

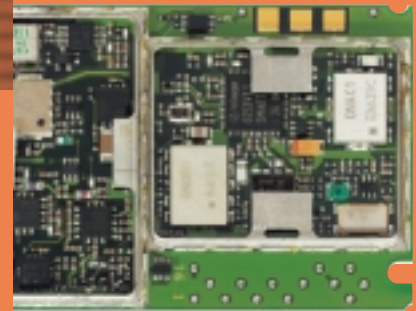
# Speed up with GPRS

Faster wireless on the web: Integrate GPRS into notebooks, PDAs, smart phones and other devices with the MC35 from Siemens. The advantages: Permanent on-line connection, fast data access and higher data transmission rates for speedy downloads. The MC35 supports all functions of the TC35 and, on top, offers the rapid GPRS technology. That makes the migration from TC35 to MC35 very easy. Any other questions? Our Application Engineering is there for you worldwide to support you with the integration into your solution.

**SIEMENS**

Cellular Engine

**MC35**



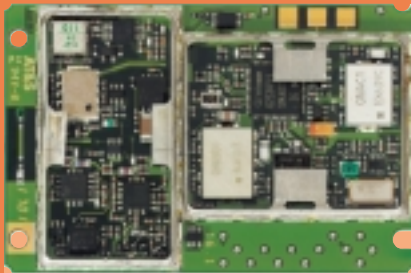
Be inspired

**Pre-release**

# Cellular Engine MC35

## The first GPRS module from Siemens for mobile computing and multimedia

actual size



- Dual-band EGSM900/GSM1800
- GPRS
- Small, lightweight design
- Low power consumption
- Data, Voice, SMS and Fax
- SIM application tool kit
- Full type approval (R&TTE)
- Easy to integrate

### The broadest application spectrum:

- Mobile computing
- Handheld devices
- POS terminals
- Fleet management
- Security systems
- Remote monitoring
- Remote meter reading
- Vending machines
- Traffic control and navigation systems

### Product features:

- Dual-band EGSM900 and GSM1800
- GPRS multi-slot class 8
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
- Output power:
  - Power Class 4 (2 W) at EGSM900
  - Power Class 1 (1 W) at GSM1800
- Control via AT commands
- SIM application tool kit
- Supply voltage range 3.3...4.8 V
- Power consumption:
  - Sleep mode 3.0 mA
  - Idle mode (registered) 10.0 mA
  - Speech mode 300 mA (average) 2.0 A (peak)
  - Power down 100  $\mu$ A

- Weight: 18 g
- Dimensions: 54.5 x 36 x 6.75 mm
- Ambient temperature: –20°C ...+55°C according GSM 11.10

### Approvals:

- R&TTE with reference equipment
- GCF approval

### Audio:

- Half rate (HR)
- Full rate (FR)
- Enhanced full rate (EFR)
- Basic handsfree operation
  - Echo cancellation
  - Noise reduction

### SMS:

- Point-to-point MO and MT
- SMS cell broadcast
- Text and PDU mode

### Fax:

- Group 3, Class 2

### Data:

- CSD up to 14.4 kbps
- USSD
- Non transparent mode
- V.110
- GPRS: max. 85.6 kbps (downlink)
- Coding scheme CS 1, 2, 3, 4
- PPP-stack

### Interfaces:

- 40 pin connector:
  - Power supply
  - SIM 3 V
  - RS232 bi-directional
  - Autobauding
  - Analog audio
- 50 Ohm antenna connector

More about the Wireless Modules from Siemens at:

[www.siemens.com/wm](http://www.siemens.com/wm)