



iRZ RL12w















The compact Wi-Fi router iRZ **RL12w** is designed for data transmission via cellular network. The support of LTE/HSPA+/UMTS/EDGE/GPRS provides high-speed access to the Internet (download/upload up to 50 Mbps).

The **RL12w** key feature is a built-in battery supporting the device self-powered work after the main power supply disconnection. Moreover the distinctive feature of the router is the availability of two interfaces. This modem has a special OLED-display for various technical information.

The **RL12w** core is the high-performance processor MIPS. Linux operating system provides the router high performance and service continuity. The open platform provides building-in of software and thereby increasing the **RL12w** functional capabilities.

The router supports the following network functions: OpenVPN, DNS, PPTP, DHCP, Server, Firewall, NAT, NTP Client, NTP Server. There is a possibility of the Internet-connection redundancy. In case of wired connection break **RL12w** transmits data over wireless channel. Extended temperature range (-20°C to +65°C) provides the use the router in various climatic conditions.

RL12w is designed for wired and wireless connection of various equipment to the Internet: trade terminals and cash machines, industrial equipment sites, mobile offices, security and video surveillance systems, monitoring and management systems, as well as other systems requiring flexible connection to the Internet.

	SIX-BAND		4G		LTE
	HSPA+		EDGE CLASS 12		GPRS CLASS 12
	Wi-Fi		WAN		LAN
	BACKUP BATTERY		DISPLAY		INDUSTRIAL INTERFACES
	WATCHDOG TIMER		EXTENDED TEMPERATURE RANGE		



Hardware components:

- MIPS Processor, 24KEc 360 Mhz
- DRAM 32 MB
- Flash-memory 8 MB
- Ethernet 10/100 Mbit

Communication standards:

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

Additional functions:

- Port forwarding to access resources in the local area network
- DynDNS client for updating information about a domain name when using dynamic IP-address
- Synchronization of the internal clock with external sources
- Operations, administration and management (OAM) via Web-interface
- DHCP Server
- Firewall (iptables)
- OpenVPN
- PPTP
- Autoswitching WAN to 3G/4G
- Backup battery
- OLED display

Connectors and interfaces:

- WAN (Ethernet 10/100 Mbps)
- LAN (Ethernet 10/100 Mbps)
- Microfit4 power connector

Power supply:

- Power voltage from 8 to 30 V
- Current consumption:
 - At the power voltage 12 V - 500 mA
 - At the power voltage 24 V - 250 mA

Physical specifications:

- Plastic body
- Dimensions – 91x86x35 mm max
- Weight – 150 g max
- Temperature range: from -20°C to +65°C

