



# THE CONNECTIVITY BLUEPRINT

Use case catalogue | 2026

ENABLING YOUR VISION OF TOMORROW

# A WORLD OF INTERCONNECTIVITY

At the heart of technological innovation is the interconnection of all things. An Internet of Things. Teltonika is proud to expertly facilitate this robust connectivity in every industry and sector, creating the landscape of IoT and M2M communication via the ingenuity of our partners' networking solutions.

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# INDUSTRIAL & AUTOMATION

Industry 4.0 is inseparable from IoT. Manufacturers, integrators, and engineers worldwide choose Teltonika networking devices to enable Industrial solution, encompassing automation, AI, robotics, M2M communication, and predictive maintenance.





# THE RUT906 INDUSTRIAL ROUTER FOR CIVIL ENGINEERING CONNECTIVITY

## HIGHLIGHTS

- ⚡ Civil engineering projects require continuous, reliable monitoring to detect early signs of structural instability and prevent costly failures, yet traditional methods often fall short in remote or harsh environments.
- ⚡ **SAS Soletanche Freyssinet** developed a portable, self-sufficient monitoring and control unit capable of capturing and transmitting real-time data from strain gauges, displacement transducers, and vibration sensors – even in isolated locations.
- ⚡ Teltonika's RUT906 industrial router provides stable and secure IoT connectivity with Dual SIM, failover, industrial IoT protocol support. RS232 port enables direct sensor communication and legacy device integration, as well as seamless integration with the Remote Management System (RMS).

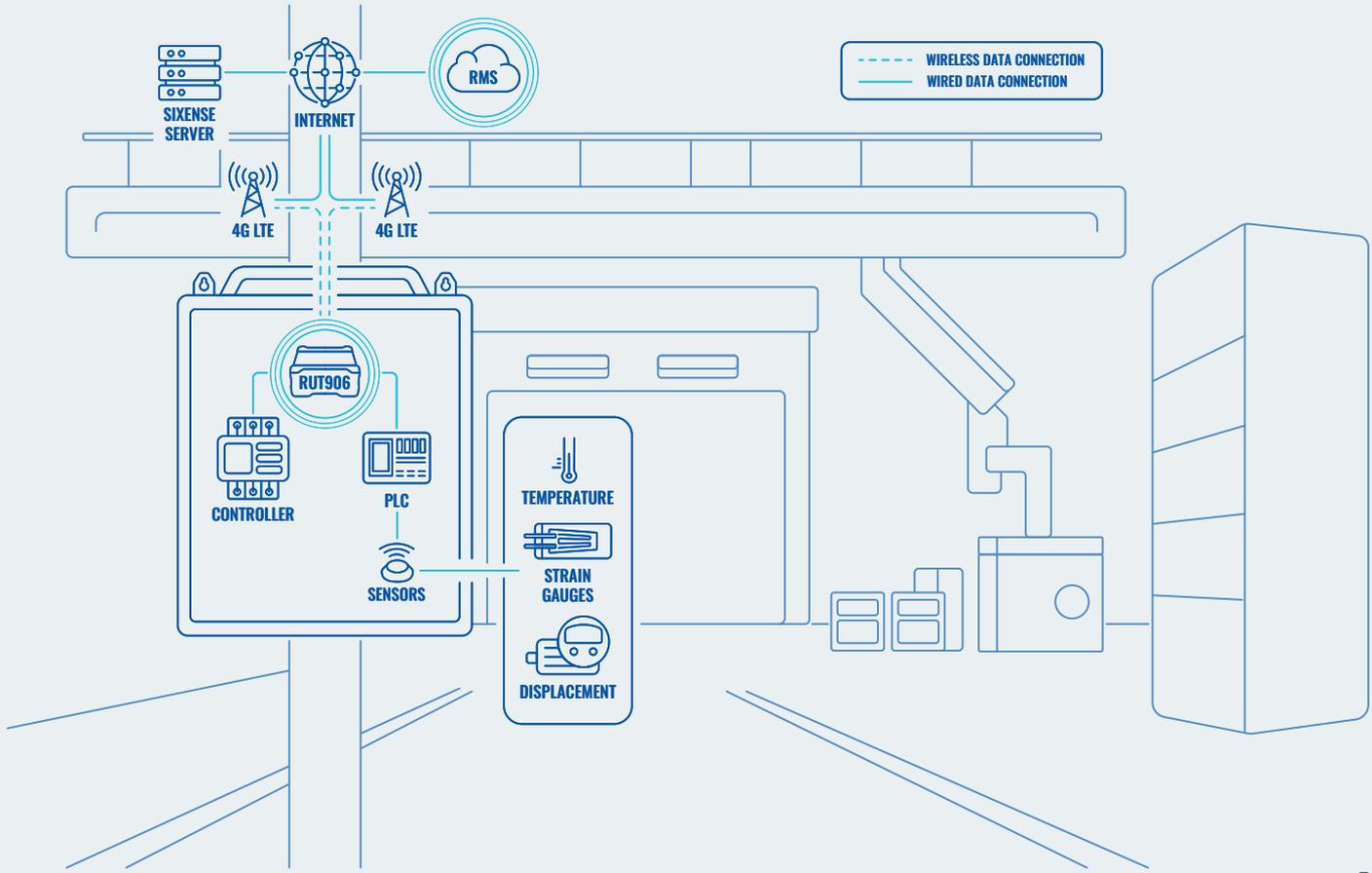
## PRODUCT

RUT906 is a dual SIM cellular 4G router, supporting RS232 and RS485 serial interfaces, industrial protocols, and GNSS.



