

SIEMENS
mobile



Accelerate wireless communication

Wireless
Modules



Be inspired

The Dual-Band module MC39i offers the maximum possible data transmission rate for GSM/GPRS. Its compact and extremely robust structure makes it suitable for both consumer electronics and industrial environment M2M applications. Some possibilities include:

- Mobile computing devices
- Security systems
- GPRS modems
- Smart phones
- Telemetry and Telematics systems

Build the future: the MC39i can be quickly integrated into your device free of complications. It is based on the proven platform of the MC35i, with which it is completely downward compatible.

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

MC39i

MC39i – enjoy the maximum rate of data transmission in wireless high-speed communication

With GPRS class 10 the Dual-Band GSM/GPRS module MC39i provides the maximum data transmission rate with low power consumption. It enables data, voice, SMS and fax applications. Thanks to its flexible mounting concept, the module can be easily integrated into all kinds of host devices. Full compatibility to the Siemens MC35i allows to upgrade existing applications to GPRS class 10. We ensure full type approval according to R&TTE and GCF as well as approval 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 10 (average) 590 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

Specifications for fax:

- Group 3, class 1, 2

Specifications for data transfer:

- GPRS class 10 (21.4 kbps uplink/85.6 kbps downlink or 42.8 kbps uplink/64.2 kbps downlink)
- 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 hands-free 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
 - Serial interface with ITU-T V.24 protocol
 - 2 analog audio interfaces
- 50 Ω GSC RF connector

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

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and availability

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