

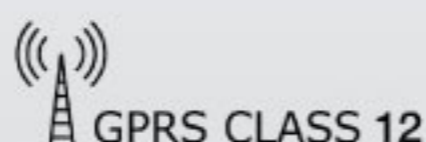


iRZ ES90PU

ES90PU is a five-band (850/900/1800/1900/2100 MHz) GSM-modem, designed for reception and transmission data by cellular network. Supports 2G-3G: UMTS/HSUPA/HSDPA/EDGE/GPRS. The modem has standard interfaces: serial port (RS232) and USB type B (USB 2.0) as well as Tj6-6P6C plug for supply. Among key features are data transmission by 3G technology, as well as support for fax and SMS messages. **ES90PU** is equipped with the watchdog timer with flexible restart modes. Modem can be controlled by standard AT-commands. Distinctive feature of this modem is capability of power supply through USB-connection. There are two service modes: programming mode to upgrade firmware, and menu mode to change settings of the modem. The modem has two LEDs to indicate operation mode or emergency situation. **ES90PU** is intended for Internet access, as well use in systems of telemetry and telemechanics, payment terminals, vending machines, and other systems that require wireless data transmission using 3G technology.



3G



GPRS CLASS 12



EDGE CLASS 12



USB



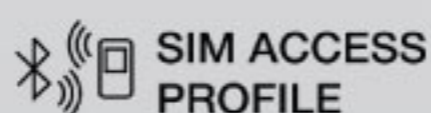
FIVE-BAND



WATCHDOG TIMER



POWER-USB



SIM ACCESS PROFILE



INDUSTRIAL INTERFACES



EXTENDED TEMPERATURE RANGE



<p>Frequency ranges:</p> <ul style="list-style-type: none"> • HSUPA/HSDPA/UMTS 2100/1900/850 MHz; • GSM/GPRS/EDGE 850/900/1800/1900 MHz; 	<p>Supply available from the USB; Supply voltage range: 9 V ... 28 V; Supply current, not more than:</p> <ul style="list-style-type: none"> • At supply voltage 12 V - 200 mA; • At supply voltage 24 V - 100 mA;
<p>Intellectual watchdog timer; Several options for restarting; Hibernation mode; Track and display freezes and emergencies; USB Extension Cable; Multipatform support:</p> <ul style="list-style-type: none"> • Windows 2000 / XP / VISTA / LINUX; 	<p>Interfaces:</p> <ul style="list-style-type: none"> • Connector DB9 for connection of the data cable (interface RS-232); • Connector SMA for GSM antenna connection; • Connector USB-B for connection of the cable USB 2.0; • Connector TJ6-6P6C for supply connection; • Indicator LED; <p>Aluminum housing; Dimension, not more than: 76 x 53 x 30 mm; Weight not more than: 100 g; Operating temperature range: -20°C ... +65°C;</p>
<p>Specification:</p> <ul style="list-style-type: none"> • HSUPA data – up to 5.76 mbps; • HSDPA data – up to 7.2 mbps; • UMTS PS - up to 384 kbps; • EDGE class 12 - up to 236.8 kbps; • 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; 	



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