



CellRoute-GSM

Fixed Wireless Terminal

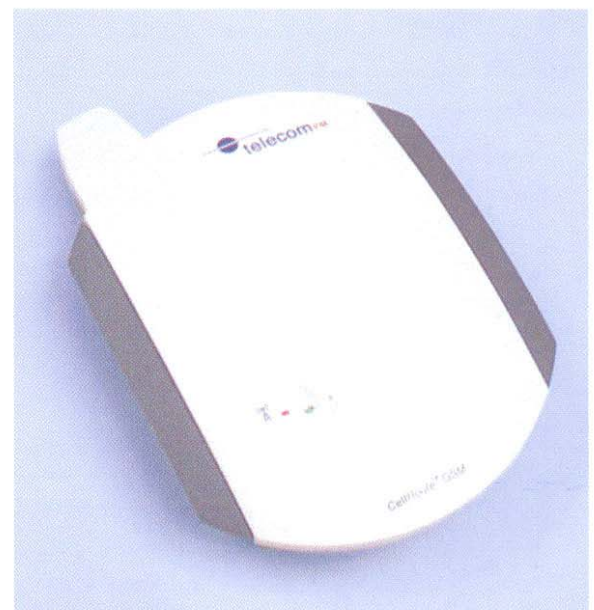


CellRoute-GSM has been developed to enable major network operators to provide Fixed Wireless Access to emerging markets around the world.

In countries where having a fixed line is either an expensive option or network infrastructure does not exist, the CellRoute can provide fixed line functionality over the GSM network.

CellRoute-GSM provides users with high quality voice using EFR (Enhanced Full Rate) codecs and has a data link rate of 9600 Baud for Email and Internet access.

The CellRoute-GSM can be self-installed by the end user, making the provisioning cycle simple and reducing costs for the network operator.



Dealer's Stamp

... a global vision of customer interconnection

CellRoute-GSM

Technical Specification

Telephony Interface

Call Control	DTMF
Line Voltage	48V on hook (36V on mains fail)
Loop Current	40mA off hook (20mA on mains fail)
Line impedance	600-ohm complex
Ring Voltage	70Vrms
Ring Load	REN 4
CLIP	Belcore FSK

GSM Interface

Bands	E-GSM 900MHz GSM 1800MHz GSM Phase 2+
Transmit Power	Class 4 (2W) for E-GSM 900MHz Class 1 (1W) for GSM 1800MHz
Speech Codecs	Half Rate (ETS 06.20) Full Rate (ETS 06.10)
Data Rate	2400, 4800, 9600 Baud
SIM Card	3V
Antenna	Integral Omni directional Antenna with SMA connector for external antenna option

Physical Interfaces

Telephone	Analogue / RJ11 or BT603 option
Data Port	RS232 / RJ45 with DB-9 converter
GSM Antenna	Gold plated SMA male
SIM Card	3V Small card retained under rear panel
Indication	2 x LED indication for power / Transmission Status

Approvals

CE Certification to R & TTE directive 1999/5/EC

GSM Certifications:

- ETS 300 607-1 Digital Cellular Telecommunications system
- EN 301 419-1 Global System for Mobile communication
- ETS 300 342-1 Radio Equipment and Systems

Features Overview

High Ringer Equivalence POTS Interface supports up to 4 additional extensions

Highly compatible POTS & PABX interface

Belcore Caller Line ID Presentation

GSM Network features supported (subject to network support)

Selectable Dial tone and Ring cadences

RS232 Data Port for emails/web

SIM lock

Network lock

Remote Software Upgrades

Off-hook Howler

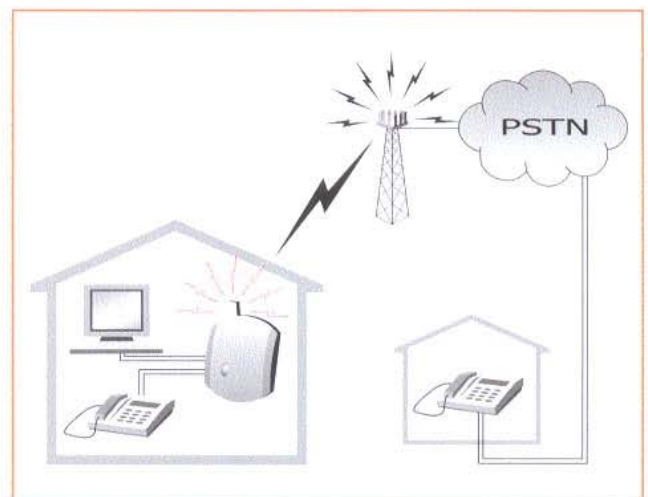
External Antenna facility

Power Supplies

Primary 110-240Vac @ 47-63Hz

Physical Specification

Height	150 mm
Width	122 mm
Depth	42 mm
Weight	460gm



For further information on this and other TelecomFM products and services, please contact TelecomFM

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