IN PARTNERSHIP WITH:







# MOBILE ROUTERS POWERING SCALABLE GRAIN SILO CONNECTIVITY

## HIGHLIGHTS

- ⚡ Tois, s.r.o., a Slovakian IoT solutions provider, in cooperation with **Slovak Telekom**, a.s., integrates over 200 Teltonika mobile routers in agricultural, pharmaceutical, and energy management projects.
- ⚡ The RUT956 and RUT200 mobile routers and TRB140 industrial gateway were selected for their reliable cellular data transmission and Modbus protocol support via RS485 and LAN interfaces.
- ⚡ Teltonika's Data to Server feature ensures seamless data transfer via REST API to a centralised IoT platform, enabling real-time monitoring and predictive maintenance of grain silos.

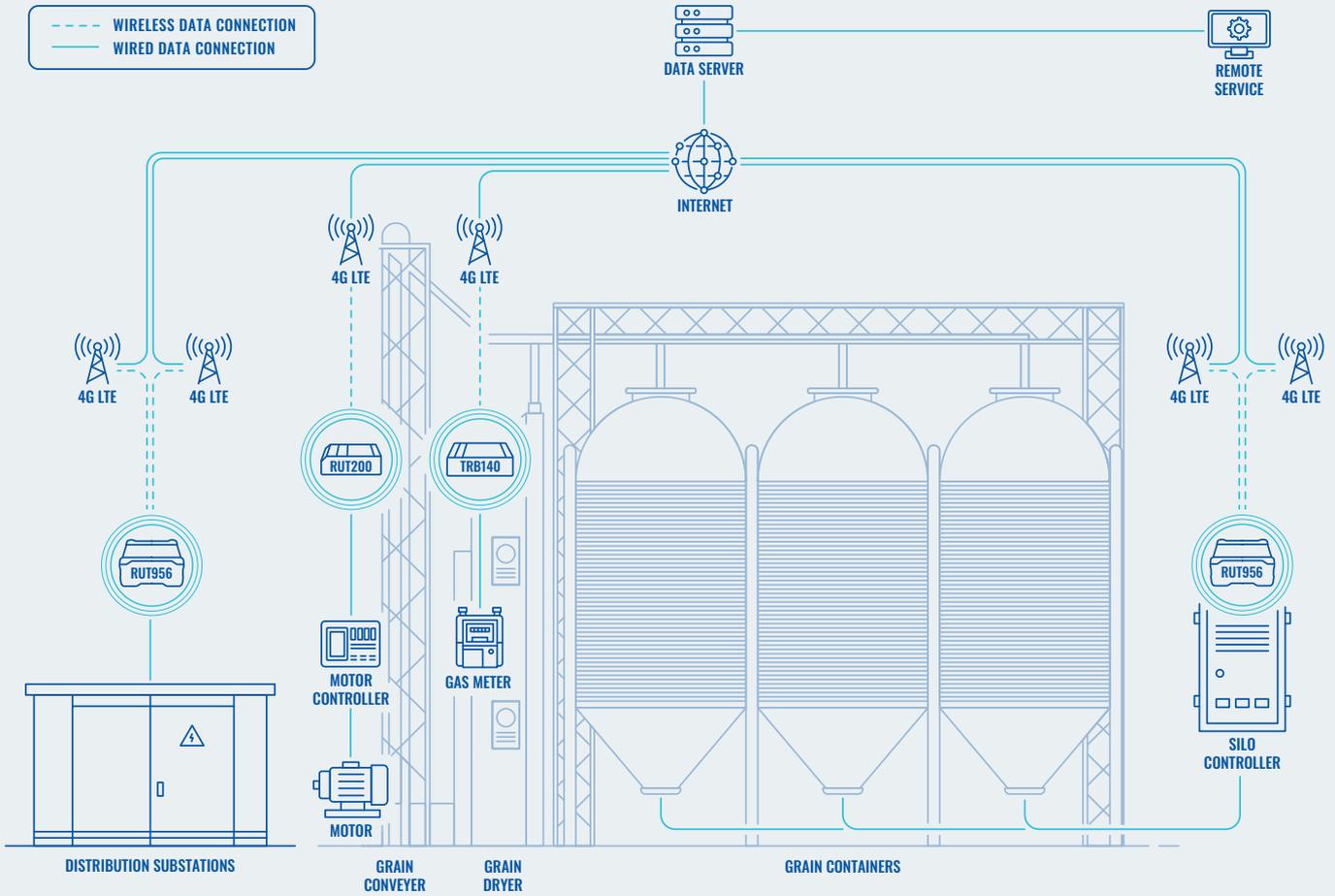
## PRODUCT

RUT956 is a dual-SIM cellular router with auto-failover, a wide range of protocol support, as well as RS232 and RS485 interfaces.



