



F250m

Fixed Cellular Terminal for PBX applications

Cost saving

The Ericsson Fixed Cellular Terminal Triple Band for PBX applications – F250m – is a cost saving solution for small and medium-size enterprises.

Connected to a PBX, the F250m can route outgoing calls to mobile phones through the GSM network. As a result, you can benefit from the Least Cost Routing (LCR) capabilities offered by most PBX vendors for an optimal utilization of your telephone expenses.

PBX Compatible

The F250m is compatible with most analogue PBXs on the market and with most of the available 2B+D ISDN (BR) digital output trunks, via the ISDN FI12 adapter.

The general F250m terminal direct connection to an analogue PBX or, through the ISDN Adapter FI12, can be easily performed following the instructions in the Installation Guides provided.

High quality

From an end-user point of view no difference will be perceived with the fixed line during the communication process since the voice quality achieved will perfectly emulate a fixed-line transmission as a result of the Enhanced Full Rate (EFR) speech codec.

Features

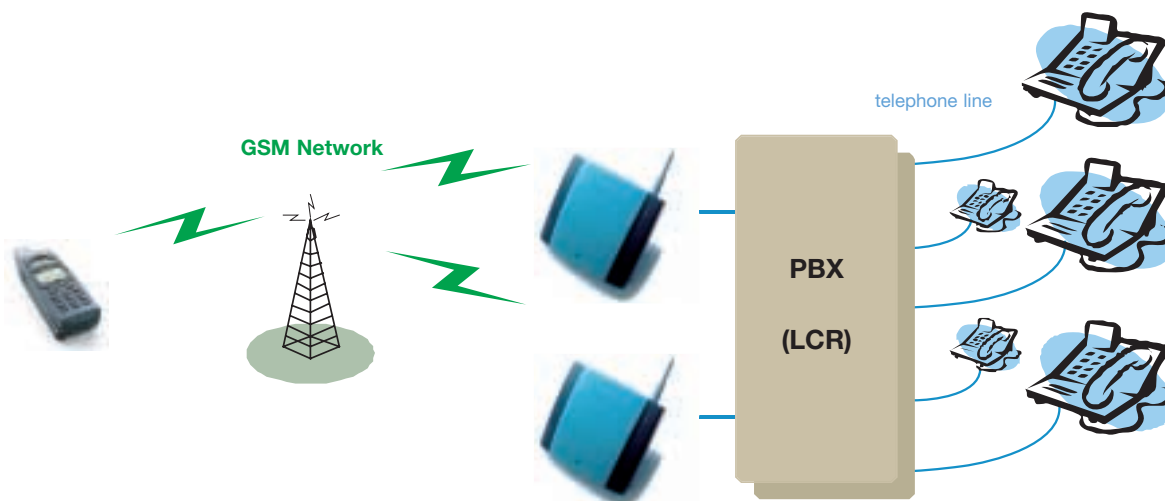
The F250m terminal allows automatic network searching between GSM 900, GSM 1800 and GSM 1900 frequencies, ensuring worldwide coverage in the GSM network.

The F250m terminal offers a broad range of GSM speech services such as:

- Prepaid Subscription,
- Calling Line Identification according to ETSI and Bellcore standards,
- Hook-flash functionality for GSM supplementary services such as Call Waiting, Multiparty Conference Calls and more (all depending on the GSM network provision).

The F250m provides a built-in SMS supervision function that allows remote control and supervision of the unit.

F250m TERMINAL WORKING ENVIRONMENT



TECHNICAL SPECIFICATIONS

GSM AIR INTERFACE

Frequency bands

Triple-Band E-GSM 900, GSM 1800 and GSM 1900

E-GSM 900

Frequencies: TX 880-915 MHz, RX 925-960 MHz
RF power: Maximum 2W (33 dBm), Power class 4

GSM 1800

Frequencies: TX 1710-1785 MHz, RX 1805-1880 MHz
RF power: Maximum 1W (30 dBm), Power class 1

GSM 1900

Frequencies: TX 1850-1910 MHz, RX 1930-1990 MHz
RF power: Maximum 1W (30 dBm), Power class 1

Speech codecs: Half Rate, Full Rate and Enhanced Full Rate

FCT INTERFACES

Telephone: RJ11 (a/b 2-wire line); POTS interface
GSM antenna: SMA plug-female (50 ohm)
SIM card: Small plug-in card, 3V or 5V type
Input Vdc: 7.5 Vdc ($\pm 0.4V$); 0.8 A (jack: EIAJ RC-5320A class 4, male)

TELEPHONE INTERFACE (POTS)

Telephone: Speech
CLI: ETSI DTMF and V.23 FSK; Bellcore FSK
Line impedance: 600 ohm (default)
Loop current: 25 mA (off-hook)
Open loop voltage: 48 V (on-hook)
Loop resistance: < 650 ohm (off-hook)
Ringing voltage: 45 Vrms
Ring load: 3 REN; up to 3 telephone devices
Call control signalling: Polarity reversal and loop-break

ANTENNA (included)

Frequency bands: Triple-Band E-GSM 900, GSM 1800 and GSM 1900

Characteristics: Omnidirectional

POWER SUPPLY (included)

AC input: 100 - 240 Vac; 47 - 63 Hz 3 pole AC inlet connector (IEC 320 power inlet)

Available plugs: EU, UK, USA, and AU

ENVIRONMENTAL

Operating temperature: -10°C to +55°C
Operating humidity: 20 - 75%
Storage temperature: -40°C to +85°C
Storage humidity: 5 - 95%

ACCESSORIES

DA20 Display: CLI, SMS receiving and other FCT services
Battery: Rechargeable 6 Vdc 1.2/1.3 Ah Lead-acid battery, 2.5 hours conversation, 13.5 hours stand-by
External antennas: Outdoor omnidirectional and directional
DC Power supply: Input: 12-24 Vdc; Output: 7.5 Vdc
FI12: ISDN
AA Battery holder

PRODUCT PRESENTATION

Basic kit: F250m business, power supply, line cable, wall mount bracket, internal antenna, user guide
FCT size: Height 148 mm, Width 165 mm, Depth 45 mm
FCT seight: 370 grams

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