ENVIRONMENTAL CONDITIONS

Temperature	+5°C to +40°C
Humidity	5 % to 80 % (non-condensing)

CERTIFICATES

EMC, Safety, CE, FCC

VoIPBox	GSM ports	VoIP ports	FXS ports	FXO ports	BRI ports
GSM	2/4	8	-	-	-
GSM FXS	2/4	8	4	-	-
GSM LCR	2/4	8	2	2	-
GSM BRI	2/4	8	-	-	2
GSM FXO on demand	4	8	-	4	-

Find out more: www.teles.com





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