IN PARTNERSHIP WITH:







# 4G ROUTER FOR TSF SAFETY IN AUSTRALIAN MINES

## HIGHLIGHTS

- ⚡ **Hermes & Soteria** is an Australian innovator in real-time TSF health monitoring, designed specifically for the mining sector.
- ⚡ Their advanced solution requires a robust, secure connectivity device for communication between subsurface sensors, data loggers, and cloud dashboards.
- ⚡ The ideal solution: The RUT956 4G router, selected for its robust security, seamless integration with existing systems, and reliable connectivity, perfect for the demanding conditions of Australian mines.

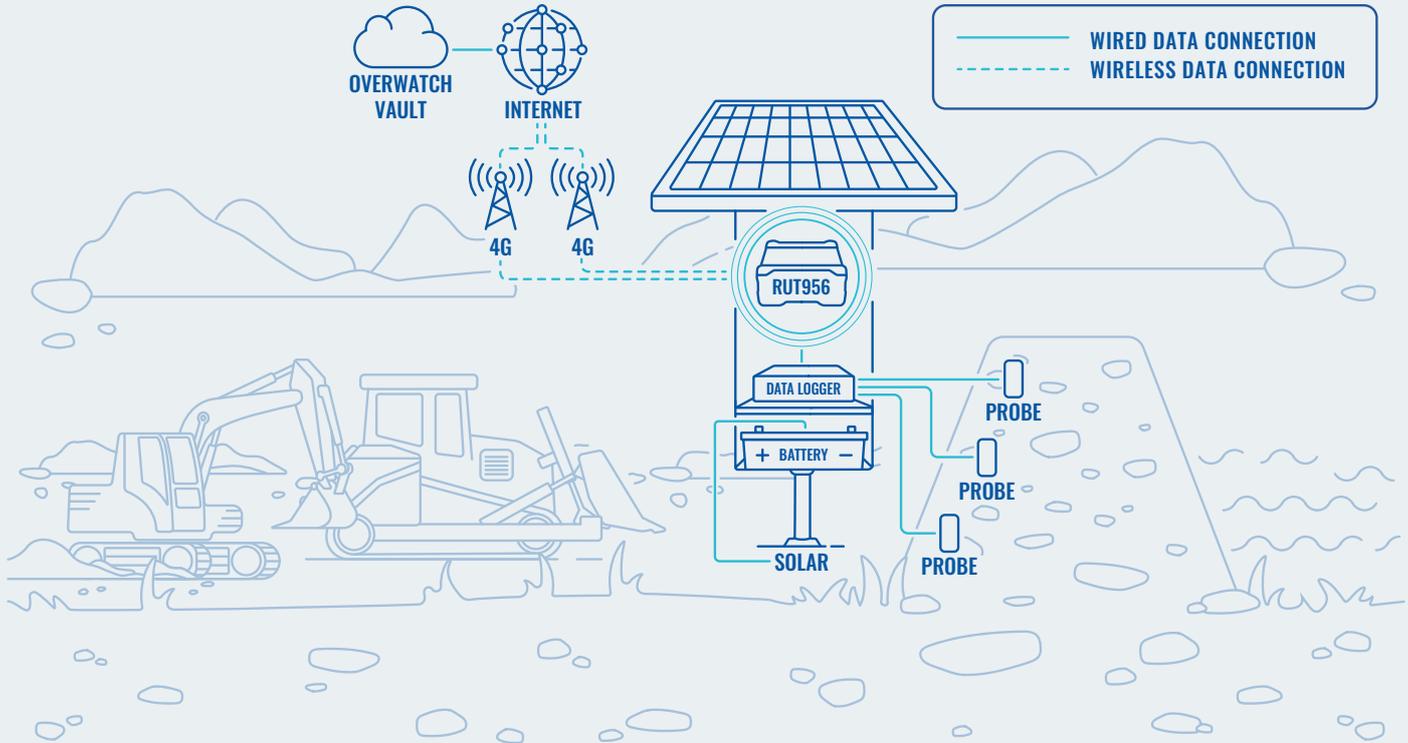
## PRODUCT

RUT956 is a dual-SIM cellular router with auto-failover, a wide range of protocol support, as well as RS232 and RS485 interfaces.



