

# RUTX11

INDUSTRIAL CELLULAR ROUTER



RUTX11 360° VIEW



## DUAL SIM

With auto failover, backup WAN and other switching scenarios

## WIFI & BT

Wave-2 802.11ac Dual Band WIFI and Bluetooth LE

## GNSS

Global Navigation Satellite System for location services and time synchronization

## RMS

Compatible with Teltonika Remote Management System

## 4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

## PROTOCOLS

Multiple protocols supported including MQTT, Modbus TCP, BGP, GRE

## RUTX11

### PRODUCT DESCRIPTION

// RUTX11 is a very powerful device equipped with Dual-SIM with auto Failover, Backup WAN, and other SW features.

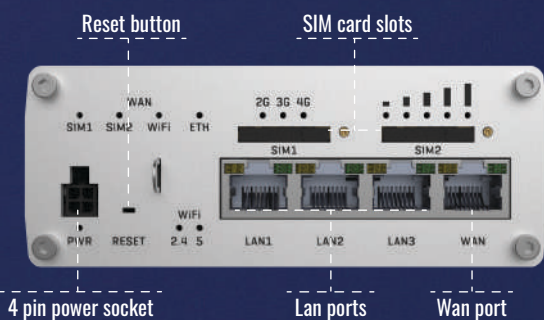
// A wide range of internal hardware interfaces allows this product to be used in power-hungry industrial applications where speed and robustness are at the heart of the solution.

// 4G LTE - Cat 6 DL up to 300 Mbps in sync with 4 x 1 Gbit Ethernet ports allows for a seamless data transfer experience with auto-failover and a backup WAN.

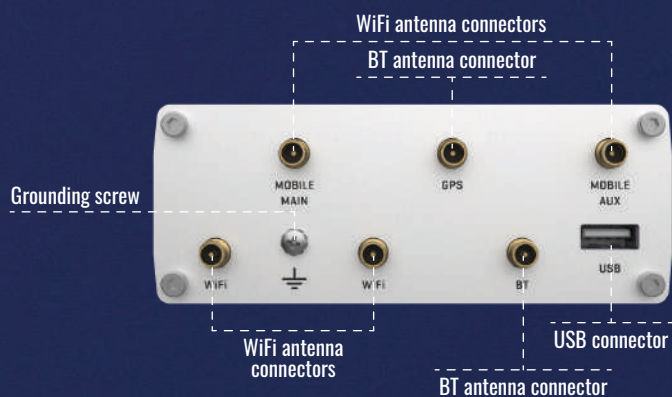
// Bluetooth LE allows sensors to be connected directly to the router, thus minimizing the overall solution ecosystem.



### FRONT VIEW



### BACK VIEW



# KEY FEATURES

## HARDWARE

Mobile	4G/LTE (Cat 6), 3G
CPU	Qualcomm, 4 x ARM Cortex A7, 717 MHz
Memory	256 MBytes Flash, 256 MBytes RAM
Powering option	4pin power socket, 9-50 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi, 1 x RP-SMA for Bluetooth, 1 x SMA for GPS
Ethernet	4 x 10/100/1000 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
WiFi	IEEE 802.11b/g/n 2.4GHz, IEEE 802.11ac/n/a 5GHz, Access point (AP), Station (STA)
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Bluetooth	4.0 (Low energy)
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
Other	1 x USB host
Status LEDs	4 x WAN type, 2 x Connection type, 5 x Signal strength, 2 x WiFi, 8 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option and grounding capability
Dimensions	115 x 44 x 95 mm
Weight	456 g

## SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Multiple PDN, Auto APN, Band lock, SIM switch, Operator black/white list, Data/SMS limits
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Routing	Static routes, Dynamic routes (BGP, OSPFv2, RIPv1/v2, EIGRP, NHRP), Routing rules
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, WireGuard, ZeroTier
Cloud solutions	RMS, FOTA, Telenor, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Hotspot	External/Internal Radius, SMS OTP, MAC authentication, Walled Garden
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing

## RMS

**RMS** | REMOTE MANAGEMENT SYSTEM  
**COMPATIBLE WITH RUTX11**  
 MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA



## SOCIAL

