SIEMENS

Think in new possibilities

Wireless Modules

Extremely compact and therefore ultra slim – our new GSM module TC35i opens new dimensions for applications in telemetry, telematics and telephony.

Think about new possibilities in
• Metering
• Fleet management and freight tracking
• Remote monitoring and voice applications
• Vending machines and POS terminals
• Security systems
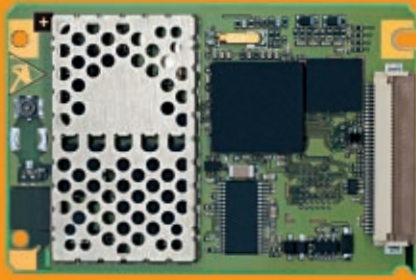• And much more for your planning

The TC35i is compatible with its predecessor engine TC35. As a truly optimized upgrade, it offers additional features such as the SIM application toolkit and extended AT commands for the industrial environment.

For contacts and further information please visit www.siemens.com/wm

TC35i

The ultra slim GSM module TC35i for boundless communication solutions

The new Dual-Band TC35i is designed for high-volume applications based on data, voice, SMS or fax. It allows easy integration into a wide range of applications, thanks to its minimized volume and its flexible and easy mounting concept using a ZIF connector and a GSC antenna plug. Thus the TC35i offers the user easy-to-integrate embedded wireless connectivity at low power consumption. As all Siemens modules it is R&TTE and GCF approved. It is also on the list of recommended modules of 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 RS232 interface
- Supply voltage range 3.3 ... 4.8 V
- Power save mode
- Power consumption:
  - Idle mode (registered) 25 mA
  - Speech mode 300 mA
  - Peak < 2.5 A
  - Power down 50 µA
  - Sleep mode 3.5 mA
- Dimensions: 54.5 x 36 x 3.6 mm
- Weight: 9 g
- Ambient temperature:
  - −20 °C ... +55 °C

Specifications for data transfer:
- CSD up to 14.4 kbps
- USSD
- Non transparent mode
- V.110
- 7E1-character framing

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

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

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
  - RS232 bi-directional bus
  - Autobauding
  - Analog audio
- Antenna connector GSC, 50 Ω

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