iRZ MC55i-485GI

MC55i-485GI is a quad-band (850/900/1800/1900 MHz) GSM modem intended for data transmission via cellular communication networks with GPRS support (class 10) and TCP/IP protocol stack. Among its main functions are data transmission by use of CSD and GPRS technologies, reception and transmission of voice signals, faxes and SMS-messages. Modem has RS485 communication interface. Connection to this interface is carried out through terminal connector which allows parallel connection of several external devices. TJ6-6P6C connector is used for the modem power supply. The lines provided in the terminal connector can be used to power the external device. **MC55i-485GI** 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.

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

Frequency bands:

- 850/900/1800/1900 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

Connectors and interfaces:

- TJ6-6P6C connector for power supply connection
- Plug-in terminal connector (isolated RS485 and power supply output)
- SMA connector for GSM antenna connection

Electrical characteristics:

Supply voltage range: 9 V ... 28 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: 75 x 82 x 28 mm
- Weight not more than: 130 g
- Operating temperature range: -40°C to +65°C