



## iRZ TC65 Lite

**TC65 Lite** is a quad-band (850/900/1800/1900 MHz) GSM-modem, designed for reception and transmission data by cellular network. Supports GPRS class 12 and TCP/IP stack. The modem has standard interfaces: serial port (RS232), USB type B (USB 2.0) as well as TJ6-6P6C plug for supply. Modem can be controlled by standard AT-commands. There are two service modes: programming mode to upgrade firmware, and menu mode to change settings of the modem. The most important feature of **TC65 Lite** is Java™ Virtual Machine, so the modem can provide executing software applications, designed for special purposes. It makes **TC65 Lite** an autonomous device and general architecture of system becomes simpler. **TC65 Lite** is intended for use in systems of telemetry and telemechanics, automatic data collection, and other systems that require wireless data transmission.



QUAD-BAND



JAVA IMP-NG



FAX  
FUNCTIONALITY



WATCHDOG  
TIMER



GPRS CLASS 12



USB



TCP/IP  
CONNECTIVITY



GSM



EXTENDED  
TEMPERATURE RANGE



SIM ACCESS  
PROFILE



INDUSTRIAL  
INTERFACES





<p><b>Frequency ranges:</b> 850/900/1800/1900 MHz; GPRS class 12; TCP/IP stack;</p>	<p><b>Hardware:</b> Processor ARM7; <b>Memory:</b> 400 Kb (RAM), 1.7 Mb (Flash); Power-saving mode;</p>
<p><b>Available network protocols:</b> TCP, UDP, HTTP, FTP, SMTP, POP3; Support Java Platform (IMP 2.0);</p>	<p><b>Java™ parameters:</b> CLDC 1.1 HI; J2ME™ with support IMP 2.0; The protected transmission of the data with the support of HTTPS and PKI; Remote application update (OTAP);</p>
<p>Timer restart function is realized; <b>Supply voltage range:</b> 9 V ... 28 V; <b>Supply current, not more than:</b></p> <ul style="list-style-type: none"> <li>• At supply voltage 12 V - 400 mA;</li> <li>• At supply voltage 24 V - 200 mA;</li> </ul>	<p><b>Interfaces:</b></p> <ul style="list-style-type: none"> <li>• Connector DB9 for data cable connection (interface RS232);</li> <li>• Connector USB-B for interface USB 2.0;</li> <li>• Connector FME for GSM antenna connection;</li> <li>• Connector TJ6-6P6C for power supply connection;</li> </ul>
<p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• GPRS class 12 – up to 85.6 kbps;</li> <li>• MS class B;</li> <li>• SMS: MT, MO, CB, Text and PDU modes;</li> <li>• CSD up to 14.4 kbps;</li> <li>• USSD;</li> <li>• <b>Fax group 3:</b> class 1;</li> </ul>	<p>Plastic housing; <b>Dimension, not more than:</b> 68 x 74 x 33 mm; <b>Weight not more than:</b> 100 g; <b>Operating temperature range:</b> -30°C ... +60°C;</p>



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