



CellFax plus Fixed Wireless Terminal



CellFax plus 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, Fax, SMS and Data.

CellFax plus provides users with high quality voice using EFR (Enhanced Full Rate) codecs, the ability to reliably Send and Receive Faxes using a standard Analogue G3 Fax Machine and supports data connections using GPRS for Email and Internet access.



CellFax plus includes an integrated battery backup which enables continued use when mains power has failed or is not available.

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

... a global vision of customer interconnection

CellFax plus

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

Call Waiting

Three Party Conference Calling

Phonebook

Fax Sending and Receiving via Analogue G3 Fax machine

Fax Sending and Receiving via PC Fax

Battery Backup

Caller Line ID Presentation

GPRS Data via PC Serial port (Network dependent)

Supports Point-Of-Sale (POS) connection

Dialled Number substitution / modification

SIM lock

Network lock

Hotline automatic number dialling

Physical Interfaces

Phone Port	RJ11 socket to connect Analogue Telephone or PBX trunk
Fax Port	RJ11 socket to connect Analogue G3 Fax Machine
PSTN Port	RJ11 socket to connect Analogue PSTN line or PBX Extension port
Serial Port	DB9 port to connect PC via RS232 Serial Port for Data
GSM Antenna	Female TNC Connector (50 Ω)
SIM Card	3V Small card
Indication	Single line LCD Display 8 x LED indication for Signal strength, Connections and Operation Status

GSM Interface

GSM Module	Cinterion MC39i / MC55i
Bands	GSM 850 / 900 / 1800 / 1900 MHz
Transmit Power	Class 4 (2W) for EGSM 850MHz Class 4 (2W) for EGSM 900MHz Class 1 (1W) for GSM 1800MHz Class 1 (1W) for GSM 1900MHz
Speech Codecs	Half Rate (HR) Full Rate (FR) Enhanced Full Rate (EFR) Adaptive multi-rate (AMR)

Battery Backup

Type	Lithium 3.7v / 1700mAh
Standby Time	12 - 18 hours*
Talk Time	2 - 3 hours*

* dependent on network & environmental conditions

Data Rates (Network Dependent)

GPRS	Class 10 - Max. 85.6 kbps Download
CSD	V.110 - Max. 14.4 kbps

Telephony Interface

Call Control	DTMF
Open Circuit Voltage	50v on hook
Line Impedance	270 Ω + (750 Ω 150 nF)
Ring Load	REN 3
CLIP	ETSI / Bellcore standards

Physical Specification

Length	200 mm
Width	150 mm
Height	40 mm
Weight	500 g

Environmental

Operating Temperature	0°C to 45°C
Operating Humidity	20% to 75%
Storage Temperature	-20°C to 60°C
Storage Humidity	5% to 95%