IN PARTNERSHIP WITH:







# CELLULAR ROUTER FOR AUTONOMOUS ROBOTIC VEHICLE CONNECTIVITY

## HIGHLIGHTS

- ⚡ **COMING**, one of the leading ICT companies in Serbia, partnered with academic experts from the University of Niš to develop AgAR, an autonomous robotic vehicle designed for small and medium-sized farms.
- ⚡ To ensure stable communication among the robot's key components, including navigation systems, sensor arrays, and onboard processing units, while maintaining connectivity with remote servers and operators, a powerful networking device was needed.
- ⚡ To meet the demands of robust, real-time connectivity in rugged agricultural settings, Teltonika's RUT901 cellular router and TSW210 Ethernet switch were selected.

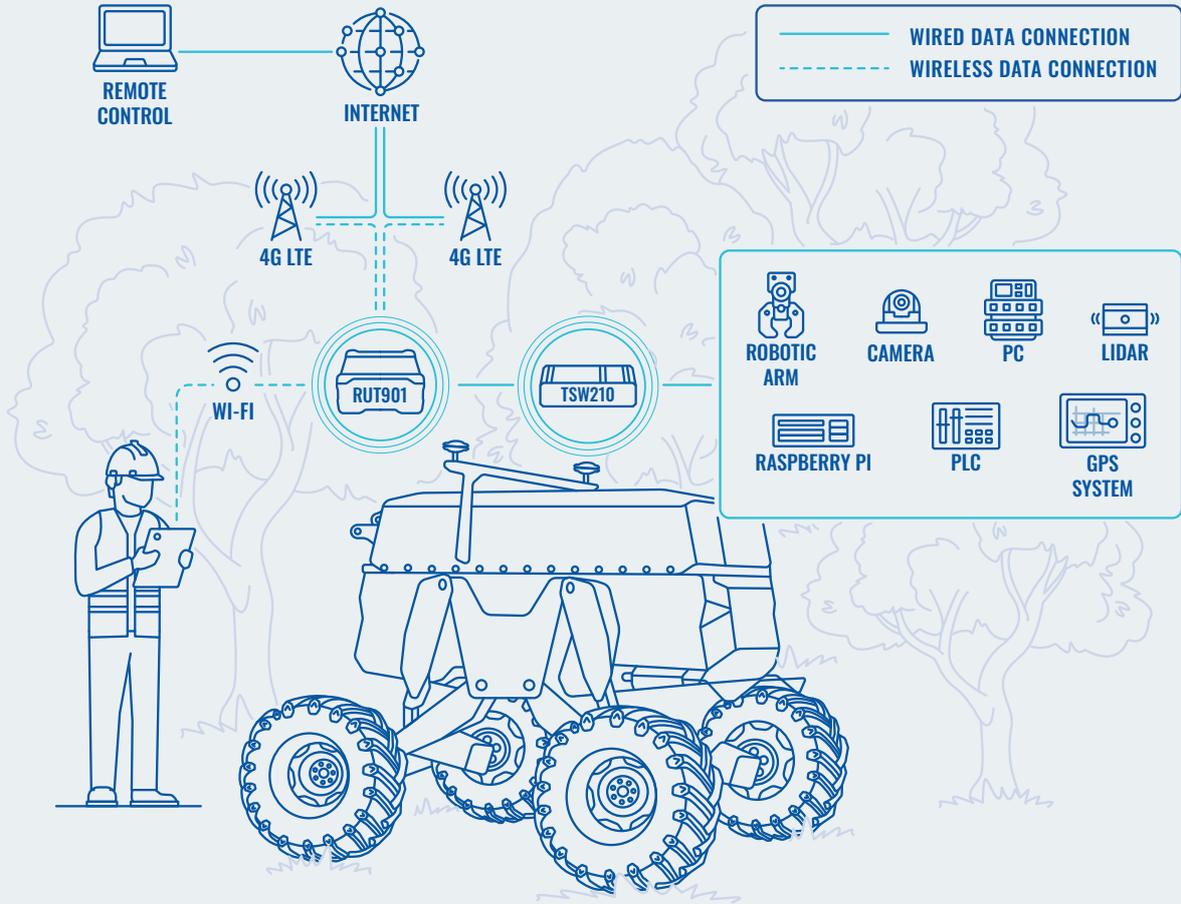
## PRODUCT

RUT901 is a 4G router with dual SIM, Wi-Fi, supporting multiple industrial protocols including MQTT, Modbus TCP, and DNP3.



IN PARTNERSHIP WITH:







# EASY & CUSTOMISABLE REMOTE CAPABILITIES FOR SIEMENS PLCs

## HIGHLIGHTS

- **Master Chips** is a distributor of electronic components in the Belgian and Dutch markets with over 30 years of market experience. It maintains a strong focus on IoT and M2M communication and connectivity.
- Enabling remote capabilities to Siemens PLCs requires costly licenses. Seeing this growing market need, Master Chips set out to create a solution that would bypass this restriction.
- With some help from our R&D team, Master Chips developed a customized Python code for our RUT956 that provides end clients with easy, direct, and fully-customisable remote access to and management capabilities of Siemens PLCs.

