iRZ MC52iWDT

MC52iWDT is a dual-band (900/1800 MHz) GSM modem intended for data transmission via cellular communication networks with GPRS support (class 10) and TCP/IP protocol stack. External interfaces: RS232 serial port, TJ-4P4C connector for audio handset connecting, TJ6-6P6C power connector. The main functions include: data transmission by use of CSD and GPRS technologies, reception and transmission of voice signals, faxes and SMS-messages. In **MC52iWDT** model the function of unconditional reboot according to watchdog timer is implemented. The modem is controlled by standard AT-commands. **MC52iWDT** is designed to operate in automatic data collecting systems of heat and electricity supply meters, vending sale systems, in automatic payment machines, as well as in other systems with wireless data transmission.

DUAL-BAND	GSM	GPRS CLASS 10
TCP/IP CONNECTIVITY	INDUSTRIAL INTERFACES	WATCHDOG TIMER
FAX FUNCTIONALITY	SIM ACCESS PROFILE	EXTENDED TEMPERATURE RANGE

Frequency bands:

- 900/1800 MHz
- GPRS class 10
- TCP/IP stack

Features:

- Available network protocols: TCP, UDP, HTTP, FTP, SMTP, POP3
- Control by AT-commands (Hayes 3GPP TS 27.007, TS 27.005)
- Toolkit for SIM-applications
- Timer restart function is realized

Specification:

- GPRS class 10 – up to 85.6 kbps
- MS class B
- SMS: MT, MO, CB, Text and PDU modes
- CSD up to 14.4 kbps
- USSD
- Fax group 3: class 1

Voice communication:

- HR/FR/EFR/AMR speech coding
- Hands-free base operations
- Noise reduction function, echo suppression

Connectors and interfaces:

- Connector DB9 for data cable connection (interface RS232)
- Connector FME for GSM antenna connection
- Connector TJ4-4P4C for audio interface connection
- Connector TJ6-6P6C for power supply connection

Electrical characteristics:

Supply voltage range: 9 V ... 30 V
Supply current not more than:
- At 12 V supply voltage - 200 mA
- At 24 V supply voltage - 100 mA

Physical parameters:

- Plastic housing
- Dimension not more than: 69 x 75 x 26 mm
- Weight not more than: 100 g
- Operating temperature range: -40°C to +65°C