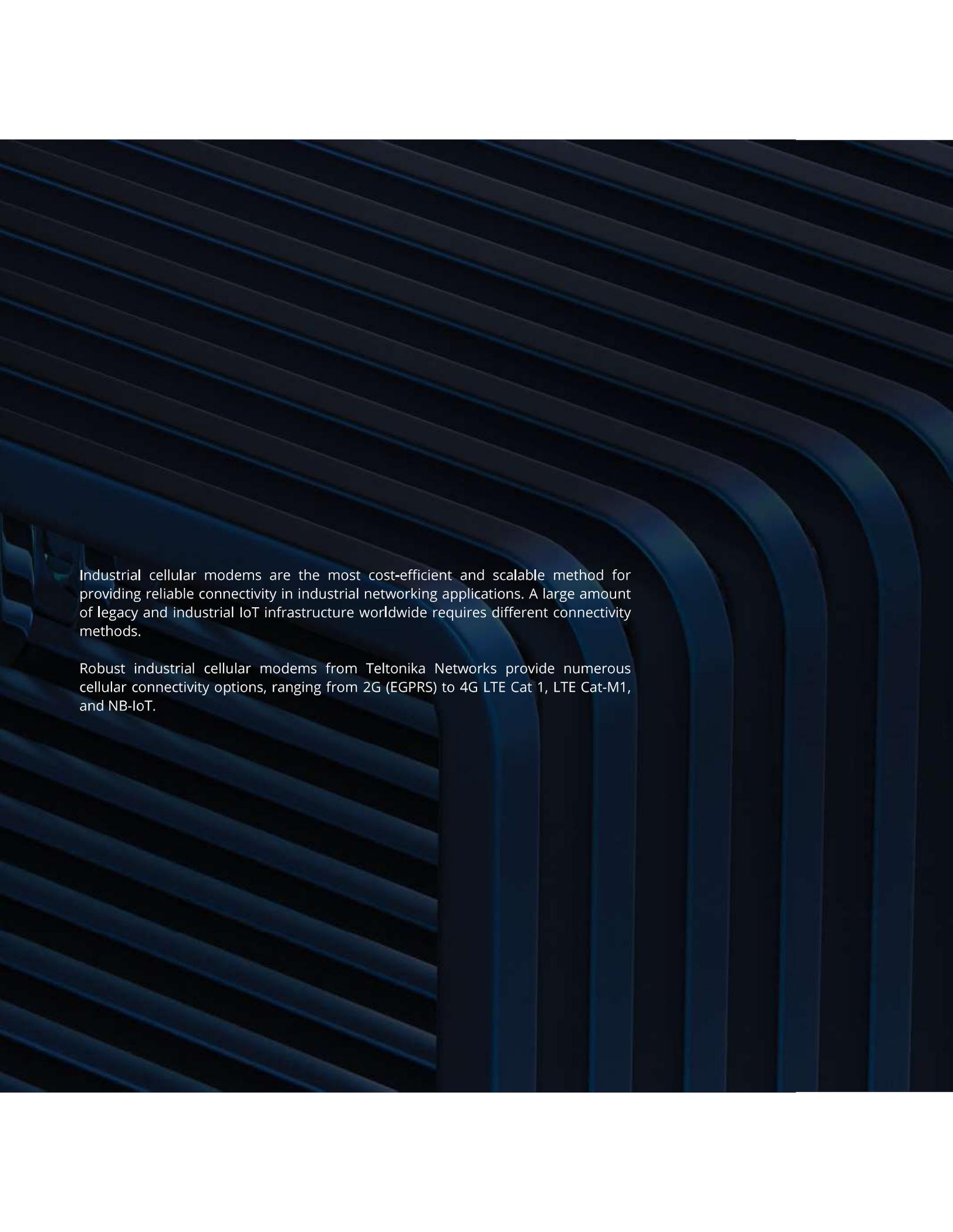




# MODEMS



Industrial cellular modems are the most cost-efficient and scalable method for providing reliable connectivity in industrial networking applications. A large amount of legacy and industrial IoT infrastructure worldwide requires different connectivity methods.

Robust industrial cellular modems from Teltonika Networks provide numerous cellular connectivity options, ranging from 2G (EGPRS) to 4G LTE Cat 1, LTE Cat-M1, and NB-IoT.

CELLULAR // MODEMS



# TRM240

## INDUSTRIAL CELLULAR MODEM

TRM240 is an industrial-grade USB LTE Cat 1 modem with a rugged housing and an external antenna for better signal coverage. This product is perfect for upgrading existing industrial equipment with cost-efficient LTE connectivity.

### CONNECTIVITY

4G LTE (Cat 1), 3G, 2G

### COMPACT & DURABLE

Small size, easy installation

### USB

Interface for Internet access

### EXTERNAL ANTENNA

For deployment flexibility

## STANDARD PACKAGE CONTAINS:

TRM240 // 1 x LTE antenna (swivel, SMA male) // Micro-USB cable (0.8 m) // 1 x hex key // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 1), 3G, 2G
Powering option	microUSB, 5 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
USB	1 x Micro USB slave
Status LEDs	1 x LTE, 1 x Network, 1 x Power
Ingress protection rating	IP30
Operating humidity	10 % to 90 % non-condensing
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	74.5 x 25 x 64.5 mm
Weight	131 g

# SOFTWARE

Network manager	Windows 7/8/8.1/10 Linux distributions
USB serial driver	Windows 7/8/8.1/10 Windows CE 5.0/6.0 Linux 2.6~5.4 Android 4.x/5.x/6.x/7.x/8.x/9.x
RIL driver	Android 4.x/5.x/6.x/7.x/8.x/9.x
NDIS driver	Windows 7/8/8.1/10
Gobinet driver	Linux 2.6~5.4
QMI_WWAN driver	Linux 3.4~5.4
Control via AT commands	3GPP TS27.007 and enhanced AT commands

CELLULAR // MODEMS



# TRM250

## INDUSTRIAL CELLULAR MODEM

TRM250 is an industrial-grade USB LTE Cat-M1/NB-IoT/EGPRS modem with a rugged housing and an external antenna for better signal coverage. This product is perfect for providing cost-efficient internet connectivity in remote monitoring applications.

### CONNECTIVITY

4G LTE (Cat M1), NB-IoT, 2G

### COMPACT & DURABLE

Small size, easy installation

### USB

Interface for Internet access

### EXTERNAL ANTENNA

For deployment flexibility

## STANDARD PACKAGE CONTAINS:

TRM250 // 1 x LTE antenna (swivel, SMA male) // Micro-USB cable (0.8 m) // 1 x hex key // QSG (Quick Start Guide) // Packaging box