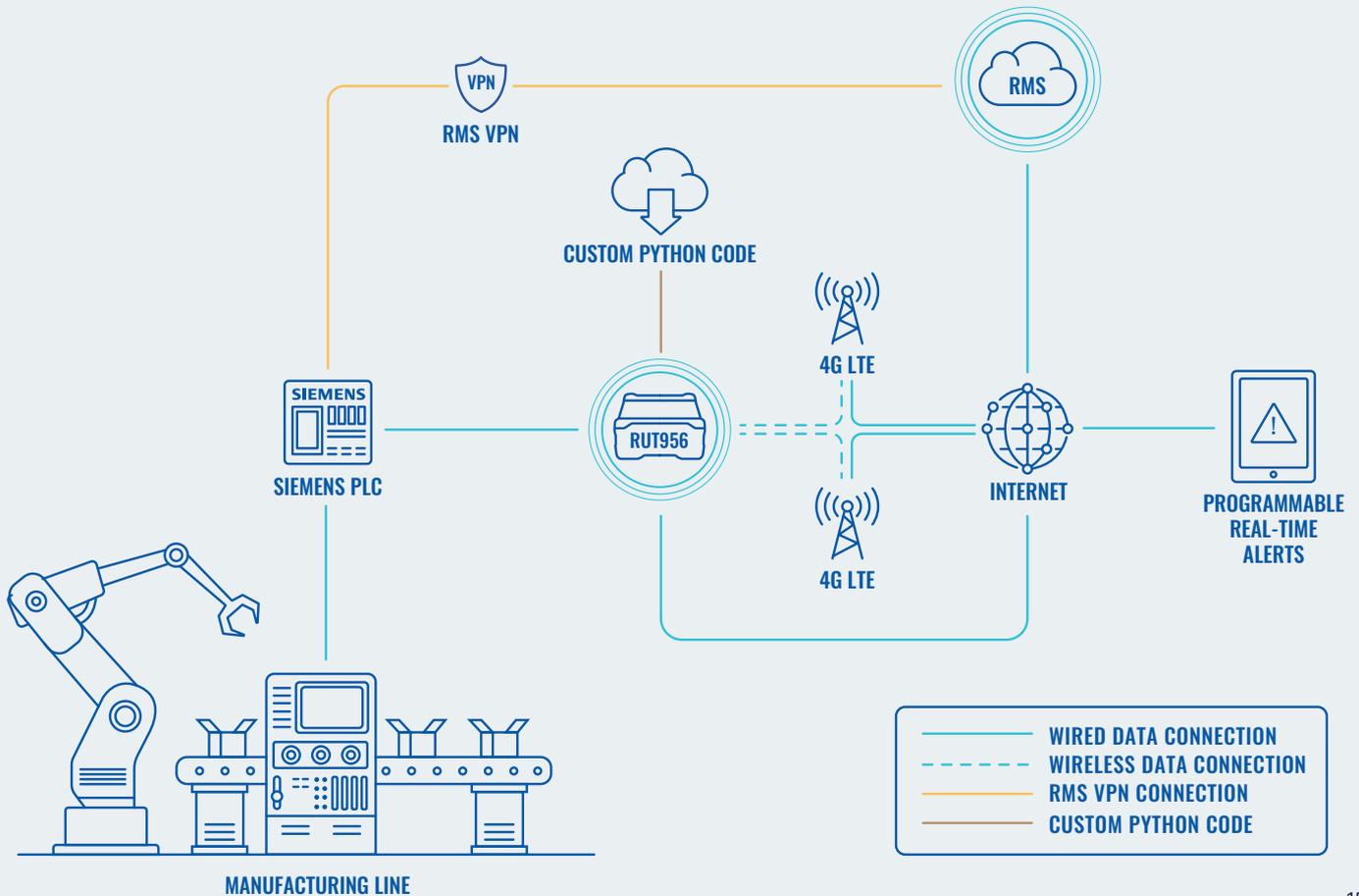
## PRODUCT

RUT956 is a dual-SIM cellular router with auto-failover, a wide range of protocol support, as well as RS232 and RS485 interfaces.



