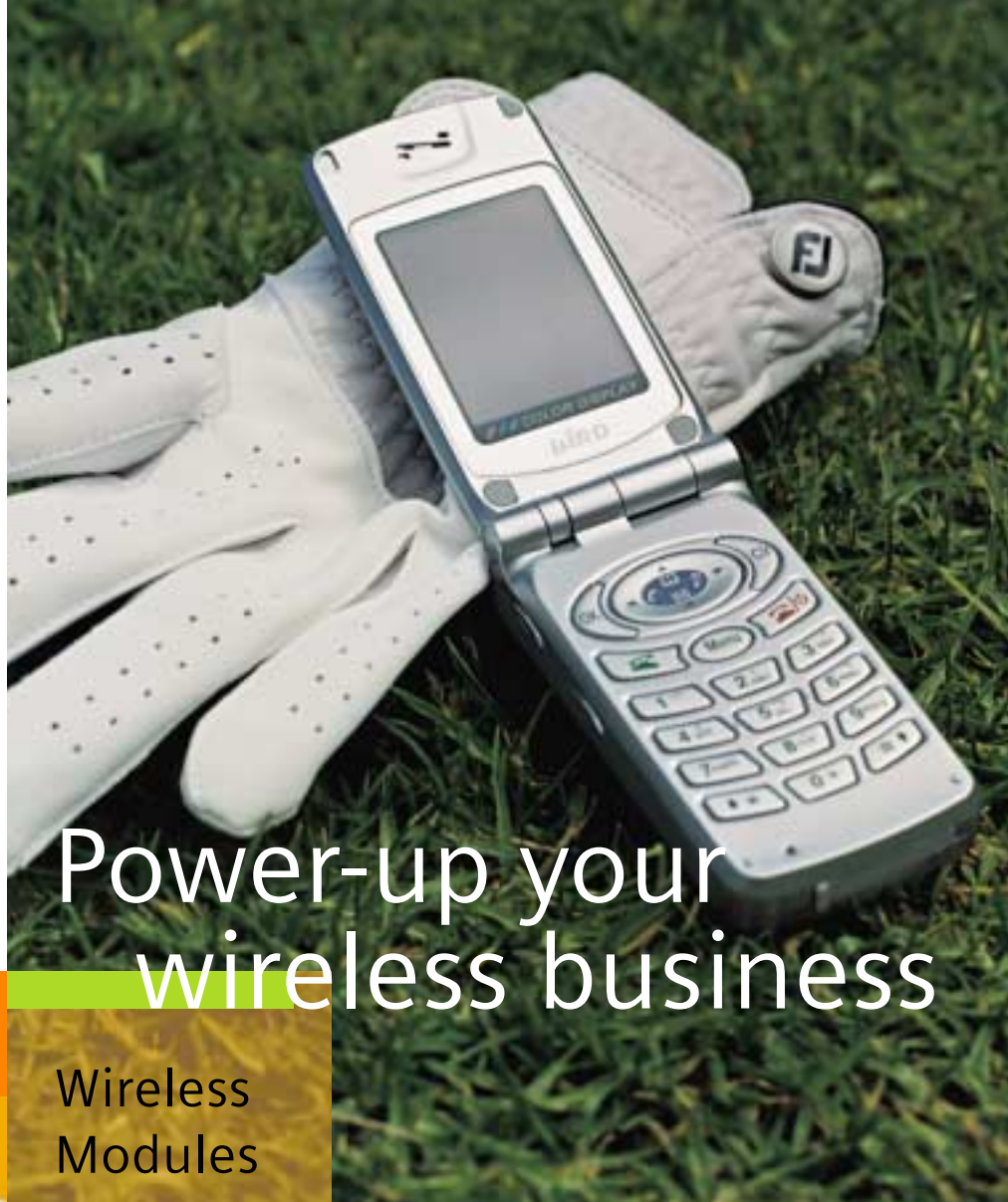


**SIEMENS**  
mobile



# Power-up your wireless business

Wireless  
Modules



Be inspired

Small is beautiful! With MC55/MC56 Siemens mobile presents the world's smallest, double Tri-Band GSM/GPRS modules! This miniaturized, complete voice- and data solution enables infinite flexibility in the design and creation of next generation's mobile devices. Opt for MC55/MC56 and convert your ideas into revolutionary solutions for global markets! The application possibilities are virtually unlimited:

- Mobile computing devices
- Smart phones
- Computing accessory cards
- And much more to enable your customers wireless connectivity

The MC55/MC56 modules are full type approved and optimized for easy and fast integration in mobile devices. Utilizing the MC55/MC56 will reduce your development risk and investment as well as cost and time to market.

For contact and more information please visit [www.siemens.com/wm](http://www.siemens.com/wm)

# MC55/MC56

# Siemens MC55/MC56 – the world's most treasured Tri-Band GSM/GPRS modules: ultra-light, ultra-flat, ultra-flexible.

At only 3.0 mm, these revolutionary GSM/GPRS modules open up new integration possibilities for a wide spectrum of mobile computing devices, such as PDAs, smart phones and other handhelds. The easy integration path enables a wide range of applications. The MC55/MC56 modules are full type approved for worldwide operation.



## Wireless Modules Benefits and hard facts

Original size

### General features:

- Tri-Band GSM/GPRS 900/1800/1900 MHz (MC55)
- Tri-Band GSM/GPRS 850/1800/1900 MHz (MC56)
- GPRS multi-slot class 10
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
- Output power:
  - 2 W for EGSM850
  - 2 W for EGSM900
  - 1 W for GSM1800
  - 1 W for GSM1900
- Dimensions: 35 x 32.5 x 3.0 mm (btb-connector: 3.3 mm)
- Weight: 5.5 g
- Control via AT commands (GSM 07.07 and 07.05)
- SIM application toolkit
- WAP compliant
- MMS compliant
- Supply voltage range 3.3 ... 4.8 V
- Low power consumption
- Ambient temperature:
  - 20 °C to +55 °C
- Auto switch-off at +70 °C

### Specifications for fax:

- Group 3, class 2

### Specifications for data:

- GPRS class 10: max. 85.6 kbps (downlink)
- PBCCH support

- Coding schemes CS 1, 2, 3, 4
- CSD up to 14.4 kbps
- USSD
- Non transparent mode
- V.110
- PPP-stack

### Specifications for SMS via GSM and GPRS:

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

### Specifications for voice:

- Tricodec
  - Half rate (HR)
  - Full rate (FR)
  - Enhanced Full rate (EFR)
- Adaptive multi rate (AMR)
- Hands-free operation (echo cancellation)
- Noise reduction

### Drivers:

- Microsoft® Windows Mobile™ RIL Driver
- MUX Driver

### Approvals:

- R&TTE
- FCC
- IC
- GCF
- PCCRB
- Local approvals and mobile operator certifications

### Interfaces:

- Interface to external SIM
- Board-to-board connector
- Digital and analog audio interfaces
- AT commands via serial interface
- Two serial interfaces
- Power supply 3.3 ... 4.8 V
- Antenna connector and antenna pad
- Battery charger

### Compatibility:

- AT cellular command interface

More about  
Siemens Wireless Modules at:  
[www.siemens.com/wm](http://www.siemens.com/wm)

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Mobile  
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