















iRZ RUH2b

iRZ RUH2b is a multifunctional router designed to operate as part of a 3.5G network (UMTS, HSUPA, HSDPA, EDGE, GPRS). It provides high-speed Internet connection (up to 7.2 Mbps download, 5.76 Mbps upload). One of the most important features of the **iRZ RUH2b** router is its ability to switch between two SIM-cards. The option of using two SIM-cards enables communication redundancy and helps the user keep on schedule. The device core part is an ARM processor that ensures high efficiency and low energy consumption at the same time. The router is based on a Linux operating system providing high efficiency and continuous operation. The program platform is open and enables the incorporation of the user software, which makes this product useful in multiple applications. In addition, there is the option of flash-drive expansion up to 2GB.

iRZ RUH2b supports operation of tunnels and VPN-technology: GRE, OpenVPN, IPsec. The router features the following functions: DNS, DynDNS, SSH Server, TFTP Client, Wget, SNMP, DHCP Server, VRRP, Firewall, NAT, NTP, Watchdog timer. The router has the following standard interfaces: Ethernet (8P8C), two COM ports (RS232 and RS485), USB-A and TJ6-6P6C power socket.

iRZ RUH2b is used for wireless connection of the control center with point-of-sale terminals and ATM machines, the head office with remote branches, industrial equipment nodes, security and surveillance systems, monitoring and management systems and other systems requiring high-speed Internet connection.

	FIVE-BAND		3G		HSDPA
	HSUPA		EDGE CLASS 12		GPRS CLASS 12
	DUAL-SIM		VPN		ETHERNET
	INDUSTRIAL INTERFACES		WATCHDOG TIMER		EXTENDED TEMPERATURE RANGE



Hardware:

- Processor ARM920T;
- Dynamic RAM 64 MB;
- Flash memory 8 MB + up 2GB microSD;
- Ethernet 10/100Mbit

Connection standards:

- GPRS;
- EDGE;
- UMTS (3G);
- HSDPA (3G);
- HSUPA (3G)

Additional features:

- NAT setup for accessing the internal network sources from outside;
- DynDNS Client for updating information about domain name using dynamic IP-address;
- GRE, IPsec and OpenVPN tunnels;
- Access to the external COM port;
- Synchronization of the internal clock with external source;
- SMS notifications regarding switching on, GPRS connection or connection failure;
- SMS sending through Telnet and web-interface;
- 2 SIM cards;
- Configuration from web-interface or automatically from USB-flash;
- DHCP Server;
- Firewall

Interfaces:

- External COM-port that can be used for data collection or equipment control by means of additional software through RS232 and CAN interfaces (interface converter is required);
- Data collection or equipment control by means of additional software through RS485 interfaces;
- Connection of two devices with RS232/RS485 interfaces using the Internet;
- Ethernet 10/100 Mb;
- USB Host that enables to connect external devices such as flash-drives. This allows the user to organize a centralized files storage;
- MicroSD connection slot for expansion of the embedded flash-drive upon request

Power supply:

- Supply voltage range: 8 ... 30 V;
- Supply current:
- At 12 V supply voltage – 800 mA;
- At 24 V supply voltage – 400 mA

Physical characteristics:

- Plastic housing;
- Dimensions 76 x 160 x 30 mm;
- Weight 250 g;
- Operation temperature range: -30°C ... +70°C