# HARDWARE



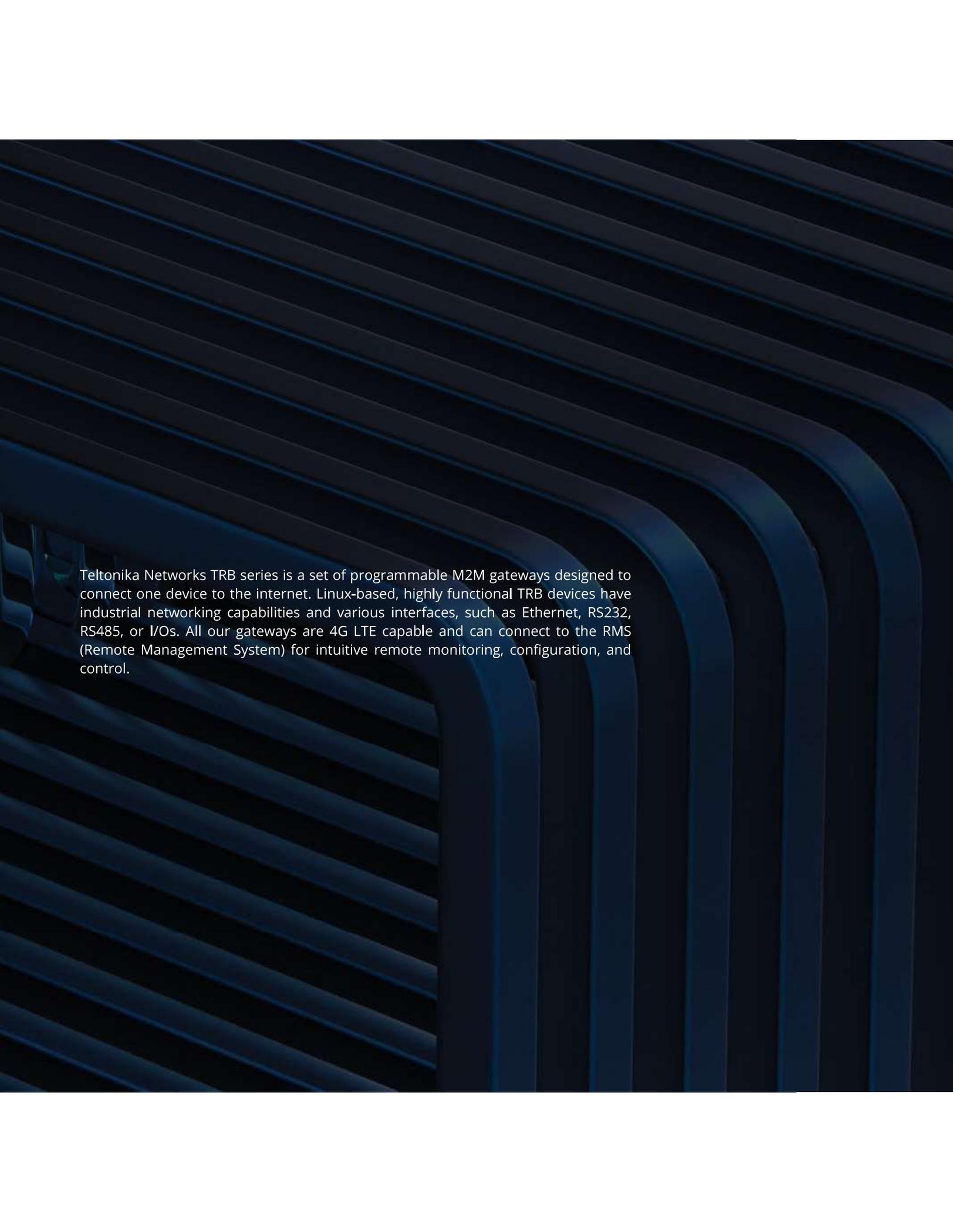
Mobile	4G/LTE (Cat M1), NB-IoT, 2G
Powering option	microUSB, 5 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
USB	1 x Micro USB slave
Status LEDs	1 x Network, 1 x Power
Ingress protection rating	IP30
Operating humidity	10 % to 90 % non-condensing
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	74.5 x 25 x 64.5 mm
Weight	130 g

# SOFTWARE

Network manager	Windows 7/8/8.1/10 Linux distributions
USB serial driver	Windows 7/8/8.1/10 Windows CE 5.0/6.0 Linux 2.6~5.4 Android 4.x/5.x/6.x/7.x/8.x/9.x
RIL driver	Android 4.x/5.x/6.x/7.x/8.x/9.x
NDIS driver	Windows 7/8/8.1/10
Gobinet driver	Linux 2.6~5.4
QMI_WWAN driver	Linux 3.4~5.4
Control via AT commands	3GPP TS27.007 and enhanced AT commands



# GATEWAYS



Teltonika Networks TRB series is a set of programmable M2M gateways designed to connect one device to the internet. Linux-based, highly functional TRB devices have industrial networking capabilities and various interfaces, such as Ethernet, RS232, RS485, or I/Os. All our gateways are 4G LTE capable and can connect to the RMS (Remote Management System) for intuitive remote monitoring, configuration, and control.

CELLULAR // GATEWAYS



# TRB140

## INDUSTRIAL RUGGED LTE GATEWAY

TRB140 is an ultra-small, lightweight, and energy-efficient IoT device with mission-critical LTE Cat 4 and Gigabit Ethernet connectivity options. Linux environment offers a high degree of customization. This gateway is perfect for projects and applications where a single device must be upgraded with reliable and secure internet connectivity.

### CONNECTIVITY

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

### COMPACTNESS

Small and rugged aluminum housing for easy installation

### PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols

### RMS

For remote management, access & VPN services

## STANDARD PACKAGE CONTAINS:

TRB140 // 9 W PSU // 1 x LTE antenna (magnetic mount, SMA male, 3 m cable) // Micro-USB cable (0.8 m) // 1 x hex key // LAN cable // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Qualcomm, ARM Cortex A7, 1.2 GHz
Storage	512 MBytes Flash (200 MBytes for userspace)
Memory	128 MBytes RAM (50 MBytes for userspace)
Powering option	4pin power socket, 9-30 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
Ethernet	1 x 10/100/1000 Ethernet port
Inputs/Outputs	On 4pin socket: 2 x Digital input/Digital open collector output (configurable)
Other	1 x Micro USB slave
Status LEDs	3 x Connection type, 5 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	74.5 x 25 x 64.4 mm
Weight	134 g

# SOFTWARE

Operating system	RutOS
Mobile features	Auto APN, Band lock, Operator black/white list, Data/SMS limits
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Firewall	Port forward, Traffic rules, Custom rules, Pre-configured firewall rules, NAT, NAT-T, NAT helpers, Unlimited firewall configuration via CLI
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, SSTP, Stunnel, DMVPN L2TP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
Services	WEB UI, CLI, SSH, SMS, TR-069, SNMP, JSON-RPC, MQTT, RMS

CELLULAR // GATEWAYS



# TRB141

## INDUSTRIAL RUGGED GPIO LTE GATEWAY

TRB141 is a small industrial LTE Cat 1 gateway equipped with diverse inputs/outputs and a Micro USB port. This gateway comes with secure, highly customizable RutOS and works perfectly for remote management of devices and applications using I/O.

### CONNECTIVITY

4G LTE (Cat 1), 3G, 2G

### COMPACTNESS

Small and rugged aluminum housing for easy installation

### I/O

Wide range of Inputs/Outputs for remote monitoring and control

### PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols

### STANDARD PACKAGE CONTAINS:

TRB141 // 9 W PSU // 1 x LTE antenna (magnetic mount, SMA male, 3 m cable) // Micro-USB cable (0.8 m) // 1 x hex key // I/O connector // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 1), 3G, 2G
CPU	Qualcomm, ARM Cortex A7, 1.2 GHz
Storage	512 MBytes Flash (200 MBytes for userspace)
Memory	128 MBytes RAM (50 MBytes for userspace)
Powering option	4pin power socket, 9-30 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
Inputs/Outputs	On 4pin socket: 2 x Digital input/Digital open collector output (configurable) On 16pin socket: 1 x Isolated input, 1 x Single wire input, 1 x Analog input (with 4-20mA capability), 1 x Latching relay output, 1 x Non-latching relay output, 2 x Dry/Wet input (configurable)
Other	1 x Micro USB slave
Status LEDs	3 x Connection type, 5 x Signal strength, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	74.5 x 25 x 64.4 mm
Weight	136 g

# SOFTWARE

Operating system	RutOS
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, SSTP, Stunnel, DMVPN L2TP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Services	DDNS, WEB filter, Traffic Logging

## CELLULAR // GATEWAYS



# TRB142

### INDUSTRIAL RUGGED LTE RS232 GATEWAY

TRB142 is an ultra-small, lightweight, and energy-efficient IoT gateway equipped with mission-critical LTE connectivity. TRB142 comes with a widely used RS232 interface for remote management of industrial devices.

