

SIEMENS



EDGE up your business

Wireless Modules



Siemens presents its MC75, making it the first vendor to introduce a GSM/GPRS module with integrated EDGE technology. This module handles highly data-intensive multimedia applications – such as downloading and streaming of audio and video data, transmission of digital photos and instant messaging services – with exceptional speed and reliability. With Quad-Band capability, the MC75 can be used in all the existing GSM networks in America, Europe and Asia, guaranteeing seamless communication.

The MC75 is ideally suited for:

- Smart phones
- PDAs
- Notebooks
- Computing accessory cards
- And much more to enable wireless connectivity for your customers

Thanks to its integrated RIL/NDIS driver, the MC75 module is ideally suited for Smartphones and PDAs using software based on Microsoft® Windows® Mobile™ devices.

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

MC75

MC75 with EDGE and Quad-Band – the high-speed module for worldwide wireless solutions

The module can be easily integrated into mobile communication solutions thanks to its extremely compact size of 34 x 45 x 3.5 mm, the single-sided PC-board and a minimal weight of less than 10 grams. The module is approved to North American and European standards such as FCC, PTCRB, R&TTE, UL, IC and GCF.



Wireless Modules Benefits and hard facts

Original size

General features:

- Quad-Band GSM
850/900/1800/1900 MHz
- EDGE (E-GPRS) Multislot class 10
- GPRS Multislot class 12
- GSM release 99
- Output power:
 - class 4 (2 W) for EGSM850
 - class 4 (2 W) for EGSM900
 - class 1 (1 W) for GSM1800
 - class 1 (1 W) for GSM1900
- AT commands Hayes GSM 07.05 and GSM 07.07
- AT commands for RIL compatibility (RIL/NDIS)
- TCP/IP stack access via AT commands
- SIM application toolkit (SAT Release 99)
- Supply voltage range 3.2 – 4.5 V
- Recommended supply voltage: 3.8 +/- 0.2 V
- Dimensions: 34 x 45 x 3.5 mm
- Weight: < 10 g
- Ambient temperature:
 - 30 °C ... +65 °C
- Auto switch-off at +75 °C

Drivers

- NDIS/RIL software for Microsoft® Windows® Mobile™ based devices

Specification for fax:

- Group 3, class 1

Specifications for data EDGE (E-GPRS):

- Multislot class 10
- Modulation and coding scheme MCS 1–9
- Mobile station class B

Specifications for data (GPRS):

- Multislot class 12
- Full PBCCH support
- Mobile station class B
- Coding scheme 1–4

Specifications for SMS:

- Via GSM or GPRS
- Point-to-point MO and MT
- Text and PDU mode
- SMS cell broadcast

Specifications for voice:

- Half rate (HR)
- Full rate (FR)
- Enhanced full rate (EFR)
- Adaptive multi rate (AMR)
- Basic handsfree operation:
 - Echo cancellation
 - Noise reduction

Approvals:

- R&TTE
- FCC
- UL
- IC
- GCF
- PTCRB
- Local approvals and network operator certifications

Interfaces:

- Molex 80-pin board-to-board connector
- Hirose U.FL 50 ohm antenna connector
- Antenna solder pad
- Audio: 2x analog, 1x digital
- 2 serial interfaces with the ITU-T V.24 protocol
- USB 2.0 full speed compatible
- SIM card interface
- I²C-Bus
- SD card interface

More about Wireless Modules at:
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Wireless Modules
Haidenauplatz 1
81667 Munich, Germany

Subject to changes in technology,
design and availability
Order No.:
A31001-W25-A305-X-7600
Printed in Germany