



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, SMS and Data.

CellRoute 3G provides users with high quality voice using EFR (Enhanced Full Rate) and AMR (Adaptive Multi Rate) codecs and provides High Speed Data Access for Email and Internet access.

The CellRoute 3G 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 3G Technical Specification



Features Overview

Make and Receive Voice Calls via POTS Phone or PBX Trunk Port
Make and Receive Voice Calls via PBX Extension Port (available Release 2)
Call Waiting
Three Party Conference Calling
Phonebook
Bellcore Caller Line ID Presentation
High-Speed UMTS / HSDPA / GPRS Data via PC Serial port (Network dependent)
Dialled Number substitution / modification (available Release 2)
SMS Sending and Receiving via Web Interface (using LAN Port)
SIM lock
Network lock
Hotline automatic number dialling

GSM Interface

GSM Module	Siemens HC25
Bands	GSM 900MHz GSM 1800MHz UMTS 2100MHz
Transmit Power	Class 4 (2W) for GSM 900MHz Class 1 (1W) for GSM 1800MHz Class 3 (0.25W) for UMTS Class E2 (0.5W) for EDGE 900MHz Class E2 (0.4W) for EDGE 1800MHz
Speech Codecs	Half Rate (HR) Full Rate (FR) Enhanced Full Rate (EFR) Adaptive Multi-Rate (AMR)

Physical Interfaces

Phone Port	RJ11 socket to connect Analogue Telephone or PBX trunk
Serial Port	RJ45 socket to connect PC via RS232 Serial Port for Data
LAN Port	10/100M Autosensing RJ45 Ethernet port to connect PC or Network for SMS
GSM Antenna	Male TNC Connector
SIM Card	3V Small card
Indication	Single line LCD Display 8 x LED indication for Signal strength, Connections and Operation Status

Data Transmission Rates (Network Dependent)

HSDPA	Max. 115 kbps Download Max. 115 kbps Upload
UMTS	Max. 115 kbps Download Max. 115 kbps Upload
EDGE (Class 10)	Max. 115 kbps Download Max. 115 kbps Upload
GPRS (Class 10)	Max. 85.6 kbps Download Max. 42.8 kbps Upload
CSD	GSM 14.4 kbps V.110 UMTS 57.6 kbps V.120

Physical Specification

Length	216 mm
Width	175 mm
Height	41 mm

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

Tel : +44 (0)1753 745000 ~ Fax : +44 (0)1753 745505

E-mail : mail@telecomfm.co.uk ~ web : <http://www.telecomfm.co.uk>

All information is correct at the time of going to print. TelecomFM reserves the right to change any information without notice.