### CONNECTIVITY

4G LTE (Cat 1), 3G, 2G

### COMPACTNESS

Small and rugged aluminum housing for easy installation

### RS232

Equipped with RS232 for industrial serial communication

### PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols

### STANDARD PACKAGE CONTAINS:

TRB142 // 9 W PSU // 1 x LTE antenna (magnetic mount, SMA male, 3 m cable) // Micro-USB cable (0.8 m) // 1 x hex key // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 1), 3G, 2G
CPU	Qualcomm, ARM Cortex A7, 1.2 GHz
Storage	512 MBytes Flash (200 MBytes for userspace)
Memory	128 MBytes RAM (50 MBytes for userspace)
Powering option	4pin power socket, 9-30 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
Inputs/Outputs	On 4pin socket: 2 x Digital input/Digital open collector output (configurable)
Serial	1 x RS232
Other	1 x Micro USB slave
Status LEDs	3 x Connection type, 5 x Signal strength, 1 x Power
Operating temperature	-40° C to 75° C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	74.5 x 25 x 64.4 mm
Weight	135 g

# SOFTWARE

Operating system	RutOS
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus

## CELLULAR // GATEWAYS



# TRB145

### INDUSTRIAL RUGGED LTE RS485 GATEWAY

TRB145 is an ultra-small, lightweight, and energy-efficient IoT gateway equipped with mission-critical LTE connectivity that comes with a widely used RS485 interface for remote management of industrial equipment.

### CONNECTIVITY

4G LTE (Cat 1), 3G, 2G

### COMPACTNESS

Small and rugged aluminum housing for easy installation

### RS485

Equipped with RS485 for industrial serial communication

### PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols

### STANDARD PACKAGE CONTAINS:

TRB145 // 9 W PSU // 1 x LTE antenna (magnetic mount, SMA male, 3 m cable) // Micro-USB cable (0.8 m) // 1 x hex key // RS485 connector // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 1), 3G, 2G
CPU	Qualcomm, ARM Cortex A7, 1.2 GHz
Storage	512 MBytes Flash (200 MBytes for userspace)
Memory	128 MBytes RAM (50 MBytes for userspace)
Powering option	4pin power socket, 9-30 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
Inputs/Outputs	On 4pin socket: 2 x Digital input/Digital open collector output (configurable)
Serial	1 x RS485
Other	1 x Micro USB slave
Status LEDs	3 x Connection type, 5 x Signal strength, 1 x Power
Operating temperature	-40° C to 75° C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	74.5 x 25 x 64.4 mm
Weight	130 g

# SOFTWARE

Operating system	RutOS
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus

CELLULAR // GATEWAYS



# TRB245

## INDUSTRIAL M2M LTE GATEWAY

TRB245 is an industrial all-in-one M2M LTE Cat 4 gateway equipped with multiple inputs/outputs, RS232, RS485, and Ethernet interfaces, allowing for universal application in M2M solutions.

### CONNECTIVITY

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

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### SERIAL PORTS

Equipped with RS232/RS485 serial communication interfaces

### I/O

Multiple Inputs and Outputs for remote monitoring and control

### STANDARD PACKAGE CONTAINS:

TRB245 // 9 W PSU // 1 x LTE antenna (swivel, SMA male) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // 16 pin terminal block // 1 x hex key // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Qualcomm, MIPS 24Kc, 650 MHz
Storage	16 MB Flash
Memory	64 MB RAM
Powering option	16pin terminal, 9-30 VDC
SIM	2 x Internal SIM holders (2FF)
Antenna connectors	1 x SMA for mobile, 1 x SMA for GPS
Ethernet	1 x 10/100 Ethernet port
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Inputs/Outputs	On 16pin socket: 3 x Digital input/Digital open collector output (configurable), 1 x Analog input
Serial	1 x RS232, 1 x RS485
Status LEDs	3 x Connection type, 3 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	83 x 25 x 74.2 mm
Weight	165 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 protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus
Administration	Multi user, Configuration profiles, Diagnostics, logs, Configuration backup

CELLULAR // GATEWAYS



# TRB255

## INDUSTRIAL M2M GATEWAY

Industrial all-in-one M2M LTE Cat-M1/NB-IoT/EGPRS gateway, equipped with multiple inputs/outputs, RS232, RS485, and Ethernet interfaces to be used universally in various M2M applications.

### CONNECTIVITY

4G LTE (Cat M1), NB-IoT, 2G

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### SERIAL PORTS

Equipped with RS232/RS485 serial communication interfaces

### I/O

Multiple Inputs and Outputs for remote monitoring and control

### STANDARD PACKAGE CONTAINS:

TRB255 // 9 W PSU // 1 x LTE antenna (swivel, SMA male) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // Ethernet cable (1.5 m) // 1 x hex key // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat M1), NB-IoT, 2G
CPU	Qualcomm, MIPS 24Kc, 650 MHz
Storage	16 MB Flash
Memory	64 MB RAM
Powering option	16pin terminal, 9-30 VDC
SIM	2 x Internal SIM holders (2FF)
Antenna connectors	1 x SMA for mobile, 1 x SMA for GPS
Ethernet	1 x 10/100 Ethernet port
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Inputs/Outputs	On 16pin socket: 3 x Digital input/Digital open collector output (configurable), 1 x Analog input
Serial	1 x RS232, 1 x RS485
Status LEDs	3 x Connection type, 3 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	83 x 25 x 74.2 mm
Weight	165 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 protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus
Administration	Multi user, Configuration profiles, Diagnostics, logs, Configuration backup

# MANUFACTURING FACILITY REMOTE MANAGEMENT



## // INDUSTRIAL & AUTOMATION

In 2020 there were more than 290 thousand manufacturing plants in the US alone. This number is bound to keep increasing as the world industry is ever-growing in size. Such industrial expansion can be hard to keep up with as hiring and training new personnel takes time. With the increase in the efficiency of their factories, companies resort to manufacturing and assembly line automation.

### SOLUTION

Does the fact that one device from Teltonika Networks can connect a PLC, HMI, RFID, panic alert button and more intrigue you? That little device is the TRB255 industrial M2M gateway. First of all, this gateway can communicate with various devices responsible for working on the manufacturing line thanks to multiple interface ports.

For the primary connections — PLC can be connected via the RS232 serial communication interface, while HMI can take up the RS485. This setup takes care of the central production line machinery. The Ethernet connects the HVAC (Heating, Ventilation and Conditioning) system, which can be adjusted based on the temperature and humidity sensors' data, connecting to TRB255 through the analog input.

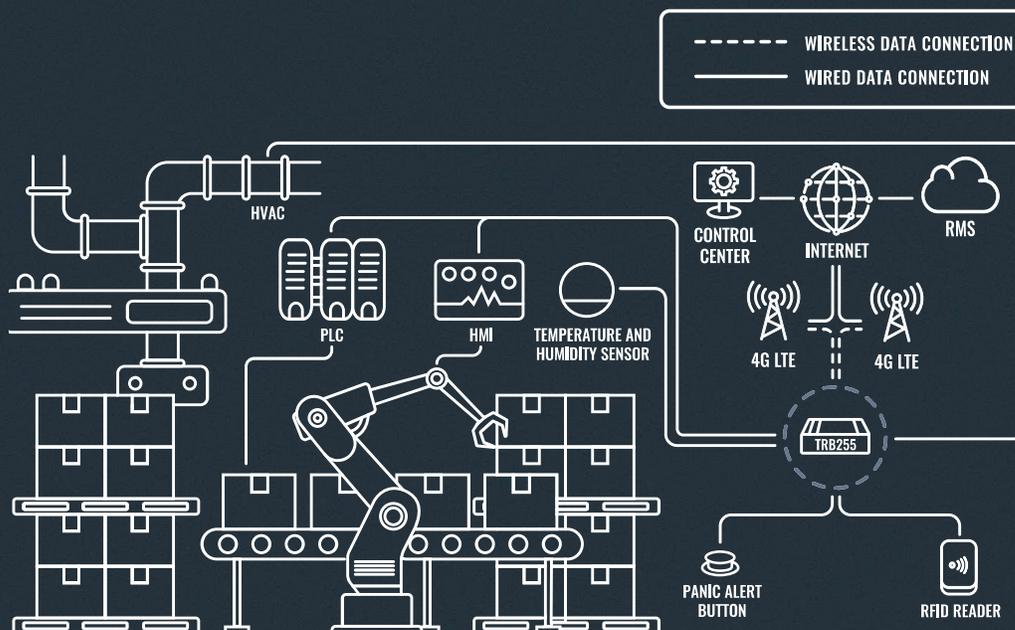
Teltonika industrial gateway can also accommodate all the other supporting systems thanks to its multiple differing connections. Such

design can incorporate older components of the assembly line into one system. For example, a panic alert button can connect to one of the digital input/output ports, and another port can accommodate an RFID reader to ensure additional factory security.

