



iRZ TC65i-485G

TC65i-485GI is a quad-band (850/900/1800/1900 MHz) GSM modem intended for data transmission via cellular communication networks. It supports GPRS class 12 and TCP/IP protocol stack. Modem has communication interface RS485. 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. Programming mode and menu mode can be used for updating software file or change operating parameters. The modem is controlled by standard AT-commands. The main feature of **TC65i-485GI** is Java™ Virtual Machine support which makes it possible to execute java-applications developed for special tasks. **TC65i-485GI** can be used as the off-line unit and it essentially simplifies the system architecture. **TC65i-485GI** is intended for use in telemechanic and telemetering systems, security and alarm systems, as well as in other systems in which wireless data transmission is required.

	QUAD-BAND		GSM		GPRS CLASS 12
	JAVA IMP-NG		TCP/IP CONNECTIVITY		INDUSTRIAL INTERFACES
	WATCHDOG TIMER		FAX FUNCTIONALITY		SIM ACCESS PROFILE
	EXTENDED TEMPERATURE RANGE				



Hardware:

- Processor ARM7
- Memory: 400 Kb (RAM), 1.7 Mb (Flash)

Frequency bands:

- 850/900/1800/1900 MHz
- GPRS class 12
- TCP/IP stack

Features:

- Available network protocols: TCP, UDP, HTTP, FTP, SMTP, POP3
- Support Java Platform (IMP 2.0)
- The protected transmission of the data with the support of HTTPS and PKI
- Remote application update (OTAP)
- Power-saving mode
- Timer restart function is realized

Specification:

- GPRS class 12 – 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

Java™ parameters:

- CLDC 1.1 HI
- J2ME™ with support IMP 2.0

Connectors and interfaces:

- Connector DB9 for data cable connection (interface RS232)
- Plug-in Terminal connector (shared with I2C, 2 ADC, 4 GPI, 4 GPO)
- TJ4-6P4C (audio interface)
- TJ4-6P4C (RS485 / RS232 / LVTTTL UART)
- Connector SMA for GSM antenna connection

Electrical characteristics:

Supply voltage range: 9 V ... 30 V

Supply current not more than:

- At supply voltage 12 V - 400 mA
- At supply voltage 24 V - 200 mA

Physical parameters:

- Aluminum housing
- Dimension not more than: 76 x 110 x 30 mm
- Weight not more than: 190 g
- Operating temperature range: -30°C to +65°C

