

## GPRS communication platforms for industrial applications

Regensburg, 25. April 2005

Regensburg – GPRS communication platforms from INSYS MICROELECTRONICS facilitate service, maintenance and monitoring of systems where a fixed line connection does not exist or would be too costly to install. As a permanently available connection, with a high transfer rate up to 85 kbps (upload and download) and at affordable volume rates, the packet-oriented GPRS service is an ideal solution for the regular retrieval of system data including the transfer of large amounts of data. The devices are suited for industrial environments. They are designed for applications where excellent reliability, constant availability as well as easy integration and configuration are essential. INSYS provides two versions for different requirements: INSYS GPRS 5.0 has a DIN rail housing, whereas the i-module GPRS 3.0 is a plug-in integration module for OEM designs.



**Figures 1,2:** GPRS data communication devices:  
INSYS GPRS 5.0 and i-module GPRS 3.0 (right)

The GPRS communication platforms are quad band devices (850/900/1800/1900 MHz) and can therefore be used worldwide. They fully support SMS notifications as well as incoming and outgoing GSM data connections. INSYS provides a comfortable modem emulation for remote configuration and maintenance purposes: the customer-specific application can supply data to the transparent RS232 interface to be transmitted over the GPRS network. A virtual COM port driver allows an easy integration of the device into the existing system. Thanks to its callback function, a GPRS connection can be initiated via SMS or via a trigger phone call. GPRS devices from INSYS can therefore be reached in all networks. With the help of the user-friendly Win-

dows tool HSComm, they can be configured on location. Additionally, remote configuration via data link or SMS is also possible.