



# CellRoute 3G

## Fixed Wireless Terminal



CellRoute 3G is a fully featured terminal that allows major network operators to provide a viable alternative to Fixed Line Connections by offering their customers Fixed Wireless Access to Voice and High Speed Data.

The latest generation high speed 3.5G networks are supported providing users with data rates of up to 3.6Mbps\*

The unit has an integrated lithium battery to cater for mains power outages. 11 hours of standby time is provided with a talk time of up to 2 hours.

The CellRoute 3G can be self-installed by the end user, making the provisioning cycle simple and reducing costs for the network operator.

\* network dependent



Dealer's Stamp

... a global vision of customer interconnection

# CellRoute 3G 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	Bellcore FSK

## GSM Interface

GSM Module	Cinterion EU3-E
Bands	Dual-band UMTS: 900 / 2100 MHz Dual-band GSM: 900 / 1800 MHz
Transmit Power	Class 4 (2W) for GSM 900 MHz Class 1 (1W) for GSM 1800 MHz Class 3 (0.25W) for UMTS
SIM Card	3V
Antenna	Integral Omni directional Antenna with SMA connector for external antenna option

## Physical Interfaces

Telephone	RJ11 Analogue
Data Port	USB Type B female
GSM Antenna	Gold plated SMA male
SIM Card	3V Small card retained under rear panel
Indication	2 x LED indication for battery / Transmission Status

## Data Rates (Network Dependent)

HSDPA	Max. 3.6 Mbps Download Max. 384 kbps Upload
UMTS	Max. 384 kbps Download Max. 384 kbps Upload
EDGE (Class 10)	Max. 237 kbps Download Max. 118 kbps Upload
GPRS (Class 10)	Max. 85.6 kbps Download Max. 42.8 kbps Upload
CSD	14.4 kbps V.110

## Features Overview

- High Ringer Equivalence POTS Interface supports up to 4 additional extensions
- Highly compatible POTS & PABX interface
- Integral Battery Back-up
- Bellcore Caller Line ID Presentation
- GSM Network features supported (subject to network support)
- Selectable Dial tone and Ring cadences
- USB Data Port for emails/web and PC faxes.
- SIM lock
- Network lock
- Remote Software Upgrades
- Off-hook Howler
- External Antenna facility

## Approvals

CE Certification to R & TTE directive 1999/S/SEC

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

## Power Supplies

Primary	110-240Vac @ 47-63Hz
Secondary	3.7V 1700mAh Lithium rechargeable battery with auto switch over on mains failure
Performance	11 hours Standby time (subject to humidity and temperature) Up to 2 hours Talk time (subject to humidity and temperature)

## Physical Specification

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

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