



**Teltonika RUT976 Redcap 5G |
5G Router | Wi-Fi 4, Dual SIM,
4x FE LAN, RS232, RS485**



link to the product:
<https://www.batna24.com/gb/p/lte-5g/teltonika-rut976-redcap-5g-5g-router-wi-fi-4-dual-sim-4x-fe-lan-rs232-rs485>

Price: **1,459.00 zł** gross / 1,186.18 zł net



Manufacturer: TELTONIKA
Referention number: DNXGHJHOKRMMJQ

Product features

Height	50 mm
LED indicators	Yes
USB charging port	Yes
GLONASS	Yes
Firewall	Yes
Width	100 mm
Depth	100 mm
4G standard	LTE
Security algorithms	WPA2-Enterprise
RAM type	DDR2
Device type	Cellular network router
Humidity measurement range	10 - 90%
USB 2.0 ports quantity	1
Ethernet LAN interface type	Gigabit Ethernet
RAM capacity	0.128 GB
Ethernet LAN (RJ-45) ports	4
Full duplex	Yes
Auto MDI/MDI-X	Yes
Operating temperature (T-T)	-40 - 75 °C
Supported network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL v3, TLS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SNMP, MQTT, Wake on Lan (WOL), VXLAN

Mounting	DIN-rail/Wall mounting
Reset button	Yes
Card reader integrated	Yes
Maximum memory card size	2000 GB
Compatible memory cards	MicroSD (TransFlash)
5G standard	Sub6 SA
Operating system installed	RutOS
Internal memory	0.032 GB
Wi-Fi standards	802.11b
Wi-Fi	Yes
Ethernet LAN	Yes
Data network	4G
Number of SIM cards	2
Processor manufacturer	MediaTek
Power source type	DC
Built-in processor	Yes
Antennas quantity	5
Market positioning	Industrial
Product colour	Black
Quasi-Zenith Satellite System (QZSS)	Yes
Port forwarding	Yes
Galileo	Yes
BeiDou	Yes
Antenna connector type	SMA/RP-SMA
Position location	Yes
DHCP server	Yes
Product weight	295 g

Full product description

Next-Generation Industrial Connectivity: Stability and Performance at Your Fingertips

Looking for a way to have a stable and fast connection in demanding industrial environments, but without investing in the most expensive 5G solutions? Imagine a device that combines the low latency advantages known from 5G with the affordability and flexibility your business needs. Add to that reliability with dual SIM cards, a multitude of interfaces to integrate with existing infrastructure and you have a recipe for communications success.

Introduction to Flexible Industrial Connectivity

Teltonika RUT976 is an industrial cellular router designed for professional applications. It uses 5G RedCap technology, positioning itself between traditional 4G solutions and full-fledged 5G. As a result, it offers a balanced approach that enables you to take advantage of key fifth-generation network advantages, such as responsiveness, while keeping deployment costs under control. With a compact and ruggedized chassis, the device excels in the harsh conditions typical of industrial environments, offering stable connectivity where it is needed most.

Benefits of RedCap's 5G Technology

What exactly does 5G RedCap (Reduced Capability), also known as NR-Light, mean? It's a standard created to bridge the technology and cost gap. The RUT976, by supporting this technology (in SA - Standalone architecture), offers the low latency inherent in 5G networks, which is crucial for applications that require fast response, such as industrial automation and remote control. At the same time, by reducing complexity compared to full 5G, the technology becomes more affordable and better suited to many IoT (Internet of Things) applications, where not only speed but also cost efficiency matters. The RUT976 enables wireless support for up to 100 end devices.

Reliability of Connection in Any Condition

Continuity of operation is fundamental in professional applications. The Teltonika RUT976 takes care of it in several ways. First, it features two SIM card slots (Dual SIM) with automatic failover. If one carrier fails or loses coverage, the router will automatically switch to the other card, minimizing the risk of downtime. In addition, the WAN failover feature allows you to set up a backup Internet source (such as a cable connection) to which the device will switch in case of problems with the mobile network. Importantly, if 5G coverage is limited, the RUT976 is

backward-compatible with proven 4G LTE Category 4 technology, expanding its use in a variety of locations.

Comprehensive Interfaces and Functions

The RUT976 router is a real communication center thanks to its rich set of ports and interfaces. It features:

- 4 Fast Ethernet ports (10/100 Mbps), which can be configured flexibly, including using VLAN functionality for network segmentation.
- Serial interfaces: RS232 and RS485, essential for communication with older industrial machines, PLCs or sensors.
- Configurable I/O (input/output) connector block for monitoring events (e.g., cabinet door opening) or remote control of simple devices.
- WiFi module acting as a wireless access point (Access Point) with hotspot function.
- Built-in GNSS receiver (GPS, GLONASS, BeiDou, Galileo, QZSS) providing precise location data and enabling time synchronization (NTRIP support).

Advanced Management and Industrial Protocols

At the heart of the router is the RutOS operating system (based on OpenWrt), which offers extensive configuration options and customization of the device to meet specific needs. The RUT976 supports popular industrial protocols such as MQTT, BACnet and OPC UA, which facilitates integration within existing SCADA systems or IoT platforms. The device is fully compatible with Teltonika's Remote Management System (RMS). The RMS platform enables remote monitoring of device fleets, mass configuration, software updates and diagnostics, significantly simplifying the management of distributed network infrastructure and increasing security.