

# SMS Alarm Modem

## The Asvito SMS Alarm Modem

The Asvito SMS Alarm Modem sends alarm messages triggered by GPIO signals from external sources. The alarm can trigger on either rising or falling edge, and a customized alarm text is sent to a list of up to five recipients.



### Overview

The Asvito SMS Alarm Modem is highly suited in industrial and mobile application for monitoring of passive sensors. It can constantly monitor two independent GPIO sources, and fire an SMS alarm message if the IO level changes to the preset alarm level. The message is sent to a list of up to five recipients, and can be set up to require that any of the recipients confirm the alarm. Any system property like the system ID, alarm message texts, power on message and password can be customized to fit the customers specific needs.

### Alarm operation modes

The Asvito SMS Alarm Modem can operate in two modes, normal and alarm confirmation mode. In normal mode, the SMS alarm message is sent, and the modem will wait for the alarm signal to reset before sending a new message. In alarm confirmation mode, the latest alarm message will be resent a number of times (default 3) until the alarm message is confirmed. The alarm message is sent to all the recipients, and any of the recipients can confirm the alarm. When an alarm is confirmed, or after the message is resent the specified number of times, the alarm state is reset and the modem will wait for the next alarm signal.

### Startup and configuration

The SMS Alarm Modem does not require any special skills or knowledge to set up. It has clear and detailed user manual, and every feature are described with the user in focus. Each command description is followed by detailed examples to ease understanding. During the installation it is required to use a mobile phone to send SMS messages, but there are no needs for a PC or any special software. The alarm message recipients are also stored on the five first places on the SIM card, so every SIM card can be preconfigured before deploying the modem.

### Tailoring

The Asvito SMS Alarm Modem application can be tailored to meet your specific requirements, please contact us if you want to request a feature or add custom functionality.

#### Features

- SMS Alarm
- Alarm confirmation
- Recipient list
- Password protection
- SMS Configuration
- System ID
- Alarm message text
- Power on message
- PIN code

#### Supported hardware

- Sierra Wireless Fastrack Supreme 10/20s
- Sierra Wireless Fastrack Extreme
- Sierra Wireless Fastrack Xtend
- Sierra Wireless WMP 100

#### Technical specification

**Wireless band:** GSM Quad Band (850 / 900 / 1800 / 1900 MHz)

**Processor:** ARM 946, 32 bit, 104 MHz, 88 MIPS max

**Dimensions:** 73x54.5x25.5 (88x54.5x25.5) mm

**Operating range:** 5.5V to 32.0V

**Current consumption:** 480 mA average, 2.1A peak at 5.5V

**Antenna impedance:** 50 Ohms nominal, Gain: 0 dBi, VSWR: 2

**Environmental characteristics:**  
Full performance: -20 to +55 C  
Degraded performance: -30 to +85 C  
Storage: -40 to 85