iRZ RC41

iRZ **RC41** router is designed to provide Internet access (max. reception rate 3.1 Mbps, max. transmission rate 1.8 Mbps) and data exchange via mobile networks and/or wired channel.

Communication standards supported: 1 x EV-DO. High quality of communication is achieved through CDMA technology.

RC41 features common industrial interfaces such as RS232, RS485 and USB Host, as well as 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 R-UIM cards provide for communication redundancy and scheduled operation.

The **RC41** core is a high-performance ARM processor.

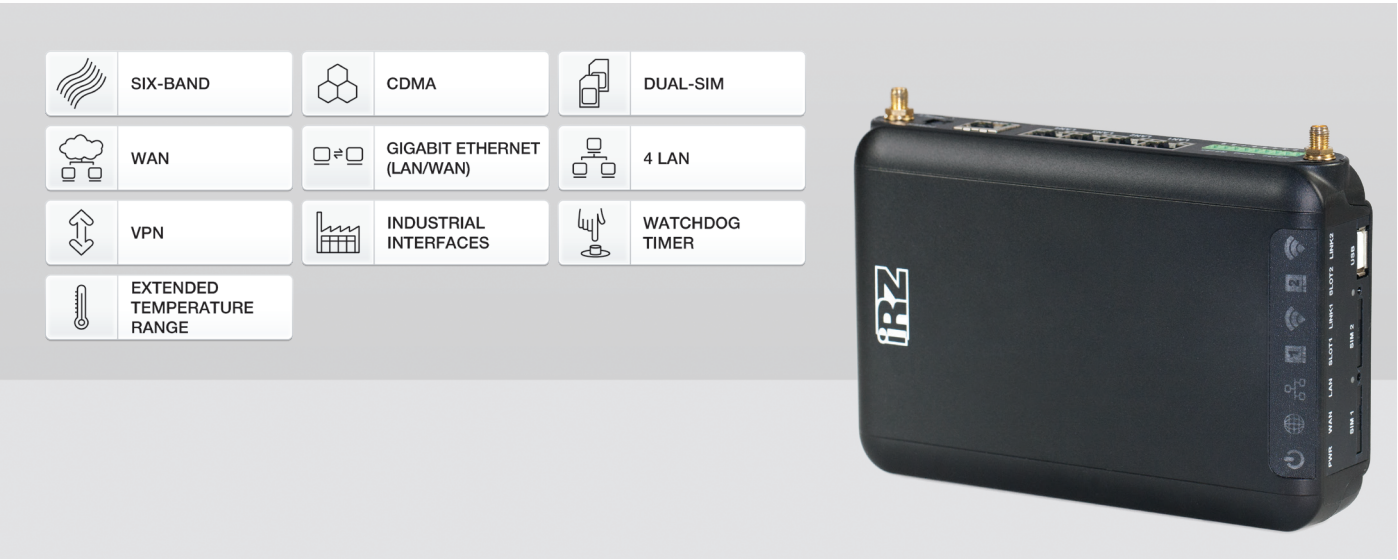
Linux operating system provides high performance and uninterrupted operation of the router.

The open platform allows software to be embedded and thus **RC41** functionalities to be expanded.

The router supports the following network functionalities: DNS, DynDNS, SSH Server, SNMP, DHCP Server, Firewall, NAT, NTP Client, VLAN, QoS, dynamic routing.

The GRE, PPTP, EoIP, IPSec, OpenVPN, DMVPN/NHRP, L2TPv2/v3 tunnels are supported for security of the transmitted data. Internet connection redundancy is provided: if the wired Internet connection is broken, **RC41** 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 **RC41** 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.



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 Internet connection establishment or loss
• Sending SMS via Telnet and Web-interface
• Backup R-UIM 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:

• 1 x EV-DO (3G)

Connectors and Interfaces:

• WAN (Ethernet 10/100/1000 Mbit/s)
• 4 x LAN (Ethernet 10/100/1000 Mbit/s)
• Terminal block:
- Data collection or equipment control by means of additional software via RS232/485 interface
- 3 configurable GPIOs
- Connection of two devices with RS232/485 interfaces via Internet
• USB Host allowing external devices to be connected
• 2 x R-UIM cards
• Power connector: MicroFit 4

Electrical Specifications:

• Supply voltage: 9 to 32 V
• Current consumption:
- Max. 1 A at supply voltage of 12 V
- Max. 0.5 A at supply voltage of 24 V

Physical Specifications:

• Plastic case
• Max. overall dimensions: 165 x 110 x 35 mm
• Max. weight: 350 g