

Quad-Band *GSM/GPRS*

Pocket GSM - Code 8D0114

- 850/900/1800/1900 MHz **GPRS/GSM Quad-Band Modem**
- **Data, SMS, Fax and Voice** applications
- GPRS Class 10

Power from 5 to 32 Vcc

DESCRIPTION

Pocket GSM is the Digicom's GSM Quad-Band modem (850/900/1800/1900Mhz) perfect for DATA, SMS, FAX and VOICE applications.

Pocket GSM is the evolution of Digicom's Quad-Band GSM terminals, that in the last years acquired the trust of several Wireless installers. Based on the experience of **the most innovative technologies**, it has been projected to be suitable for the industrial applications: with PLC, meters, badge readers and similar.

With Pocket GSM you will be able to remote access your information, when the telephone line is not available.

Thanks to the **SMS** and **VOICE** functionalities your applications will be able to send alarms and emergencies from anywhere: for example in SOS points, tanks control, antitheft devices, etc.

Pocket GSM is ideal even with terminals **working with Operating Systems**: from DOS to Windows® and Linux distributions.

The design is extremely compact, carried out in aluminium and completed with wall mount winglets: these features make Pocket GSM suitable even in the **most extreme solutions of industrial environments**.

With the **GPRS class 10** you will have 4 channels (timeslots) to receive data and 2 timeslots to send information. You will be able to increase the downstream speed up to 85 Kbps and the upstream speed up to 42 Kbps. You will be always connected but you will pay for the transferred data only.

For the best use of the bandwidth offered by the GPRS technology, you can operate with **integrated TCI/IP protocol**.

The SIM slot (Plug-In 3V) and the **SIM holder** have been developed for an easy installation and maintenance.

The **power cabling** uses the same connectors as automotive solutions to guarantee the maximum reliability even in critical applications (crash,vibrations, etc.). The power range is wider, from 5 to 32Vdc with a considerable low consumption so that Pocket GSM can be used in various applications without modifications or adapter.

The data interface is a 9 pin **RS232 (V.24/V.28) serial interface** able to control the interface speed from 300 to 115.200bps, as for a standard modem.

Pocket GSM can be configured through a complete set of **AT commands** standard GSM ETSI 07.07 and 07.05.

It supports **V.32 protocol for analog connections** and **V.110 protocol for digital connections** that guarantees a



very fast connection time to ISDN access without any additional signal conversion.

Pocket GSM can manage **SMS** both in **PDU** and **Text format** and it's compliant with all the communication softwares for the SMS management.

Furthermore it has **4 digital inputs** and **2 outputs** through which you can read inputs contacts and control devices connected to the outputs.

There are also **2 analog inputs** for the connection of sensors (thermometer, level meters, etc.).

You will be able to have a complete application using a sole device that will allow to send an SMS after detecting an input status change or to analyze the received SMS and to pilot an output contact.

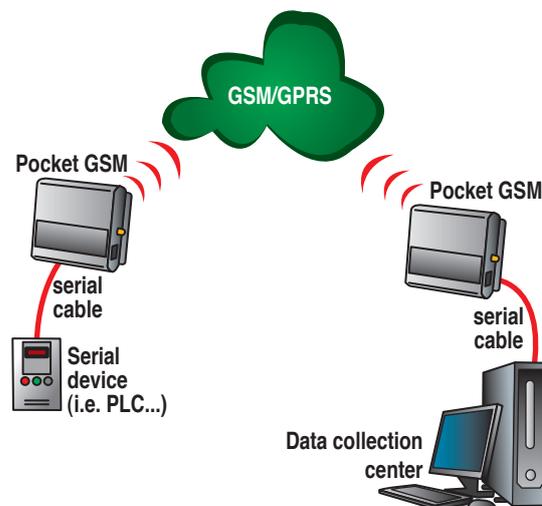
On request it is possible to develop **special versions** of Pocket GSM, using the GPRS functionality class 10 (4+2) together with the built-in TCP/IP protocol, the automatic management of inputs and outputs through SMS and the detection of DTMF tones.

Pocket GSM is suitable in the following applications:

- Telemetry
- Remote measuring and control in energy production environment
- Inside gas, water and electrical energy distribution cabin
- For the monitoring of ways and railways (traffic detection, SOS points, etc.) and for traffic lights remote control
- On-line public informative systems (rotating advertising messages on ways, motorways, buses)
- Image transmission in security applications
- In electronic funds transfer devices (i.e. POS)
- Bypass of the last mile through the GSM network, for telecommunications operators

TECHNICAL FEATURES

- 850/900/1800/1900MHz Quad-Band modem
- GPRS Class 10
- Integrated TCP/IP
- Standard ETSI GSM Phase2+ compliant
- Radio GSM 900MHz Class4 (2Watt output power)
- Radio DCS 1800Mhz Class1 (1Watt output power)
- External antenna (SMA connector)
- AT commands support (GSM07.07 and 07.05)
- Data transmission up to 9600 bps V.32, V.22bis, V.22, V.21
- V.110 ISDN data transmission up to 9600bps
- Non Transparent mode (RLP)
- SMS support PDU and Text mode (MT/MO)
- Gr.3 FAX support up to 9600bps
- Voice support
- 4 Digital inputs
- 2 Analog inputs
- 2 Outputs open collector
- Protected slot for SIM card (Plug-In 3V)
- Data interface: RS232 9pin (V24/V28)
- Power supply led indicator
- Status led indicator (logged/not logged, connected)
- RJ6 Connector for voice functions
- Power Supply: from 5 to 32Vdc
- Low consumption
- Mechanic dimensions: 87 x 75 x 25mm, Weight: 130 gr.
- Full Type Approval (R&TTE)
- CE Mark



Code	Description
8D0114	Pocket GSM/GPRS
8D6063	PSU PocketGSM - Power supply with connector (IN: 230Vac OUT: 12Vcc)
8D4272	Dual-Band antenna with SMA/m connector, cable length 3 m
8E4150	Dual-Band antenna with SMA/m connector, length 0,8 m
8E4159	CD65-5 SMA/m-SMA/f cable, length 5 m
9D0527	CD64-1,8 V24/V28 9 pin female serial cable for Pocket GSM
6D1255	I/O cabling 12 wires connector for I/O management