



iRZ RL21w














The Multifunction router iRZ RL21w is designed for data transfer in cellular networks. Support of LTE/UMTS/HSPA+/EDGE/GPRS provides highspeed access to Internet (download up to 100 Mb/s, upload up to 50 Mb/s). The main feature of the RL21w is Wi-Fi hotspot (IEEE 802.11b/g/n standart base), that provides wireless internet connection for other devices.

RL21w has external RS232, RS485 and 7 GPIO interfaces, that can work with custom settings. Also on board it has 4 Ethernet ports for local connections. The use of two SIM-cards makes possible to recive the connection and schedule work.

The Core of RL21w is high-performance processor MIPS. Operating system Linux provides high efficiency and router continuity. Open platform allows to insert software and thus to extend the functionality of RL21w.

Router supports following network functions: DNS, DynDNS, SSH Server, TFTP Client, Wget, SNMP, DHCP Server, VRRP, Firewall, NAT, NTP Client, VLAN. Support of GRE, IPsec and OpenVPN tunnels provides security of transmitted data. There is an option to reserve the Internet connection - when the cable is lost, RL21w transfers the data wirelessly. The wide range of working temperatiures (-40...+65°C) allow the use of the router in different climatic conditions.

The high-speed, open programm platform and wide range of working temperatures allow the usage of RL21w to connect PC and networks, payment and POS-terminals, vending machines and ATMs, industrial equipment, remote system of monitoring and management, security systems and video surveillance systems.

 QUAD-BAND GSM	 UMTS	 HSPA+
 LTE FDD/TDD	 DUAL-SIM	 IEEE 802.11b/g/n
 4 LAN	 2 x SMA GSM	 2 x SMA Wi-Fi
 VPN	 WATCHDOG TIMER	 INDUSTRIAL INTERFACES
 EXTENDED TEMPERATURE RANGE		



Hardware Characteristics:

- CPU MIPS 24KEc 580 Mhz
- DRAM 64 MB
- Flash memory 16 MB

Communication Standards:

- GPRS
- EDGE
- UMTS (3G)
- HSPA+ (3G)
- LTE FDD/TDD (4G)
- IEEE 802.11b/g/n (Wi-Fi)

Additional Functions:

- Port forwarding to access local network resources
- DynDNS client for update domain name while using dynamic IP-adress
- GRE, IPsec и OpenVPN tunnels
- Dynamic routing
- Remote access to an external device throught COM-port by TCP/IP
- Clock synchronization with external sources
- Notification about turning on, installing or loss GPRS-connectoin via SMS
- SMS sending via Telnet and Web-interface
- Backup SIM-card
- Maintenance, management and monitoring throught Web-interface
- DHCP Server
- Firewall (iptables)

Connectors and Interfaces:

- 4x 8P8C — Ethernet 10/100 Mb/s
- Microfit4 — power connector
- External COM-port, that can be used for data reserving or for the equipment control by optional software throught RS232 and CAN interfaces(requires interface converter)
- Terminal connector:
 - Data reserving or the equipment control by optional software throught RS232 interface
 - 7 GPIO with custom configuration
- 2 x SMA-connector GSM-antenna
- 2 x SMA-connector Wi-Fi-antenna
- 2 x SIM-card slot
- MicroSD holder
- Reset button

Electrical Characteristics:

- Supply voltage: 8V to 30V
- Power consumption at 12V — 1000 mA
- Power consumption at 24V — 500 mA

Physical Characteristics:

- Plastic casing
- Dimensions, max.: 121x118x40 mm
- Weight max.: 300g
- Operating temperature: -40°C to +65°C