While the TRB255 industrial gateway provides a way to incorporate all devices into one network, Teltonika Networks RMS (Remote Management System) lets you access all of it remotely. This setup enables you to reach our products and third-party equipment as if you were there physically and perform troubleshooting, update firmware, and change any settings.

### BENEFITS

- /Backward compatibility with the 2G network allows for installation in facilities using legacy equipment.
- /The supported power supply voltages range from 9 to 30V, allowing easy integration with industrial components.
- /Dual-SIM offers automatic failover in case the cellular network connection gets disrupted.
- /TRB255 offers multiple interfaces, including RS232 and RS485, letting you connect old and new equipment in the same network.
- /This router is compatible with the Teltonika RMS, which allows you to gather data and manage your Teltonika devices remotely.





# WIRELESS PARKING AVAILABILITY DATA TRANSMISSION

## // SMART CITY

Due to the high volume of cars on the streets, up to 30% of traffic comprises daily commuters. They are wondering about trying to find a free parking spot. People looking for parking pollute the environment with car exhaust fumes. So, is there a way to address this issue and reduce adverse effects?

### SOLUTION

Our partners created a system to display available parking spaces. This urban IoT solution already helps solve Belgrade traffic congestion, exhaust fume pollution, and noise issues.

Sensors in each parking spot are connected to a communication unit. They collect all the information about parking availability and send it to a cloud server. The display board is installed farther from the sensors, so they opted for a 4G cellular connection provided by Teltonika Networks industrial TRB145 LTE gateway installed within the display housing. TRB145 retrieves the information from

the server and passes on the parking space availability data to the display via the RS485 serial interface. The TRB145 gateway design is compact enough to fit inside the display board. Also, TRB145 runs on the open-source operating system — RutOS, allowing for seamless integration with other systems and customization according to the existing infrastructure.

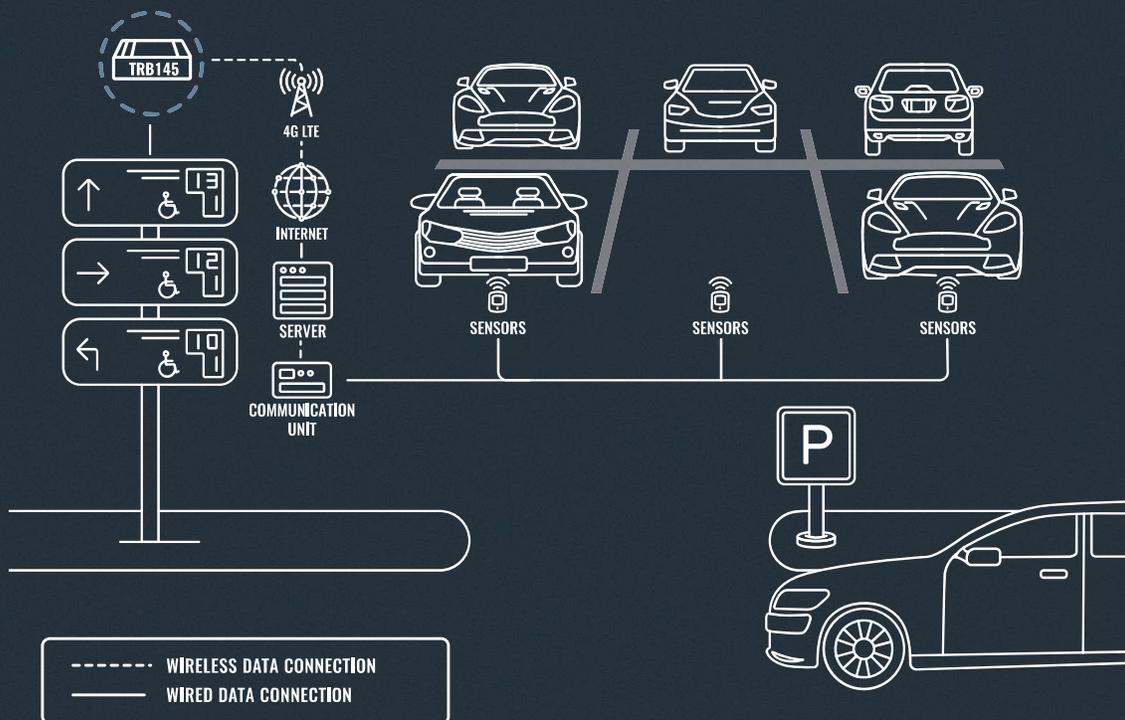
### BENEFITS

/TRB145 has a sturdy aluminum housing that resists vibrations near heavy and constant traffic.

/TRB145 has a compact design, perfect for the fast and easy deployment of urban IoT solutions and tight spaces.

/Multiple software features like Firewall, Open VPN, and more, TRB145 for applications where security plays an important role.

/TRB145 provides stable 4G LTE cellular connectivity where a wired connection isn't an option.



A close-up, low-angle shot of a dark blue router bit. The bit features a distinctive wavy, scalloped cutting edge. The lighting is dramatic, highlighting the texture and depth of the metal. The word "ROUTERS" is overlaid in the center in a bold, white, sans-serif font.

# ROUTERS



Our routers are equipped with various wireless and wired connectivity options and advanced technologies, making them an essential tool to connect people, machines, and infrastructure across diverse market sectors. The Teltonika Networks RUT series is engineered to be easily deployed even in the most challenging IoT setups. Our RutOS, based on Linux OpenWRT, has become one of the most functional operating systems in the networking device market.

CELLULAR // ROUTERS

# RUT200

## INDUSTRIAL CELLULAR ROUTER

RUT200 is a compact-sized industrial cellular router compatible with the Middle East, Asia, Africa, South America, and CIS networks. Featuring multiple connectivity options (LTE, Wi-Fi, and Ethernet), this model is perfect for quickly setting up primary and backup connectivity with remote management capabilities.

### CONNECTIVITY

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

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

### RMS

For remote management, access & VPN services

### STANDARD PACKAGE CONTAINS:

RUT200 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 1 x WiFi antenna (swivel, RP-SMA male) // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Mediatek MIPS 24Kc 580 MHz
Storage	16 MB Flash
Memory	128 MB RAM
Powering option	4pin power socket, 9-30 VDC
SIM	1 x External SIM holder (2FF)
Antenna connectors	2 x SMA for mobile, 1 x RP-SMA for WiFi
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
Status LEDs	3 x Connection type, 5 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option, plastic panels
Dimensions (W x H x D)	83 x 25 x 74 mm
Weight	125 g

# SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Auto APN, Band lock
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

CELLULAR // ROUTERS

# RUT240

## INDUSTRIAL CELLULAR ROUTER

Compact, robust and powerful device tailored for industrial M2M/IoT applications. RUT240 features two Ethernet ports and a wireless interface with Hotspot functionality. Stable connectivity is ensured with WAN failover, while the RutOS software meets the highest security standards. Compatible with RMS.

