



iRZ RL42
















The iRZ RL42 router is designed to provide high-speed Internet access (download up to 100 Mbps, upload up to 50 Mbps) and data transmission over cellular network and wired channel. The device supports the following communication standards: LTE/HSPA+/UMTS/EDGE/GPRS.

RL42 is fitted with common industrial interfaces RS232, RS485 and USB Host, as well as 3 GPIOs with flexible configuration options. The router comes with one WAN port for the Internet connection and four LAN ports for the connection of local devices with one of the ports supporting PoE+ (up to 25W) to power external devices. Support for two SIM cards enables backup connection and operation on schedule.

The RL42 core is the ARM high-performance processor. The Linux operating system offers high performance and smooth operation of the router. The open platform enables software integration and extends the RL42 functionality.

The router supports the following network services: DNS, DynDNS, SSH Server, SNMP, DHCP Server, Firewall, NAT, NTP Client, VLAN, QoS, dynamic routing. Support for the GRE, IPSec and OpenVPN tunnels ensures secure communications. The router provides Internet connection redundancy - if the wired Internet connection is lost, RL42 switches to data transmission over wireless network. Extended temperature range (-30...+70°C) enables deployments of the router in a variety of environments.

High data rate, open software platform and extended temperature range allow customers to deploy the RL42 router for the connection of computers and networks, payment terminals and POS, vending and cash machines, industrial equipment, remote monitoring and management systems, as well as security and video surveillance systems to the Internet.

 SIX-BAND	 LTE	 3G
 HSPA+	 EDGE CLASS 12	 GPRS CLASS 12
 DUAL-SIM	 WAN	 GIGABIT ETHERNET (LAN/WAN)
 4 LAN	 PoE+	 VPN
 INDUSTRIAL INTERFACES	 WATCHDOG TIMER	 EXTENDED TEMPERATURE RANGE



Additional Functions:

- Port forwarding for access to the local area network resources
- DynDNS client for updating information about a domain name when using dynamic IP-address
- GRE, IPsec and OpenVPN tunnels
- Dynamic routing
- Remote access to an external device via COM-port by TCP/IP
- Internal clock synchronization with the exact time servers
- SMS-notification about the router turning on, installation or loss of GPRS connection
- Sending SMS via Telnet and Web-interface
- Standby SIM-card
- Operations, administration and management (OAM) via Web-interface
- DHCP Server
- Firewall (iptables)

Hardware Characteristics:

- Processor ARM9E v5TE
- DRAM 128 MB
- Flash memory 128 MB
- Ethernet 10/100/1000 Mbit

Communication Standards:

- GPRS/EDGE: 850/900/1800/1900 MHz
- UMTS/HSPA+ (3G): 850/900/1900/2100 MHz
- LTE FDD (4G): 800(B20)/850(B5)/900(B8)/1800(B3)/2100(B1)/2600(B7) MHz
- LTE TDD (4G): 2600 (B38) MHz

* — optional

Connectors and Interfaces:

- WAN (Ethernet 10/100/1000 Mbps)
- 4 LAN (1 PoE+) (Ethernet 10/100/1000 Mbps)
- Terminal connector:
- Data collection or equipment management by means of additional software via the interface RS485/232
- 3 GPIO with the customizable configuration
- Connection of two devices with the interfaces RS232/485 via the Internet
- USB Host providing external device connection

Electrical Characteristics:

- Power voltage from 9 to 32 V
- Current consumption:
 - At the power voltage 12 V – 1000 mA
 - At the power voltage 24 V – 500 mA

Physical Characteristics:

- Plastic case
- Dimensions, max: 165 x 110 x 35 mm
- Weight, max: 350 g
- Temperature range: from -30°C to +70°C

