



## GSM/GPRS/GPS-Shield

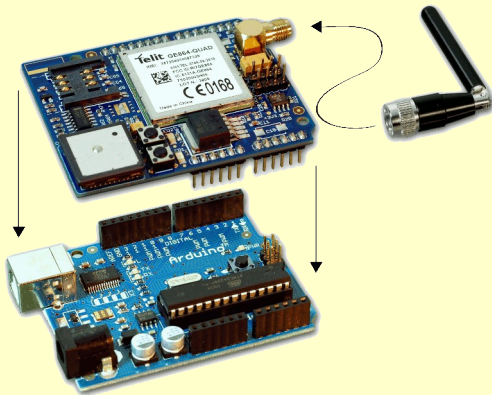
- for Arduino-Board Duemilanove/UNO (Atmega328)

... the extension module for GSM (mobile communication) and GPS (navigation)

The open-source physical computing platform *Arduino*, based on easily applicable hardware and software for the development of prototypes, consists of a microcontroller (ATmega328) with numerous digital as well as analog inputs and outputs and interfaces...

*Arduino* boards can be expanded to valuable features by plugging the so-called "Shields". With the **GSM/GPRS/GPS-Shield** the *Arduino* board is enabled to use GSM (mobile communication) and GPS functionality (navigation), for example to

- identify the current position via GPS and send it via SMS
- send an alert
- to track a travel route and send it via GPRS



The **GSM/GPRS/GPS-Shield** is plugged as "primary" shield on top of the *Arduino* board, ensuring that the antenna of the integrated GPS receiver has "free view". The communication between the two boards is achieved via the serial interface (GSM/GPRS) and SPI (GPS).

Any standard screw mount GSM antenna types (stubby, magnetic mount, adhesive mount) with SMA connectors can be used.

Demo programs, drivers and libraries for operating the **GSM/GPRS/GPS-Shield** are of course included.

### Technical Features

#### General

- operating voltage 5VDC ... 9VDC
- requires the *Arduino* board "Duemilanove" (Atmega328) or *Arduino* board "UNO" (Atmega328)

#### GSM

- integrated wireless module: Telit GE865-QUAD
- GSM-, GPRS-, CSD enabled
- used with pre-paid or contract SIM cards of all providers, no SIM lock
- control via serial interface (TTL level), antenna connector: SMA

#### GPS

- GPS module: Fastrax UP501 with integrated antenna
- internal supply voltage: 3,3V
- control via SPI

**Arduino has a great fan community.. and of course their own website with many example applications as well as an extensive forum** → <http://www.arduino.cc/>

**Manufacturing and Product Development "Made in Germany", i. e. Unlike many other products in computer equipment, we provide a long time availability.**

#### Prices:

<b>GSM/GPRS/GPS-Shield</b>	126,05 €
<b>optional Arduino-Board "UNO"</b>	21,68 €
<b>optional GSM Antenna "AT-010"</b>	9,92 €
<b>optional Power Supply</b>	8,40 €
<b>GSM/GPRS/GPS-Shield - Kit (incl. a. m. items)</b>	158,82 €

excl. VAT. plus Postage. Order through our Internet-shop ([www.antrax.de/shop](http://www.antrax.de/shop)) or via Email ([info@antrax.de](mailto:info@antrax.de))