

GSM AUTOMATIC

MC55i Embedded Modem

MC55i Embedded Modem is a compact GSM modem for the transfer of data, SMSes and faxes in GSM networks. Industrial standard interfaces and an integrated SIM card reader allow to use MC55i Embedded Modem easily as a quad band GSM modem. The MC55i module is suitable for communication in GSM bands 850/900/1800/1900 MHz.

Benefits and features:

- Quad-band, GPRS 10
- Industrial interfaces
- Small PCB



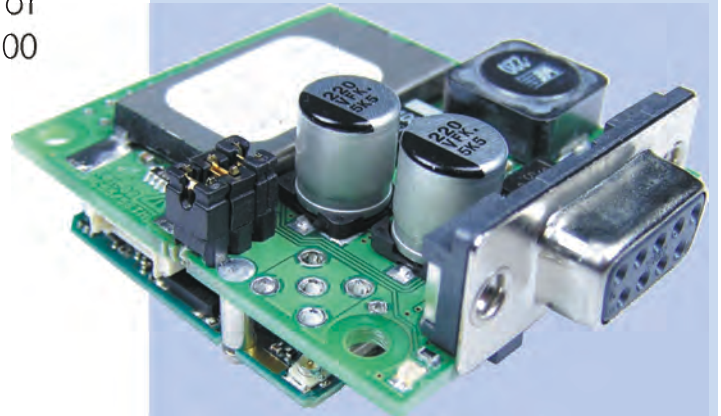
Remote control via mobile and MDA



Remote monitoring



TCP/IP connectivity



Quad
Band

GSM

GPRS
10

RS232
(DB9)

General features

Frequencies:	GSM 850/900/1800/1900 MHz	Power consumption:	Power down: 0.5 mA
GPRS:	multislot class 10	(at 12 V)	Sleep mode: 25 mA
Output power:	Class 4 (2 W) for EGSM 850		Speech mode (average): 100 mA
	Class 4 (2 W) for EGSM 900		GPRS class 12 (average): 200 mA
	Class 1 (1 W) for GSM 1800	Temperature range:	Normal Operation -20 °C to +70 °C
	Class 1 (1 W) for GSM 1900		Restricted Operation -40 °C to -25 °C
SIM Application Toolkit:	release 99		Switch off + 80 °C
TCP/IP stack:	access via AT commands		Storage -40 °C to +85 °C
Internet Services:	TCP, UDP, HTTP, FTP, SMTP, POP3	Dimensions, Weight:	54 x 42 x 17,5 mm, 31g
Supply voltage range:	8-28 V		

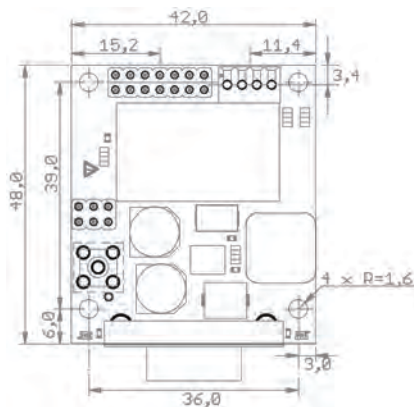
Transmission specification

Specification for GPRS:	GPRS class 10, Mobile station class B, PBCCH support, Coding schemes CS 1-4
Specification for CSD:	Up to 14.4 kbps, V.110, USSD support, Non-transparent mode
Specification for SMS:	Point-to-point MO and MT SMS cell broadcast, Text and PDU mode
Specification for fax:	Group 3, class 1
Specification for voice:	Triple-rate codec for HR, FR and EFR Adaptive multi-rate AMR Basic hands-free operation Echo cancellation

Interfaces

RF interface:	U.FL 50 Ohm antenna connector
Data interface:	9 pin MRT9 connector - 2x outputs/4x inputs - ground, - clamp power for outputs (12V)
Power interface:	4 pin connector power supply
SIM card interface:	SIM card interface 3 V, 1.8 V

Mechanical dimension



Part Numbering

GM-MC55IEM MC55i Embedded Modem