iRZ RCA

iRZ RCA is a multifunctional router designed for network CDMA450 providing high-speed Internet connection (up to 2.4Mbps). Among the key features of the router **iRZ RCA** is possibility to switch between two R-UIM-cards. The use of two R-UIM-cards provides reservation of the connection as well as the ability to work according to the schedule. The core unit is a processor ARM, which provides high efficiency at low power consumption. The router is based on the OS Linux, which provides high productivity and continuity of operation.

The software platform is open and allows you to build up custom software that provides the flexibility of its use for different tasks.

iRZ RCA supports tunnels and technology VPN: GRE, OpenVPN, IPsec. In addition, the router is equipped with following features: DNS, DynDNS, SSH Server, TFTP Client, Wget, SNTP, DHCP Server, VRRP, Firewall, NAT, NTP Client, watchdog timer. The router has standard interfaces: Ethernet (8P8C), Serial port (RS232), USB-A, as well as the supply connector TJ6-6P6C.

iRZ RCA is used for wireless link of payment terminals and automated teller machines with the head office control center, with remote branch offices, elements of industrial equipment systems, security and surveillance systems, as well as for monitoring and management.

DUAL R-UIM

CDMA

VPN

WATCHDOG TIMER

ETHERNET

INDUSTRIAL INTERFACES

EXTENDED TEMPERATURE RANGE

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Hardware:
- Processor ARM920T;
- Dynamic RAM 64 MB;
- Flash memory 8 MB;
- Ethernet 10/100Mbit;

Power supply:
- **Supply voltage range:** 8 … 30 V;
- **Supply current:**
  - At supply voltage +12 V – 800 mA;
  - At supply voltage +24 V – 400 mA;

Additional features:
- NAT function for the access to the internal resources of the network from outside;
- DynDNS client for domain name information refreshment when using the dynamic IP address;
- GRE, IPsec and OpenVPN tunnels;
- Access to the external COM port through Telnet;
- Synchronization of the internal clock with external source;
- 2 R-UIM;
- Configuration from web-interface;
- DHCP Server;
- Firewall;

Interfaces:
- External COM port, which can be used for:
  - Data collection or for equipment control by using additional software through interfaces RS-232, RS-422*, RS-485*, CAN* and others (*external interface converter is required);
  - Connection of two distant devices with COM interfaces through the Internet;
- Ethernet 10/100 Mbit;
- USB Host, which allows connection of external devices, such as Flash discs. This option provides the user with the ability of centralized file storage;

Specification:
- CDMA;
- 1xRTT;
- 1xEVDO;

Physical:
- Aluminum housing;
- Dimension 76 x 160 x 30 mm;
- Weight 250 g;
- **Operation temperature range:** -30°C … +70°C;

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