SIEMENS

Speed up
with GPRS

Cellular Engine
MC35
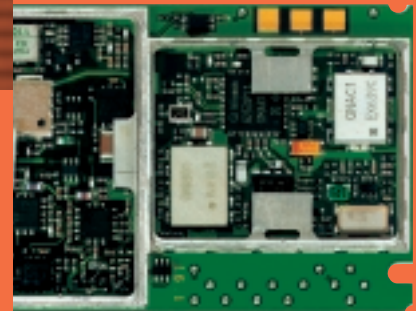
Faster wireless on the web:
Integrate GPRS into note-
books, PDAs, smart phones
and other devices with the
MC35 from Siemens. The
advantages: Permanent on-
line connection, fast data
access and higher data trans-
mission rates for speedy
downloads. The MC35 sup-
ports all functions of the
TC35 and, on 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 inte-
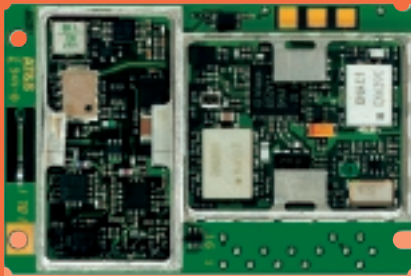gration into your solution.

Be inspired

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, GCF)**
- **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
- Supply voltage range 3.3...4.8 V
- Power consumption:
  – Sleep mode (registered DRX = 6) 3.0 mA
  – Idle mode (registered) 10.0 mA
  – Speech mode 300 mA (average) 2.0 A (peak)
  – Power down 50 µA
- Control via AT commands
- SIM application tool kit

- Multiplex RS232 interface with 3 virtual serial channels
- Weight: 16 g
- Dimensions: 54.5 x 36 x 6.65 mm
- Ambient temperature: $-25°C...+55°C$ 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

Fax:

- Group 3, Class 2

SMS:

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

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
  – Charging
- 50 Ohm antenna connector

More about the Wireless Modules from Siemens at:
www.siemens.com/wm