SIEMENS
mobile

Discover
high-speed

Wireless
Modules

Be inspired

MC35i
pre-release

MC35i is the new generation of Dual-Band GSM/GPRS engines. This extremely compact module for high-speed data transmission is the ideal solution for a wide range of applications, such as:

- POS terminals and scanners
- Vending machines
- Security systems
- Remote telemetry and telematics systems
- Fleet management and tracking systems
- Traffic control and navigation systems
- Handheld devices
- GPRS modems

MC35i is compatible to the predecessor MC35 and offers the user an easy, embedded wireless connectivity. With GPRS, the MC35i is always online and provides highest data transmission rates.

For contact and more information please visit www.siemens.com/wm

High-speed communication solutions with Cellular Engine MC35i

The Dual-Band GSM/GPRS module MC35i is a super slim communication module for a broad range of applications in telemetry, telematics and telephony. The MC35i enables data, voice, SMS and fax applications at low power consumption. Thanks to its flexible mounting concept, the module can be easily integrated into all kinds of host devices. We ensure full type approval according to R&TTE and GCF as well as approvals from leading GSM network operators.

Original size

Wireless Modules
Benefits and hard facts

General features:
- Dual-Band EGSM900 and GSM1800
- Compliant to GSM phase 2/2+
- Output power:
  - Class 4 (2 W) for EGSM900
  - Class 1 (1 W) for GSM1800
- Control via AT commands
- SIM Application Toolkit
- Multiplex RS232 interface
- Supply voltage range 3.3 ... 4.8 V
- Power save mode
- Power consumption:
  - Idle mode (registered) 25 mA
  - Speech mode (average) 300 mA
  - GPRS mode (average) 360 mA
  - TX burst (max.) 2.5 A
  - Power down 50 µA
  - Sleep mode (max.) 3.5 mA
- Dimensions: 54.5 x 36 x 3.6 mm
- Weight: 9 g
- Ambient temperature:
  - −20 °C ... +55 °C

Specifications for fax:
- Group 3, class 1, 2

Specifications for data transfer:
- GPRS class 8 (85.6 kbps)
- Full PBCCH support
- MS class B
- Coding scheme CS 1, 2, 3, 4
- CSD up to 14.4 kbps
- USSD
- Non transparent mode
- V.110

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

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

Additional features:
- Phone book
- Multiparty call
- Call diverting
- Real-time clock
- Alarm management
- Several ringing tones
- DTMF

Interfaces:
- 40-pin ZIF connector:
  - Power supply
  - SIM 3 V
  - RS232 bi-directional bus
  - Autobauding
  - 2 analog audio interfaces
- 50 Ω GSC RF connector

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