

GSM/GPRS Modem

GPRS BULK MICRO QB - Code 8D0157QB

- **GSM/GPRS** serial modem
- **TTL** data interface
- **Data, SMS** application
- **Remote management** of any serial device

Built-in Microprocessor

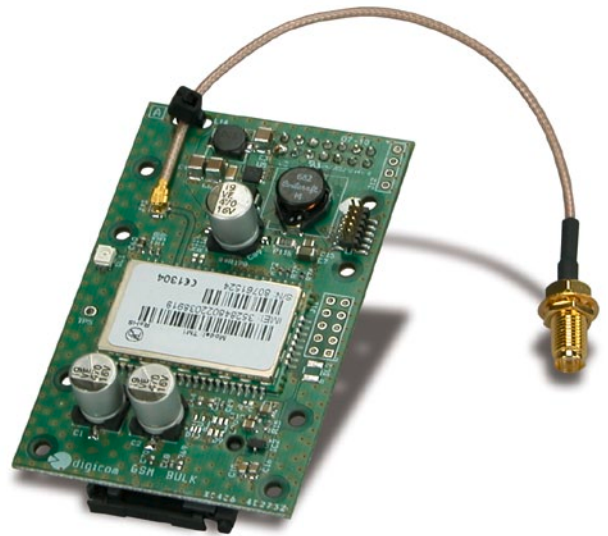
DESCRIPTION

The easiest GSM solution to be integrated in your systems.

The growing demand for automatic devices has finally seen the development of the GSM market for the most different applications.

The occasional requests of reaching the various devices (from presence detectors to parking meters, industrial machines, etc.) in order to know the status or to automatically enable maintenance requests is now a reality.

GPRS Bulk Micro QB is the evolution of Digicom GSM/GPRS terminals that in the last years gained the trust of several installers of wireless applications.



In its standard version **GPRS Bulk Micro QB is equipped with a microprocessor** for an easier installation in industrial applications. It can be used in any application **where the traditional phone line is not available** but where it is necessary to have a **DATA connection** to access and remote control the installation or to connect and transfer the data between the center and the periphery.

If you haven't many information to send, we suggest to use **SMS** management to send data with GPRS Bulk Micro QB at a low cost.

The Micro application integrated into GPRS Bulk Micro QB will not influence the standard operation with GSM devices; it will improve the installation allowing **the remote configuration via SMS** and the control of the GSM network quality via SMS.

The data interface is an **RS232 serial port on TTL male connector** with a 2x9 pin passo 2.54 able to control the interface speed from 1200bps to 115200bps, as for a standard modem.

GPRS Bulk Micro QB has been designed to make available a GSM platform easy to use and to be integrated into your manufacturing cards.

GPRS Bulk Micro QB 19/02/2013



For further information visit
our website <http://www.digicom.it>

Ready to be used, it is supplied with a 5Vdc power supply circuit, with the SIM card holder (plug-in type) and with the SMA connector for GSM antennas.

GPRS Bulk Micro QB can be **configured through a complete set of AT commands standard GSM ETSI 07.07 and 07.05** and through proprietary AT commands for the microprocessor additional functions.

Besides **V.32 protocol** for data connections with analog modem at 9600bps, GPRS Bulk Micro QB also supports the **V.110 digital protocol** for ISDN connections.

GPRS Bulk Micro QB can manage **both PDU and Text SMS**.

With the **Class 10 GPRS** 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 up to 42 Kbps. You will be always connected but you will pay for the transferred data only. On request, it is possible to carry out **special versions of GPRS Bulk Micro QB** allowing the use of Class 10 GPRS (4+2) with the **TCP/IP protocol**.

TECHNICAL FEATURES

- 850/900/1800/1900MHz Quad-band modem
- Class 10 GPRS
- Standard ETSI GSM Phase 2+ compliant
- Radio GSM 850/900 MHz Class 4 (2W output power)
- Radio DCS 1800/1900MHz Class 1 (1W output power)
- SMA female connector for external antenna
- AT commands support (GSM 07.07 and 07.05)
- Internal microprocessor management
- Data transmission up to 9600 bps
- Analog protocols management: V.32, V.22bis, V.22, V.21
- ISDN protocol management: V.110
- Non Transparent Mode (RLP)
- PDU and Text mode SMS (MT/MO)
- Plug-in (3 - 1.8V) SIM slot
- Data interface: 2x9 pin passo 2.54 male TTL connector
- Led indicators: GSM status
- Power supply: 5 Vdc
- Low consumption
- Size: 76x48x15mm
- Weight: about 40 gr
- Temperature range: -20°C/+55°C
- R&TTE Approval
- CE Mark

