



# 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:<br>900 / 2100 MHz<br>Dual-band GSM:<br>900 / 1800 MHz                     |
| Transmit Power | Class 4 (2W) for GSM 900 MHz<br>Class 1 (1W) for GSM 1800 MHz<br>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<br>Max. 384 kbps Upload   |
| UMTS            | Max. 384 kbps Download<br>Max. 384 kbps Upload   |
| EDGE (Class 10) | Max. 237 kbps Download<br>Max. 118 kbps Upload   |
| GPRS (Class 10) | Max. 85.6 kbps Download<br>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)<br>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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