RUTX09™

new ## Next generation
LTE CAT6 Industrial Cellular Router

This powerful LTE router is designed as Main/Backup Internet source where steady connection and high data throughput is required.

Equipped with Dual-SIM and 4 x Gigabit Ethernet ports.
RUTX09 has all advanced RutOS software and security features.

RUTX09 Prime Applications

» Internet Failover / 4G backup
» Satellite offices / branches
» Layer 2 Internet

RUTX09 Features

» LTE Cat 6 with speeds up to 300Mbps

» 4 x Gigabit Ethernet ports with speeds up to 1000Mbps

» High processing power, Quad Core ARM Cortex A7 717 MHz CPU

» Dual SIM for network resilience in high availability applications

» Teltonika Remote Management System compatible

» Connection watchdog

» 3 alternative internet sources

» Durable aluminium housing

» Wide voltage range (9-50 V)

» External temperature range (-40 +75 °C)

» Multiple VPN options (IPSec, DMVPN, OpenVPN)

» Advanced firewall functionality

Frequency Band support	
4G (LTE-FDD)	B1, B3, B5, B7, B8, B20, B28, B321
4G (LTE-TDD)	B38, B40, B41
3G	B1, B3, B5, B8
2G	Not supported

RUTX09 Dual SIM CAT6 4G/LTE router

The RUTX09 is a next generation 4G/LTE router supporting speeds up to 300Mbps download and 50Mbps upload (LTE-A CAT6). The router also supports failback to DC-HSPA+ technology with up to 42Mbps download and 5.76Mbps upload.

A Quad-core ARM Cortex A7 processor clocked at 717 MHz with 256MB RAM and 256MB flash provide excellent performance and provides ample space for customers to develop their own bespoke IoT applications to run on the router, allowing edge processing of data before transmission to Cloud-based IoT platforms.

The integrated 4-port 10/100/1000 Gigabit Ethernet Switch allows allows wire-speed failover with Gigabit leased-line primary Internet connections.

Larger external 4G antennas can be installed on to the SMA female connectors if required. Please see our related products below for additional antenna options.
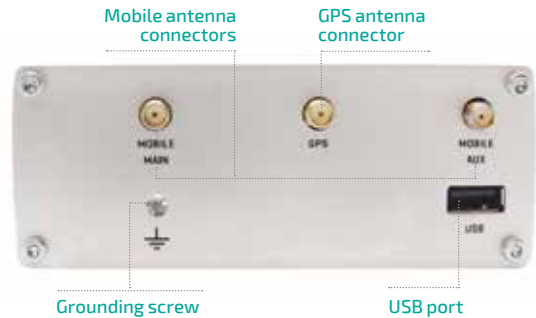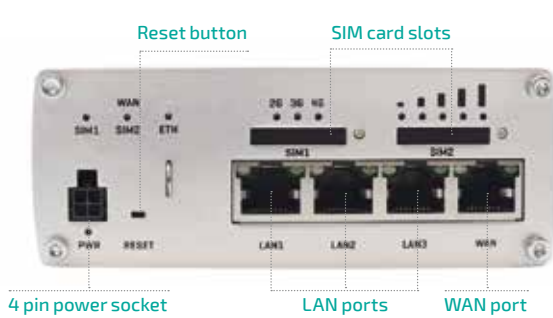
Link Resilience with Ping Reboot
The ability for a 4G/LTE router to maintain its' Internet connection is often over looked, but this ability is essential if the router is going to be installed in unmanned locations or areas where access to equipment is difficult. The Teltonika 'Ping Reboot' automatically reboots itself if the router goes offline for a configurable level of time. This feature eliminates the need to visit site to reboot the router if there have been temporary cell mask issues or intermittent levels of network coverage.

The router also supports SMS status and Reboot commands that allow the router to be interrogated for current signal level or rebooted via SMS. These powerful remote diagnostic tools could prevent a site visit by an engineer, lowering maintenance costs.

Remote Management System (RMS)
The RUTX09 supports the Teltonika Remote Management System (RMS). A monthly subscription allows you to take control of your router portfolio, monitoring signal levels and device activity through a central management system, lowering your TCO.

Reset button   SIM card slots

Mobile antenna connectors   GPS antenna connector

4 pin power socket   LAN ports   WAN port

Grounding screw   USB port

Technical Specifications

Specifications subject to change without notice

Hardware

Mobile	4G (LTE) – Cat 6 DL up to 300 Mbps, UL up to 50Mbps; DC-HSDPA; HSUPA; WCDMA
CPU	Quad Core ARM Cortex A7 717 MHz CPU
Memory	256 MBytes Flash, 256 MBytes DDR3 RAM
Ethernet	4 x 1Gbit Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
Power supply	9 - 50 VDC, 4 pin DC connector
PoE (passive)	Passive PoE. Possibility to power up through LAN port, **not compatible** with IEEE 802.3af and 802.3at standards
Connectors	1 x 4 pin DC, 4 x Ethernet, 2 x Mobile SMA, 1 x GPS SMA
SIM	2 x external SIM holders
Status LEDs	1 x Power, 2 x SIM, 3 x Mobile network type, 5 x Signal Strength
Operating temperature	-40 °C to 75 °C
Housing	Full aluminium with grounding terminal
Dimensions	115 mm x 95 mm x 44 mm
Weight	456 g

Software

Operating system	RutOS (OpenWrt based Linux OS)
SIM switch	2 SIM cards, auto-switch cases: data limit, roaming, no network, network denied, data connection fail
Multiple PDN	Possibility to use different PDNs for multiple network access and services
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DHCP, DNS, HTTP, HTTPS, SMTP, SSL v3, TLS, ARP, PPPoE, UPNP, SSH, Telnet
Networking features	NAT, Static/Dynamic routing, Firewall, OpenVPN, IPSec, H.232 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets
Unique networking features	VLAN, Mobile quota control, WEB Filter, Load Balancing, Network Backup, Auto Failover
Connection monitoring	Ping Reboot, Periodic Reboot, LCP and ICMP for link inspection
Authentication	Pre-shared key, digital certificates, X.509 certificates
Keep settings	Update FW without loosing current configuration
Monitoring & Management	WEB UI, SSH, SMS, SNMP, JSON-RPC, FOTA, RMS
Supported languages	Busybox shell, Lua, C, C++
Development tools	SDK package with build environment provided

The RUTX09 includes two year warranty as standard. Additional warranty available.