

Instructions Sheet

GenPro 15e

Reference : EG_GenPro15e_1103A6_IS_000_UK
Revision : 000
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Author : PBR

**Download from our web site the
User Guide and Commands List documents.**

The **GenPro 15e** complies with

- R&TTE 1999/5/EC Directive
- EN 301 489-1: 2011 V1.9.2
- EN 301 489-3: 2013 V1.6.1
- EN 301 489-7: 2005 V1.3.1
- EN 301 489-24: 2010 V1.5.1
- EN 300 440-1 V1.6.1
- EN 300 440-2 V1.4.1
- EN 301 511: v9.0.2
- EN 301 908-1: 2011-05 V5.2.1
- EN 50385 : 2002 and EN 50383 : 2010
- EN 60950-1:2006/A11:2009/A1:2010/A12 :2011/A2 :2013
- ROHS Compliant : Directive 2011/65/EU
- REACH N°1907/2006 SVHC163

The corresponding markings appear under the appliance.

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WARNING

- To avoid any risk of electrocution, do not open the modem.
- No internal parts can be repaired by the user.
- The modem must be returned to the factory for any repairs.
- The modem must not be connected directly to the mains supply; a voltage adapter must be used.
- To ensure electromagnetic compatibility, the length of v24 (RS232-C) cable and power supply cable must not exceed a length of 3 meters.

1 General

The GenPro 15e is:

- A GSM/GPRS modem designed for transmitting asynchronous binary data, SMS and voice, operating in automatic call and answer mode according to the AT commands (as per Standards GSM 07.07 and 07.05). Please refer to the full documentation "User Guide" (EG_GenPro15e_1103D_UG_xxx_yy)

RF performances:

3GPP Release 99

Receiver input sensitivity:

- GSM 850 / E-GSM 900 -109.0 dBm, Downlink RF level @ BER Class II < 2.4 %
- DCS 1800 / PCS 1900 -109.0 dBm, Downlink RF level @ BER Class II < 2.4 %

Power Class:

GSM/GPRS Power Class

- Power Class 4 (33 dBm) for GSM/E-GSM bands
- Power Class 1 (30 dBm) for DCS/PCS bands

Packet Switched Data Rate:

- GPRS multi-slot class 10, up to 85.6 kb/s DL; up to 42.8 kb/s UL

Circuit Switched Data Rate:

- GSM CS data up to 9.6 kb/s DL/UL

2 Description

Box dimensions:

- Length: 73 mm Width: 54 mm Depth: 25 mm

On the front of the box:

- Micro-Fit 3.0 female 4-pin connector for the electrical supply.
- Female 15-point connector for the V24 (RS232-C).

On the rear part:

- SMA-F connector for connecting the GSM antenna.
- GSM 'Activity' LED.
- SIM card access.

3 Supply Consumption and Operating Conditions

In standard, the GenPro 15e may be powered with 7.2 to 32V DC.

Red cable : +V_{DC}

Black cable : GND

The GenPro 15e is delivered with a power cable. The GenPro 15e include an internal resettable overcurrent protection.

- GenPro 15e max **average power consumptions:**

- 4 mA in Shuts down mode, only Rx & Tx connected @ 12V
 - 4 mA - 60 mA peak in Power Saving mode, only Rx & Tx connected @ 12V
- In connected mode:
- 105 mA – 800 mA peak @ 12V_{DC} – GSM 900 MHz
 - 75 mA – 453 mA peak @ 12V_{DC} – GSM 1 800 MHz
 - 130 mA – 540 mA peak @ 12V_{DC} – GPRS 900 MHz – 2Tx - 3Rx
 - 100 mA – 380mA peak @ 12V_{DC} – GPRS 1 800 MHz – 2Tx - 3Rx

- **Operating conditions**

Temperatures: - Operating range: -20°C to +60°C

- Storage range: -40°C to +85°C

Humidity with no condensation: - Operating range: HR < 70% @ +55°C

Atmospheric pressure: - 700 hPa to 1060 hPa. (-400 m to 3000 m).

Weight: - 90 g.

- **SIM card:** 3V or 1.8V DC

4 Using the modem

4.1 Introduction

Before doing anything else, it is prudent to check that the modem is correctly configured and that all the necessary operating components are present.

The modem is delivered in its own packaging, together with the present documentation, 1 cable (2-wires cable), and two fixing brackets.

4.2 Connection

It is recommended making all the connections with the unit un-powered.

Connection to the supply

The GenPro 15e must be connected to a DC supply by the supplied power cable.

Network connection

A GSM/GPRS antenna must be connected to the SMA-F connector.

DTE connection

A straight 15-pin / 9-pin cable, ERCO Ref. 4404000206 is used to connect to the DTE via the V24 (RS232-C) connection

SIM card

Remove the SIM card cover.

Insert the SIM card (push/push mechanism)

Put the SIM card cover back.



4.3 Switching on

Switch the modem on.

See the documentation "User Guide" (EG_GenPro15e_1103A6_UG_xxx_yy) for more information.