### CONNECTIVITY

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

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

### RMS

For remote management, access & VPN services

### STANDARD PACKAGE CONTAINS:

RUT240 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 1 x WiFi antenna (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Atheros, MIPS 24Kc, 400 MHz
Storage	16 MB Flash
Memory	64 MB RAM
Powering option	4pin power socket, 9-30 VDC
SIM	1 x External SIM holder (2FF)
Antenna connectors	2 x SMA for mobile, 1 x RP-SMA for WiFi
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
Status LEDs	3 x Connection type, 5 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option, plastic panels
Dimensions (W x H x D)	83 x 25 x 74 mm
Weight	125 g

# SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Auto APN, Band lock
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

CELLULAR // ROUTERS

# RUT241

## INDUSTRIAL CELLULAR ROUTER

Equipped with 4G LTE, Wi-Fi, and two Ethernet ports, RUT241 offers unstoppable connection continuity with automatic WAN failover. Industrial design, compact size, multiple connection interfaces, and compatibility with RMS make this device an excellent fit in numerous IoT and M2M solutions.

### CONNECTIVITY

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

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

### RMS

For remote management, access & VPN services

### STANDARD PACKAGE CONTAINS:

RUT241 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 1 x WiFi antenna (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Mediatek MIPS 24Kc 580 MHz
Storage	16 MB Flash
Memory	128 MB RAM
Powering option	4pin power socket, 9-30 VDC
SIM	1 x External SIM holder (2FF)
Antenna connectors	2 x SMA for mobile, 1 x RP-SMA for WiFi
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
Status LEDs	3 x Connection type, 5 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option, plastic panels
Dimensions (W x H x D)	83 x 25 x 74 mm
Weight	125 g

# SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Auto APN, Band lock
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

## CELLULAR // ROUTERS



# RUT360

### LTE CAT6 INDUSTRIAL CELLULAR ROUTER

A successor of our best-selling RUT240, RUT360 keeps its compact shape in a rugged aluminum housing but offers more processing power and increased cellular speeds up to 300Mbps with Carrier Aggregation. Unique programming, remote monitoring, and security features make RUT360 perfect for IoT and M2M applications, where secure connectivity is required, but mobile data speeds are limited.

### 4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

### WI-FI

802.11 b/g/n Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

### RMS

For remote management, access & VPN services

### STANDARD PACKAGE CONTAINS:

RUT360 // 12 W PSU // 2 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 6), 3G
CPU	Qualcomm, MIPS 24Kc, 650 MHz
Memory	16 MBytes Flash, 128 MBytes RAM
Powering option	4pin power socket, 9-30 VDC
SIM	1 x External SIM holder (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
Inputs/Outputs	On 4pin socket: 2 x Digital input/Digital open collector output (configurable)
Status LEDs	2 x Connection type, 3 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	100 x 30 x 85 mm
Weight	247 g

# SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Auto APN, Band lock
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

CELLULAR // ROUTERS



# RUT950

## INDUSTRIAL CELLULAR ROUTER

RUT950 is a high-performance cellular router featuring dual-SIM, four Ethernet interfaces, and Wi-Fi. The device is designed as a primary or backup internet source to guarantee a reliable connection with high data throughput and data redundancy. RUT950 comes with RutOS software security features and RMS support.

### CONNECTIVITY

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

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

### STANDARD PACKAGE CONTAINS:

RUT950 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Atheros, MIPS 74Kc, 550 MHz
Storage	16 MB Flash
Memory	128 MB RAM
Powering option	4pin power socket, 9-30 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
Status LEDs	1 x Bi-Color connection type, 5 x Signal strength, 4 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option, plastic panels with flat mounting option
Dimensions (W x H x D)	110 x 50 x 100 mm
Weight	280 g

# SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	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, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Hotspot	External/Internal Radius, SMS OTP, MAC authentication, Walled Garden
Supported Hotspot platforms	IronWiFi, HotspotSystem, Cloud4Wi, SAI + WiFi, MugiCloud, Purple.ai
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

CELLULAR // ROUTERS



# RUT951

## INDUSTRIAL CELLULAR ROUTER

RUT951 features dual-SIM cellular connectivity combined with Wi-Fi and four Ethernet interfaces to meet the needs of the most varied IoT scenarios. Powered by RutOS, this router offers advanced customization options, automation features, and top-level security for your solution.

### CONNECTIVITY

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

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

## STANDARD PACKAGE CONTAINS:

RUT951 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Mediatek MIPS 24Kc 580 MHz
Storage	16 MB Flash
Memory	128 MB RAM
Powering option	4pin power socket, 9-30 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
Status LEDs	1 x Bi-Color connection type, 5 x Signal strength, 4 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option, plastic panels with flat mounting option
Dimensions (W x H x D)	110 x 50 x 100 mm
Weight	287 g

# SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	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, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Hotspot	External/Internal Radius, SMS OTP, MAC authentication, Walled Garden
Supported Hotspot platforms	IronWiFi, HotspotSystem, Cloud4Wi, SAI + WiFi, MugiCloud, Purple.ai
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

## CELLULAR // ROUTERS



# RUT955

### INDUSTRIAL CELLULAR ROUTER

RUT955 offers a dual-SIM cellular connection, four Ethernet ports, and Wi-Fi combined with RS232, RS485, USB interfaces, and inputs/outputs for an incredible variety of professional application scenarios. This router comes with RutOS advanced software features such as Modbus, SNMP, TR-069, NTRIP, MQTT protocol support, and GNSS tracking capabilities.

### CONNECTIVITY

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

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### MULTIPLE INTERFACES

Ethernet, Serial (RS232, RS485) and multiple Inputs/Outputs for any industrial connectivity use case

### GNSS

Global Navigation Satellite System for location services and time synchronization

### STANDARD PACKAGE CONTAINS:

RUT955 // 9 W PSU // 2 x LTE antennas (magnetic mount, SMA male, 3 m cable) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // GNSS antenna (adhesive, SMA male, 3 m cable) // RS485 connector block // I/O connector block // Ethernet cable (1.5 m) // SIM Adapter kit // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Atheros, MIPS 74Kc, 550 MHz
Storage	16 MB Flash
Memory	128 MB RAM
Powering option	4pin power socket, 9-30 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi, 1 x SMA for GPS
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output On 10pin socket: 1 x Isolated digital input, 1 x Digital dry input, 1 x Analog input, 1 x Isolated open collector output (requires external voltage), 1 x Relay output (non-latching)
Serial	1 x RS232, 1 x RS485
Other	1 x USB host, 1 x MicroSD
Status LEDs	1 x Bi-Color connection type, 5 x Signal strength, 4 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option, plastic panels with flat mounting option
Dimensions (W x H x D)	110 x 50 x 100 mm
Weight	287 g

# SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Band lock, SIM switch, Operator black/white list, Data/SMS limits
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus

CELLULAR // ROUTERS



# RUT956

## INDUSTRIAL CELLULAR ROUTER

RUT956 is an industrial router that combines cellular, Wi-Fi, and wired connectivity options with automatic WAN failover and GNSS capabilities. Serial communication interfaces enable integrating more varied devices into the solution ecosystem, while I/O and advanced RutOS software facilitate equipment control, automation, and event notifications.

