

SIEMENS



Discover high-speed

Wireless
Modules



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

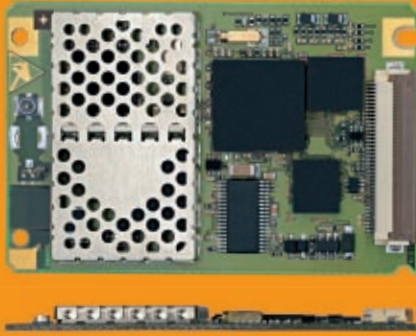
MC35i is compatible to the predecessor MC35 and offers the user an easy, embedded wireless connectivity. With GPRS, the MC35i is always online and provides highest data transmission rates.

MC35i

For contacts and further 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.



Wireless Modules Benefits and hard facts

Original size

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 serial interface
- Supply voltage range 3.3 ... 4.8 V
- Power save mode
- Power consumption:
 - Power down 50 μ A
 - Sleep mode (registered DRX=6) 3.0 mA
 - Speech mode (average) 300 mA
 - GPRS class 8 (average) 360 mA
- Dimensions: 54.5 x 36 x 3.6 mm
- Weight: 9 g
- Ambient temperature:
 - 20 °C ... +55 °C
- Automatic switch-off at
 - 25 °C and +70 °C

Specification 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 (Dual Tone Multi Frequency)

Interfaces:

- 40-pin ZIF connector:
 - Power supply
 - SIM 3 V
 - Serial interface with ITU-TV.24 protocol
 - Autobauding
 - 2 analog audio interfaces
- 50 Ω GSC RF connector

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

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Subject to changes in technology,
design and availability

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