



iRZ RU41w















iRZ **RU41w** is a multifunctional router designed to transmit data via mobile networks. UMTS/HSPA+/EDGE/GPRS support enables high-speed Internet access with up to 21.1 Mbit/s reception rate and up to 5.7 Mbit/s transmission rate.

The key feature of **RU41w** is a IEEE 802.11b/g/n Wi-Fi access point enabling wireless Internet connection for other devices. RU41w features external interfaces such as RS232, RS485 and USB Host, and 3 x GPIOs that may be flexibly configured. The router has a WAN port for Internet connection and four LAN ports for connecting local devices. Dual SIM cards provide for communication redundancy and scheduled operation.

The **RU41w** core is a high-performance ARM processor. Linux operating system provides high performance and uninterrupted operation of the router. The open platform allows software to be embedded and thus **RU41w** functionalities to be expanded.

The router supports the following network functionalities: DNS, DynDNS, SSH Server, TFTP Client, Wget, SNMP, DHCP Server, VRRP, Firewall, NAT, NTP Client, VLAN, QoS, dynamic routing. The GRE, PPTP, EoIP, IPSec, OpenVPN, DMVPN/NHRP, L2TPv2/v3 tunnels (including GOST encryption) are supported for security of the transmitted data. Internet connection redundancy is provided: if the wired Internet connection is broken, **RU41w** transmits data through the wireless channel.

A wide range of operating temperatures (-30 to +70°C) allows the router to be used in different climatic conditions. High data transmission rate, open software platform and a wide range of operating temperatures allow the **RU41w** router to be used for Internet connection of computers and networks, payment terminals and POS terminals, vending machines and ATMs, industrial equipment, remote monitoring and control systems, as well as security and CCTV systems.

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



Optional functionalities:

- Port forwarding for access to local area network resources
- DynDNS client for updating domain name information when a dynamic IP address is used
- GRE, PPTP, EoIP, IPSec, OpenVPN, DMVPN/NHRP, L2TPv2/v3 tunnels
- Dynamic routing
- Remote TCP/IP access to an external device via COM port
- Synchronization of internal clocks with exact time servers
- SMS notification of router activation and establishment/loss of GPRS connection
- Sending SMS via Telnet and Web-interface
- Backup SIM card
- Operations, administration and maintenance (OAM) via Web-interface
- DHCP Server
- Firewall (iptables)

Hardware Specifications:

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

Communication Standards:

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

Connectors and Interfaces:

- WAN (Ethernet 10/100/1000 Mbit/s)
- 4x LAN (Ethernet 10/100/1000 Mbit/s)
- External COM port that may be used for data collection of equipment control by means of additional software via RS232 and CAN interfaces (interface converter will be required)
- Terminal block:
 - Data collection or equipment control by means of additional software via RS485 interface
 - 3 configurable GPIOs
 - Connection of two devices with RS232/485 interfaces via Internet
- USB Host allowing external devices to be connected

Power Supply:

- Supply voltage: 9 to 32 V
- Current consumption:
 - 1000 mA at 12 V
 - 500 mA at 24 V

Physical Specifications:

- Plastic case
- Max. overall dimensions: 165 x 110 x 35 mm
- Max. weight: 350 g
- Operating temperature range: -30°C to +70°C