### CONNECTIVITY

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

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### MULTIPLE INTERFACES

Ethernet, Serial (RS232, RS485) and multiple Inputs/Outputs for any industrial connectivity use case

### GNSS

Global Navigation Satellite System for location services and time synchronization

## STANDARD PACKAGE CONTAINS:

RUT956 // 9 W PSU // 2 x LTE antennas (magnetic mount, SMA male, 3 m cable) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // GNSS antenna (adhesive, SMA male, 3 m cable) // RS485 connector block // I/O connector block // Ethernet cable (1.5 m) // SIM Adapter kit // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Mediatek MIPS 24Kc 580 MHz
Storage	16 MB Flash
Memory	128 MB RAM
Powering option	4pin power socket, 9-30 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi, 1 x SMA for GPS
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output On 10pin socket: 1 x Isolated digital input, 1 x Digital dry input, 1 x Analog input, 1 x Isolated open collector output (requires external voltage), 1 x Relay output (non-latching)
Serial	1 x RS232, 1 x RS485
Other	1 x USB host
Status LEDs	1 x Bi-Color connection type, 5 x Signal strength, 4 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option, plastic panels with flat mounting option
Dimensions (W x H x D)	110 x 50 x 100 mm
Weight	287 g

# SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Band lock, SIM switch, Operator black/white list, Data/SMS limits
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus

## CELLULAR // ROUTERS



# RUTX09

### INDUSTRIAL CELLULAR ROUTER

RUTX09 is an LTE-A Cat 6 cellular IoT router with dual-SIM, Carrier Aggregation, and four Gigabit Ethernet interfaces. Designed as a primary or backup internet source, it can offer up to 300 Mbps cellular speeds, with high data throughput.

### 4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### GIGABIT ETH

4 x Gigabit Ethernet ports with up to 128 port/tag-based VLANs supported

### GNSS

Global Navigation Satellite System for location services and time synchronization

### STANDARD PACKAGE CONTAINS:

RUTX09 // 18 W PSU // 2 x LTE antennas (swivel, SMA male) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 6), 3G
CPU	Qualcomm, 4 x ARM Cortex A7, 717 MHz
Storage	256 MB Flash
Memory	256 MB RAM
Powering option	4pin power socket, 9-50 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 1 x SMA for GPS
Ethernet	4 x 10/100/1000 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
Other	1 x USB host
Status LEDs	3 x WAN type, 2 x Connection type, 5 x Signal strength, 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 (W x H x D)	115 x 44.2 x 95.1 mm
Weight	455 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 protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Network	Failover (Network backup), VLAN, QoS, Load Balancing
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, WireGuard, ZeroTier
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Network shares (Samba), Traffic Logging
Administration	Multi user, Configuration profiles, Diagnostics, logs, Configuration backup

## CELLULAR // ROUTERS



# RUTX11

## INDUSTRIAL CELLULAR ROUTER

This powerful LTE Cat 6 cellular industrial router is designed for professional applications requiring reliable, fast connection and high data throughput. It is equipped with four Gigabit Ethernet ports, AC Wi-Fi, Bluetooth LE, and comes with remote management capabilities of RMS.

### 4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### WI-FI & BT

Wave-2 802.11ac Dual Band WiFi and Bluetooth LE

### GIGABIT ETH

4 x Gigabit Ethernet ports with up to 128 port/tag-based VLANs supported

## STANDARD PACKAGE CONTAINS:

RUTX11 // 18 W PSU // 2 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (swivel, RP-SMA male) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // 1 x Bluetooth antenna (magnetic mount, RP-SMA male, 1.5 m cable) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 6), 3G
CPU	Qualcomm, 4 x ARM Cortex A7, 717 MHz
Storage	256 MB Flash
Memory	256 MB 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 44.2 x 95.1 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, 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

## CELLULAR // ROUTERS



# RUTX12

### DUAL LTE CAT 6 INDUSTRIAL CELLULAR ROUTER

This powerful dual LTE Cat 6 router is a great fit for mission-critical applications. Two cellular modems for dual simultaneous connections, seamless mobile service switching and load balancing features make this device irreplaceable in applications where losing connection is not an option.

### DUAL LTE

Cellular speeds up to 600Mbps with dual simultaneous LTE CAT 6 connections

### DUAL SIM

Instant failover switching

### WI-FI & BT

Wave-2 802.11ac Dual Band WIFI and Bluetooth LE

### LOAD BALANCING

Allows to use multiple WAN sources to increase throughput

### STANDARD PACKAGE CONTAINS:

RUTX12 // 24 W PSU // 4 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // 1 x Bluetooth antenna (magnetic mount, RP-SMA male, 1.5 m cable) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	2 X 4G/LTE (Cat 6), 3G
CPU	Qualcomm, 4 x ARM Cortex A7, 717 MHz
Storage	256 MB Flash
Memory	256 MB RAM
Powering option	4pin power socket, 9-50 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	4 x SMA for mobile, 2 x RP-SMA for WiFi, 1 x RP-SMA for Bluetooth, 1 x SMA for GPS
Ethernet	5 x 10/100/1000 Ethernet ports: 1 x WAN (configurable as LAN), 4 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, 6 x Connection type, 6 x Signal strength, 2 x WiFi, 10 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option and grounding capability
Dimensions (W x H x D)	132 x 44.2 x 95.1 mm
Weight	540 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
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Hotspot	External/Internal Radius, SMS OTP, MAC authentication, Walled Garden
Supported Hotspot platforms	IronWiFi, HotspotSystem, Cloud4Wi, SAI + WiFi, MugiCloud, Purple.ai

CELLULAR // ROUTERS



# RUTX14

## 4G LTE CAT 12 INDUSTRIAL CELLULAR ROUTER

RUTX14 is the fastest single modem LTE-A Cat 12 router in the Teltonika Networks product range. With two SIM cards, Wave-2 dual-band Wi-Fi, five Gigabit Ethernet ports, and automatic failover, you may expect high compatibility, unbeatable network resilience, and exceptional speed.

### 4G LTE CAT12

Incredible download & upload speeds with carrier aggregation (up to 600 Mbps / 150 Mbps respectively)

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### WI-FI & BT

Wave-2 802.11ac Dual Band WIFI and Bluetooth LE

### GIGABIT ETH

5 x Gigabit Ethernet ports with up to 128 port/tag-based VLANs supported

### STANDARD PACKAGE CONTAINS:

RUTX14 // 24 W PSU // 4 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // 1 x Bluetooth antenna (magnetic mount, RP-SMA male, 1.5 m cable) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 12)
CPU	Qualcomm, 4 x ARM Cortex A7, 717 MHz
Storage	256 MB Flash
Memory	256 MB RAM
Powering option	4 pin power socket, 9-50 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	4 x SMA for mobile, 2 x RP-SMA for WiFi, 1 x RP-SMA for Bluetooth, 1 x SMA for GPS
Ethernet	5 x 10/100/1000 Ethernet ports: 1 x WAN (configurable as LAN), 4 x LAN
WiFi	IEEE 802.11b/g/n 2.4GHz, IEEE 802.11n/ac 5GHz, Access point (AP), Station (STA)
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Connectors	1 x 4 pin DC, 5 x Ethernet, 4 x SMA for LTE, 2 x WiFi RP-SMA, 1 x SMA for GNSS, 1 x RP-SMA for Bluetooth
Bluetooth	4.0 (Low energy)
Inputs/Outputs	On 4 pin socket: 1 x Digital input, 1 x Digital open collector output
Other	1 x USB host, 1 x Grounding screw
Status LEDs	4 x WAN type, 2 x Connection type, 3 x Signal strength, 2 x WiFi, 10 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option and grounding capability
Dimensions (W x H x D)	132 x 44.2 x 95.1 mm
Weight	515 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
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Hotspot	External/Internal Radius, SMS OTP, MAC authentication, Walled Garden
Supported Hotspot platforms	IronWiFi, HotspotSystem, Cloud4Wi, SAI + WiFi, MugiCloud, Purple.ai

CELLULAR // ROUTERS



# RUTXR1

ENTERPRISE SFP/LTE RACK MOUNT READY ROUTER

The first rack-mountable LTE Cat 6 router in the Teltonika Networks portfolio comes with redundant power supplies, WAN failover, dual-SIM, SFP, USB, and dedicated console ports. This feature-rich device with highly customizable and powerful RutOS is perfect where a fast and ultra-reliable connection is needed.

