

## Enhanced data rates in GSM networks:

### INSYS data communication devices with integrated EDGE technology

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Regensburg – INSYS MICROELECTRONICS provides data communication devices featuring integrated EDGE technology (**E**nanced **D**ata **R**ates for **G**SM **E**volution) which offer users a higher data rate in GSM networks. EDGE speeds up the packet-oriented GPRS service, ensures shorter signal propagation times thanks to a more efficient modulation process, and thereby reduces response times in remote control applications. Just like GPRS, EDGE allows for a permanent connection. Compared with GPRS, it also provides higher transmission rates up to 230 kbps (upload and download). Thanks to attractive tariff models which charge users for the sent data volume, not for the duration of the connection, this technology is equally suited for periodically retrieving plant data and for transferring large data volumes (i.e. videos).

The EDGE devices can be used as mobile radio routers or as fast, mobile modem replacements. INSYS provides EDGE devices as complete models for DIN rail installation or as OEM integration boards (i-modules).



**Figure:** Efficient data transfer thanks to integrated EDGE technology