IN PARTNERSHIP WITH:







# RASPBERRY PI CONNECTIVITY FOR IOT PREDICTIVE MAINTENANCE

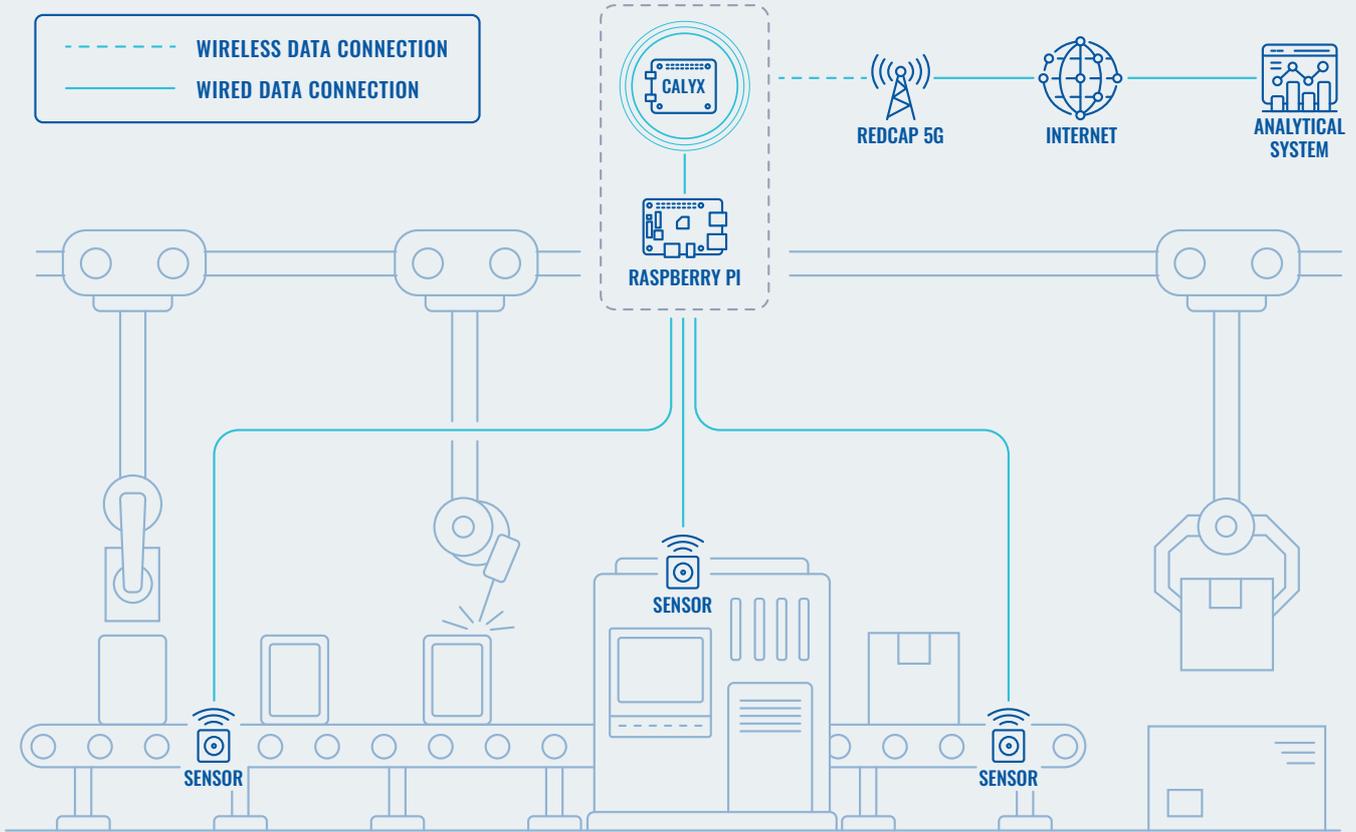
## HIGHLIGHTS

- IoT predictive maintenance (PdM) is crucial for reducing costly downtime and equipment failure in manufacturing environments.
- Edge Data Processing and local Machine Learning on the Raspberry Pi analyse sensor data and send only critical anomalies, which drastically minimizes data transmission.
- The Teltonika Calyx Embedded Cellular Raspberry Pi HAT+ mounts seamlessly on the Pi 4/5, offering a space-saving, low-profile alternative to bulky M.2 or external cellular solutions.
- The 5G Redcap Calyx provides resilient, future-proof Raspberry Pi connectivity for real-time alerts and remote monitoring, featuring GPIO control for advanced power management.

## PRODUCT

CALYX is an embedded Raspberry pi HAT+ with 4G Cat 4, 5G, and 5G Redcap connectivity options, GPIO modem control & PCM.





# ENERGY & UTILITIES

Energy efficiency is the infrastructure of the future. From fleets of submetering systems and lift stations to far-reaching wind and solar farms, Teltonika networking products are the connectivity lifeblood of efficient energy and utility operations.