## 4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

## SFP

SFP port for long-range Fiber-optic communication

## WI-FI

Wave-2 802.11ac Dual Band WIFI

## DUAL POWER

Dual Power supply compatibility ensures uninterrupted service

### STANDARD PACKAGE CONTAINS:

RUTXR1 // 18 W PSU // 2 x LTE antennas (magnetic mount, SMA male, 3 m cable) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // 1 Rack - mounting kit // 4 x Standing pads // 8 x Screws // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 6), 3G
CPU	QualcomStorageARM Cortex A7, 717 MHz
Storage	256 MB Flash
Memory	256 MB RAM
Powering option	4pin power socket, 9-50 VDC (main) 4pin power socket, 9-50 VDC (redundant)
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi
Ethernet	5 x 10/100/1000 Ethernet ports: 1 x WAN (configurable as LAN), 4 x LAN
WiFi	IEEE 802.11a/b/g/n/ac 2.4GHz/5GHz, Access point (AP), Station (STA)
Other	1 x USB host, 1 x SFP, 1 x RS232 console
Status LEDs	2 x WAN type, 2 x Connection type, 3 x Signal strength, 2 x SIM, 2 x Console, 10 x Ethernet, 2 x Power
Operating temperature	-40 °C to 75 °C
Housing	Full aluminium rack unit housing with grounding capability
Dimensions (W x H x D)	272 x 42.6 x 122.6 mm
Weight	1050 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 protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
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
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Network shares (Samba), Traffic Logging

## CELLULAR // ROUTERS

# TCR100

### 4G WI-FI ROUTER FOR HOME USER

Extensive industrial IoT experience brought to our home users. This LTE-A Cat 6 router also offers dual-band Wi-Fi and two Ethernet ports to connect devices. Featuring Wi-Fi and Wi-Fi Protected buttons for quick setup, this router is simple to use yet enables high customizability for advanced users with RUTOS.

### 4G LTE-ADVANCED

LTE CAT6 enables cellular speeds up to 300Mbps with carrier aggregation

### WI-FI

Dual-Band with 2.4 GHz & 5.0 GHz frequencies

### SECURE

Firewall and numerous VPN services including OpenVPN, IPsec, PPTP, L2TP & DMVPN

### RUTOS

Powerful OS with intuitive UI based on OpenWrt empowers endless configuration possibilities.

### STANDARD PACKAGE CONTAINS:

TCR100 // 18 W PSU // 2 x LTE antennas (swivel, SMA male) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# HARDWARE



Mobile	4G/LTE (Cat 6), 3G
CPU	Qualcomm, MIPS 24Kc, 650 MHz
Memory	16 MBytes Flash, 128 MBytes RAM
Powering option	4pin power socket, 9-30 VDC
SIM	1 x External SIM holder (2FF)
Antenna connectors	2 x SMA for mobile
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
WiFi	2.4 GHz (802.11 b/g/n, 2x2 MIMO), 5 GHz (802.11 ac, 1x1 MIMO), Access Point (AP), Station (STA)
Status LEDs	1 x Internet, 1 x WiFi, 3 x Mobile connection strength, 2 x Ethernet status
Operating temperature	-40 °C to 75 °C
Housing	Plastic housing with aluminum screws and heatsink
Dimensions (W x H x D)	150 x 37 x 105 mm
Weight	376 g

# SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Auto APN, Band lock
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

# SAFE AND SIMPLE TO SET UP HOME NETWORK WITH TCR100



## // SMART CITY

Our households continue transforming into living and breathing technological ecosystems as more smart devices enter our lives. You may have an automated conditioning system that only turns on at certain times to save energy or turn on your robot vacuum cleaner while at work. That is no longer science fiction but a current-day reality.

### SOLUTION

With the first-ever consumer router from Teltonika Networks, you get a user-friendly solution for setting up your home connectivity. Even in remote areas, you can enjoy stable internet, as TCR100 offers 4G cellular connectivity without compromising your speed. It is a perfect choice, even when a wired connection is impossible.

In this use case, two Ethernet ports accommodate a smart TV and an NVR that stores video feed from connected IP cameras. The rest of the devices like a smart fridge, laptop, AC, and alarm systems connect to the network wirelessly. The data from connected equipment can be helpful to optimize your IoT setup. Unlike standard home routers, the TCR100 can support over 50 devices simultaneously, thanks to the applied know-how from the industrial sector.

TCR100 is easy to set up. It features Wi-Fi and Wi-Fi Protected buttons for wireless network access within a click. Besides, a user-friendly WebUI provides rich customization options, a pre-configured firewall, and guest Wi-Fi to ensure the security of your home network. On top of that, periodical firmware updates eliminate vulnerabilities and bring new functionality.

### BENEFITS

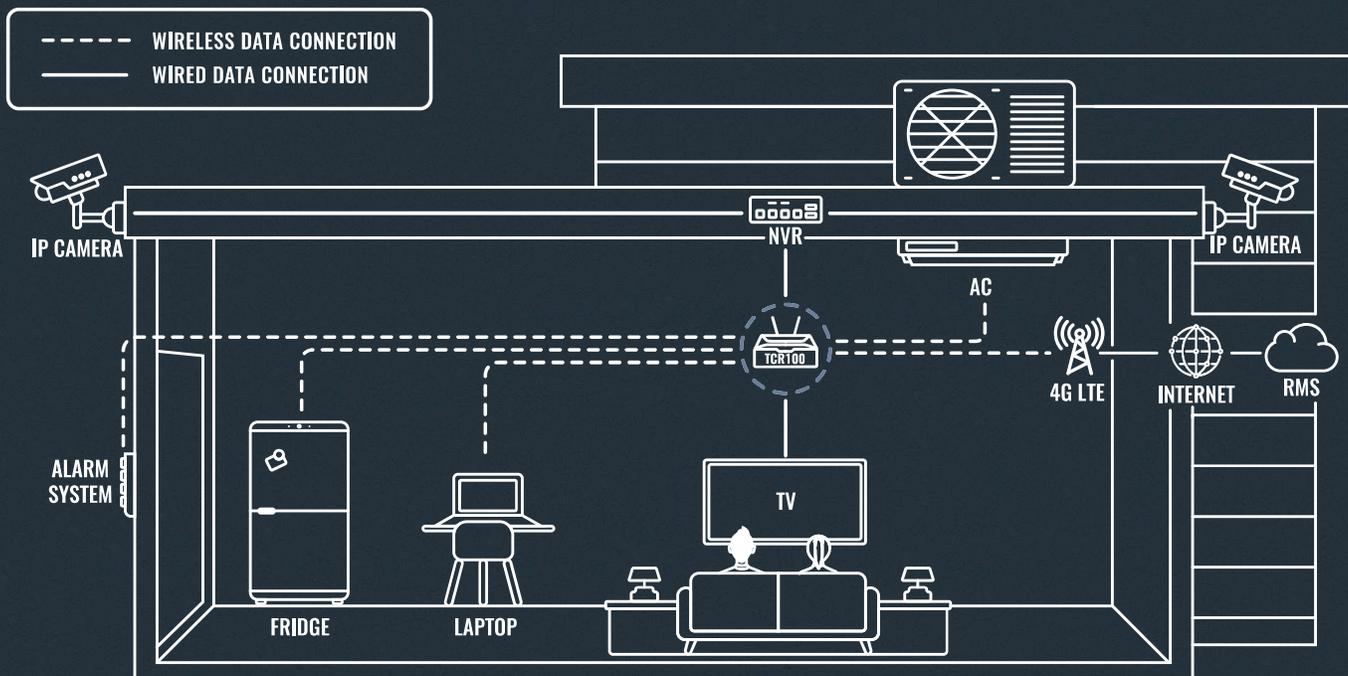
/4G Cat6 technology and Dual-band Wi-Fi offer excellent wireless performance for all connected devices, even in remote locations.

/RutOS is friendly for newcomers yet full of customization possibilities for advanced users.

/TCR100 is simple to set up, even for beginners.

/This model has Wi-Fi and Wi-Fi Protected buttons for easy wireless network access.

/TCR100 receives periodical firmware downloads, bringing enhanced security and new features to your home router.



