

# RUT241-eSIM

## INDUSTRIAL 4G eSIM™ ROUTER

RUT241-eSIM  
360° VIEW

The RUT241 eSIM™ is an industrial cellular router equipped with LTE Cat 4 and eSIM™ with SGP.22 pull-based consumer architecture. This compact eSIM™ router supports a physical SIM card, up to seven eSIM™ profiles, controlled via WebUI and RMS, and Trusted Platform Module (TPM) for enhanced security. The RUT241 eSIM™ router provides undisrupted connectivity with automatic WAN failover and two Ethernet ports, making it perfect for your M2M and IoT solutions.



### CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

### eSIM™

Seamless connectivity with eSIM™ SGP.22

### TPM

Next-gen router security with Trusted Platform Module

### RMS

For easy &amp; convenient eSIM™ profile management



**RMS** | **REMOTE MANAGEMENT SYSTEM**  
**COMPATIBLE WITH RUT241-eSIM**

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

# KEY FEATURES

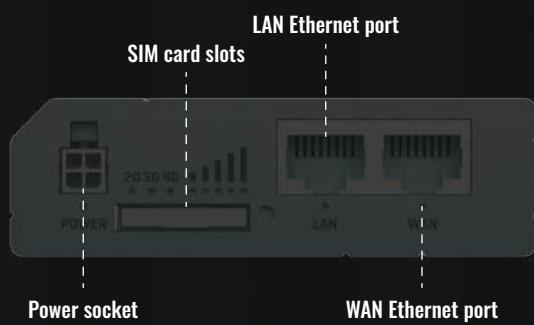
## HARDWARE

Mobile	4G (LTE) – Cat 4 up to 150 Mbps, 3G – Up to 42 Mbps, 2G – Up to 236.8 kbps
CPU	Mediatek, 580 MHz, MIPS 24KEc
RAM	128 MB, DDR2
Storage	16 MB, SPI Flash
Powering options	4-pin industrial DC power socket, 9 - 30 VDC
SIM	1 x SIM slot (Mini SIM – 2FF), 1.8 V/3 V, external SIM holder
eSIM™	Consumer type eSIM™, profile download and removal operations, up to 7 eSIM™ profiles
TPM	Identification and authentication module, TPM 2.0 standard
Antenna connectors	2 x SMA for LTE, 1 x RP-SMA for Wi-Fi antenna connectors
Ethernet	2 x RJ45 ports, 10/100 Mbps
Wi-Fi	IEEE 802.11b/g/n, Access Point (AP), Station (STA)
Inputs/Outputs	1 x Digital Input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high, 1 x Digital Output, Open collector output, max output 30 V, 300 mA
Status LEDs	3 x Connection type status LEDs, 5 x Connection strength LEDs, 2 x LAN status LEDs, 1 x Power LED
Operating temperature	-40 °C to 75 °C
Housing	Aluminum housing, plastic panels
Dimensions (W x H x D)	83 x 25 x 74 mm
Weight	130 g

## SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	eSIM, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough
Network features	VoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, Hotspot, DHCP, QoS / Smart Queue Management (SQM), DDNS, DNS over HTTPS, Network backup, Load balancing, SSHFS
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control, TPM, SSL certificate generation
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc
Monitoring and Management	WEB UI, FOTA, SSH, SMS, Call, Email, TR-069, MQTT, SNMP, JSON-RPC, RMS
Cloud solutions	RMS, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub
Services	OPC UA, Modbus, Data to Server, Modbus MQTT Gateway, DNP3, DLMS, API

## FRONT VIEW



## BACK VIEW