# INTELLIGENT SOLAR ENERGY MANAGEMENT WITH THE RUTC41 EDGE ROUTER

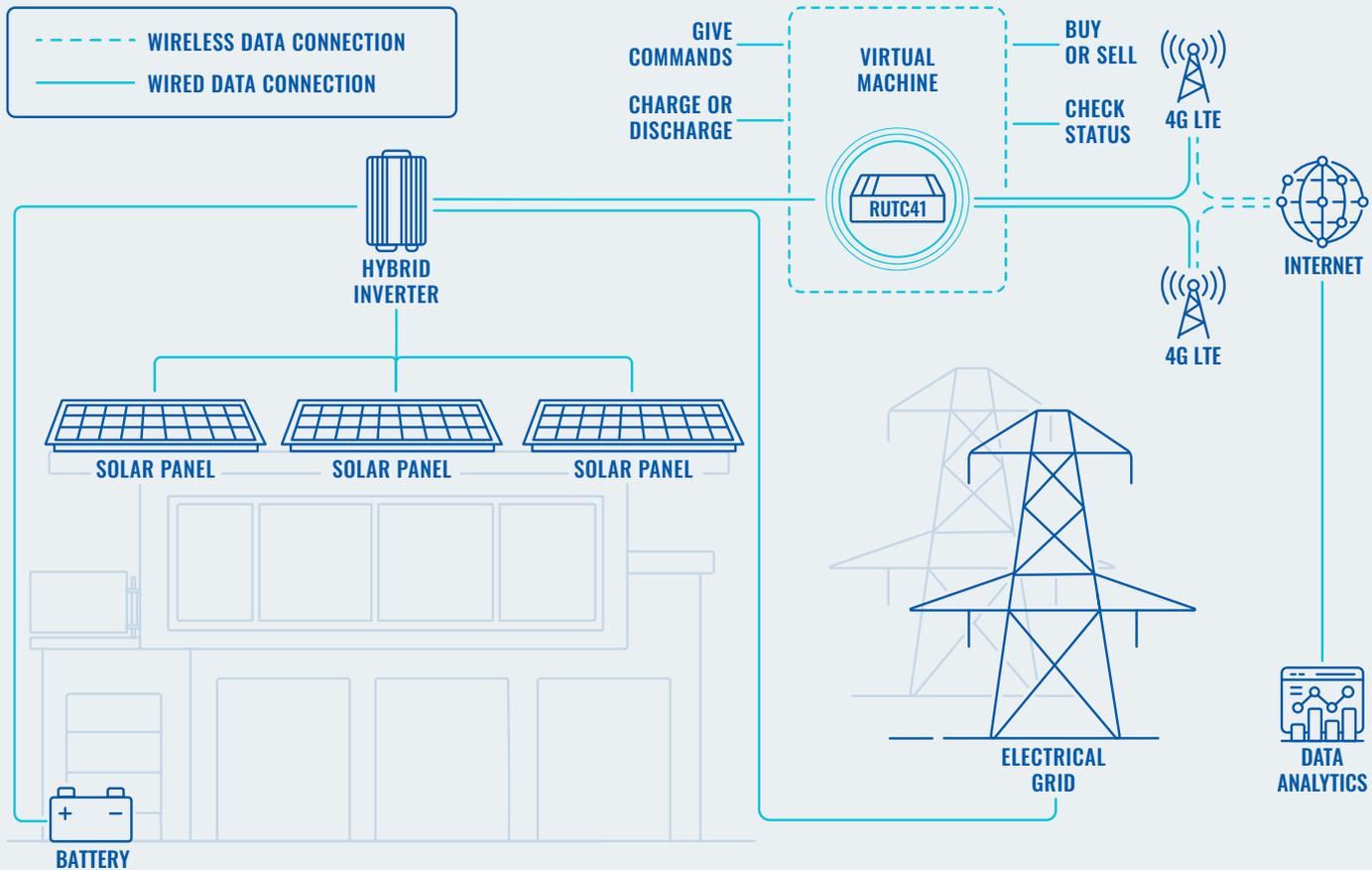
## HIGHLIGHTS

- Solar energy systems must react to rapidly changing electricity prices and fluctuating production conditions, yet traditional inverter logic and cloud-dependent platforms cannot make timely or reliable optimisation decisions.
- The RUTC41 4G edge router provides a stable on-site control layer capable of interpreting real-time data, maintaining autonomy during connectivity loss, and enabling intelligent optimisation without relying on the cloud.
- Leveraging its high-performance architecture, the RUTC41 supports Docker containers and enables direct data exchange with the inverter while securely forwarding operational information to remote analytics platforms.

## PRODUCT

RUTC41 is a 4G edge router with dual-core CPU, 1GB RAM, 8 GB flash memory, Docker support, and Wi-Fi 6.







# STARLINK AND TELTONIKA ENABLE REMOTE MONITORING FOR AUSTRALIAN WIND ENERGY PROJECTS

## HIGHLIGHTS

- **SunStore Australia** has created off-grid scouting stations to meet the wind energy sector's need for accurate site evaluation in remote Australian locations.
- Teltonika's RUTX10 router was chosen for its reliability, security features, and seamless integration with Starlink satellite connectivity, ensuring remote operation.
- The RUTX10 supports firewall protection, Modbus integration, MQTT data transmission, and remote access through ZeroTier, creating a robust monitoring system.
- Outcome: A highly secure and reliable solution enabling wind data collection and remote trailer management in some of Australia's most remote regions.