# WIRELESS BROADBAND CONNECTIVITY FOR GAS STATIONS



// RETAIL

Despite growing awareness regarding global warming and the greenhouse effect, gasoline and diesel remain the most common fuels today. Besides, the times when gas stations had only one purpose of supplying gasoline been long gone. Nowadays, they are multifunctional zones that often include convenience stores, cafes, resting areas, restrooms, and more. The number of gas stations is still growing in a lot of places around the world: some are in the cities and some - in remote areas. This variety comes with a set of connectivity challenges.

## SOLUTION

RUTX14 router is the central piece of this solution. This first-ever LTE Cat 12 cellular router in our portfolio enables quick and easy deployment in any situation, even in remote areas. Opting for wireless cellular connectivity reduces the complexity of the solution, so it takes significantly less time and installation resources. Cat 12 router can reach speeds up to 600 Mbps, which is enough to serve the varied needs of devices used in similar environments.

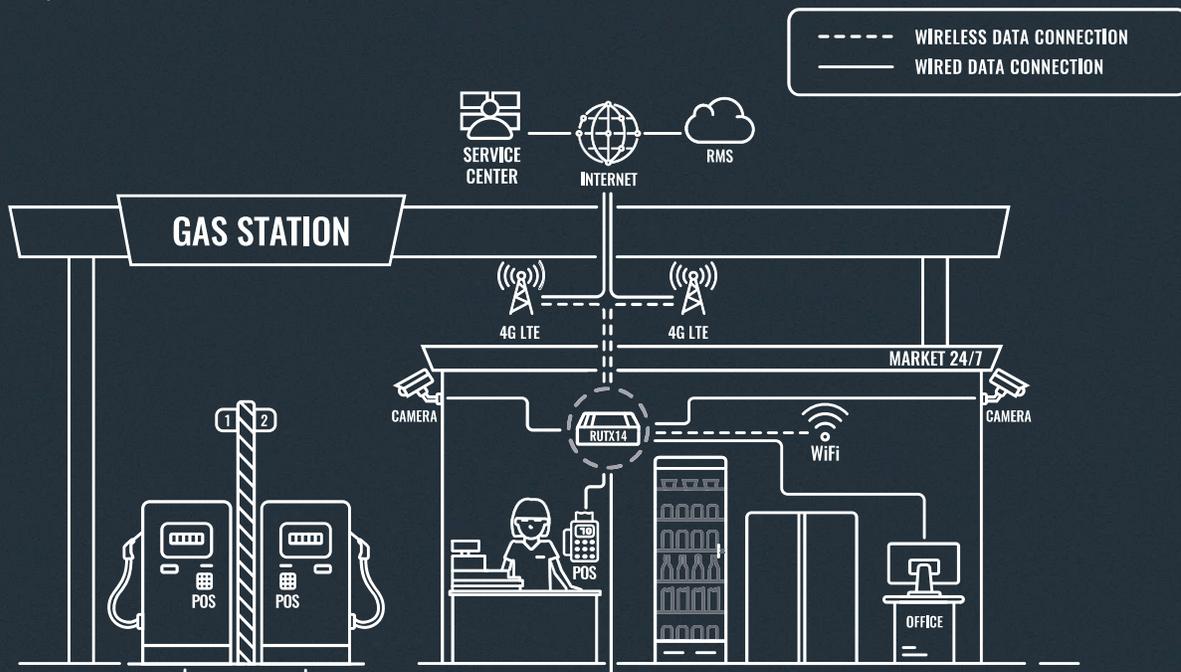
Surveillance cameras inside and outside the petrol station, Points of Sale (POS), digital signage screens require speedy connection, network stability, and broad data bandwidth. These devices connect

to the router via Ethernet cables through five available Gigabit ports available on RUTX14. Product scanners, tablets, and other wireless devices used for work purposes connect to a private WIFI network for security reasons. There is a separate public Guest WIFI created for the visitors. A wide selection of VPN services ensures that the most varied security requirements and preferences are met.

For an even more simplified solution, our TSW100 switch can power up the cameras via PoE. Compatibility with RMS and various other IoT platforms enables remote accessibility for IT support teams and various integrators to prevent any downtime and solve issues immediately and cost-efficiently.

## BENEFITS

- /Speedy connection with download speeds up to 600 Mbps and upload speeds up to 150 Mbps.
- /Quick and straightforward setup for an all-in-one solution to connect an ecosystem of multiple devices.
- /Multiple WANs and various VPNs to secure your network.
- /Remote management and monitoring via RMS or a variety of third-party IoT platforms.







# ACCESSORIES / POWERING OPTIONS



**EU power supply, 9 W**  
Order code: PR3PUEU3



**UK power supply, 9 W**  
Order code: PR3PUUK3



**AU power supply, 9 W**  
Order code: PR3PUAU3



**US power supply, 9 W**  
Order code: PR3PUUS3



**EU 2-pin power supply, 9 W**  
Order code: PR3PREU6



**UK 2-pin power supply, 9 W**  
Order code: PR3PRUK6



**AU 2-pin power supply, 9 W**  
Order code: PR3PRAU6



**US 2-pin power supply, 9 W**  
Order code: PR3PRUS6



**EU power supply, 18 W**  
Order code: PR3PXEU3



**UK power supply, 18 W**  
Order code: PR3PXUK3



**AU power supply, 18 W**  
Order code: PR3PXAU3



**US power supply, 18 W**  
Order code: PR3PXUS3



**EU power supply, 24 W**  
Order code: PR3P2EU3



**UK power supply, 24 W**  
Order code: PR3P2UK3



**AU power supply, 24 W**  
Order code: PR3P2AU3



**US power supply, 24 W**  
Order code: PR3P2US3

# ACCESSORIES / POWERING OPTIONS



**EU Power supply, 50 V, 1.3 A**  
Order code: PR3PWEU3



**UK Power supply, 50 V, 1.3 A**  
Order code: PR3PWUK3



**US Power supply, 50 V, 1.3 A**  
Order code: PR3PWUS3



**Universal power supply, 9 W**  
Order code: PR3PUPS3



**4-pin to barrel socket adapter**  
Order code: PR2PD01B



**4-pin power adapter with I/O access**  
Order code: PR5MEC21



**Automotive power supply**  
Order code: PR2AM20M



**Power cable whit 4-way screw terminal**  
Order code: PR2FK20M



**Power cable whit 4-way open wire**  
Order code: PR2PL15B



**4-pin plug with contact terminals**  
Order code: PR4MK04K



**DIN Rail power supply**  
Order code: PR3PDNP0

# ACCESSORIES / ANTENNA OPTIONS



**COMBO MIMO mobile/GNSS/  
WiFi ROOF SMA antenna**  
Order code: PR1KCO28



**COMBO QUAD mobile/GNSS  
ROOF SMA antenna**  
Order code: PR1KCL28



**COMBO SISO mobile/GNSS/  
WiFi ROOF SMA antenna**  
Order code: PR1KCS28



**COMBO MIMO mobile  
ROOF SMA antenna**  
Order code: PR1KCL25



**Mobile magnetic SMA  
antenna**  
Order code: PR1KS210



**Mobile SMA antenna**  
Order code: PR1US440



**WiFi magnetic SMA antenna**  
Order code: PR1KRF30



**WiFi SMA antenna**  
Order code: PR1URF51



**Bluetooth magnetic SMA  
antenna**  
Order code: PR1KRT25



**GNSS Adhesive SMA  
antenna**  
Order code: PR1KSG30



**Mobile adhesive sma  
antenna**  
Order code: PR1AS420



**WiFi dual-band SMA  
antenna**  
Order code: PR14RD35



**WiFi dual-band magnetic  
antenna**  
Order code: PR1KRD30



**Angled Compact Mobile  
antenna**  
Order code: PR1US450



**Straight Compact Mobile  
antenna**  
Order code: PR1CS450