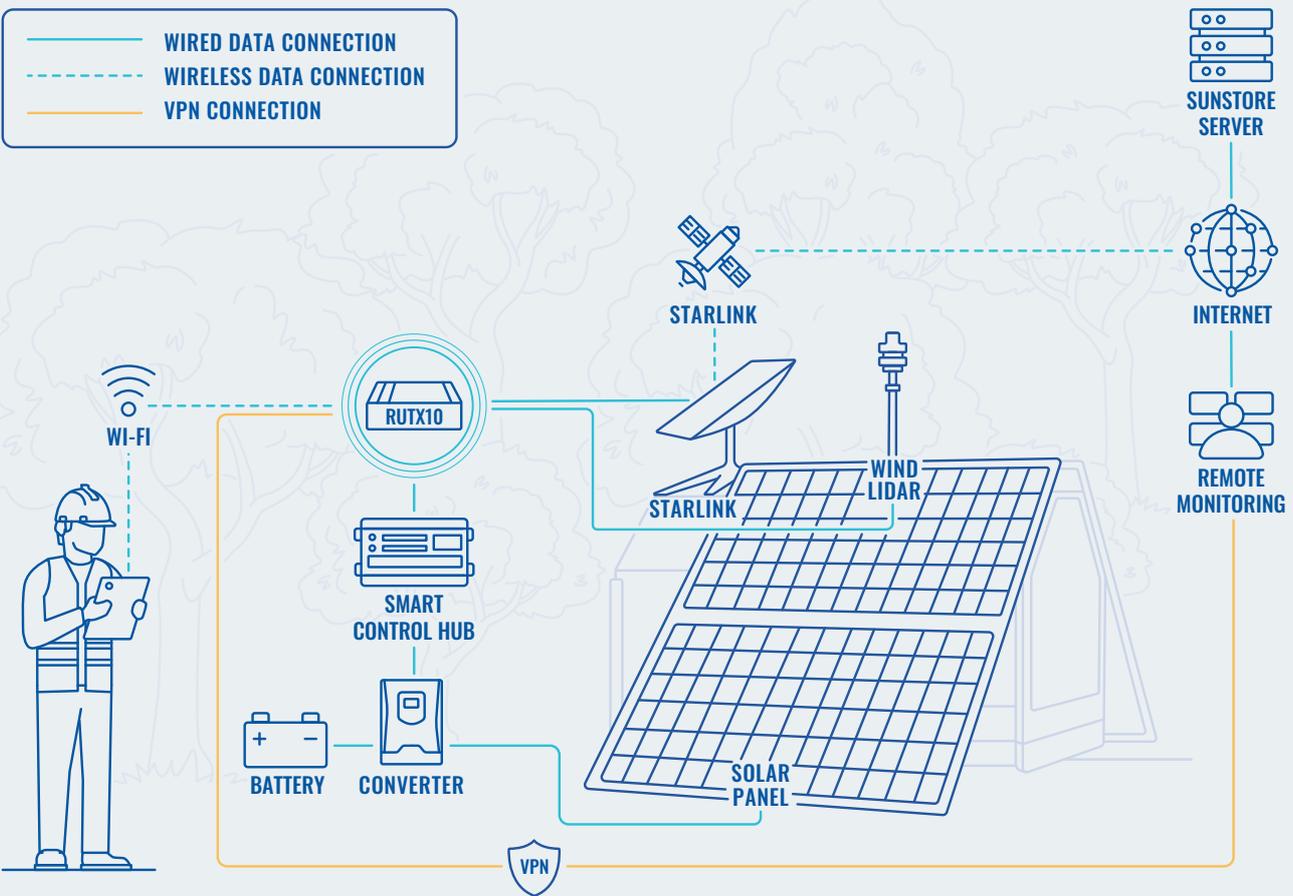
## PRODUCT

RUTX10 is an industrial-grade Ethernet router with 4 Ethernet ports, Dual-Band Wi-Fi, and Bluetooth LE.



IN PARTNERSHIP WITH:







# INDUSTRIAL IOT GATEWAY FOR REDUCED WATER CONSUMPTION

## HIGHLIGHTS

- ⚡ **Lumo Robotics** is a Brazilian company specialising in semi-autonomous cleaning robots for solar power plants. Its semi-autonomous robot, Lumobot V1, is designed to improve energy efficiency, reduce water consumption, and enhance operational management, contributing to sustainable energy solutions.
- ⚡ A reliable connectivity device capable of withstanding the challenging conditions of solar plant environments was essential to ensure transmission of telemetry data from the Lumobot V1 to the Lumo Robotics cloud platform.
- ⚡ Enter the TRB256 IoT gateway – 4G LTE connectivity device with dual SIM, compatible with Teltonika's Remote Management System (RMS).

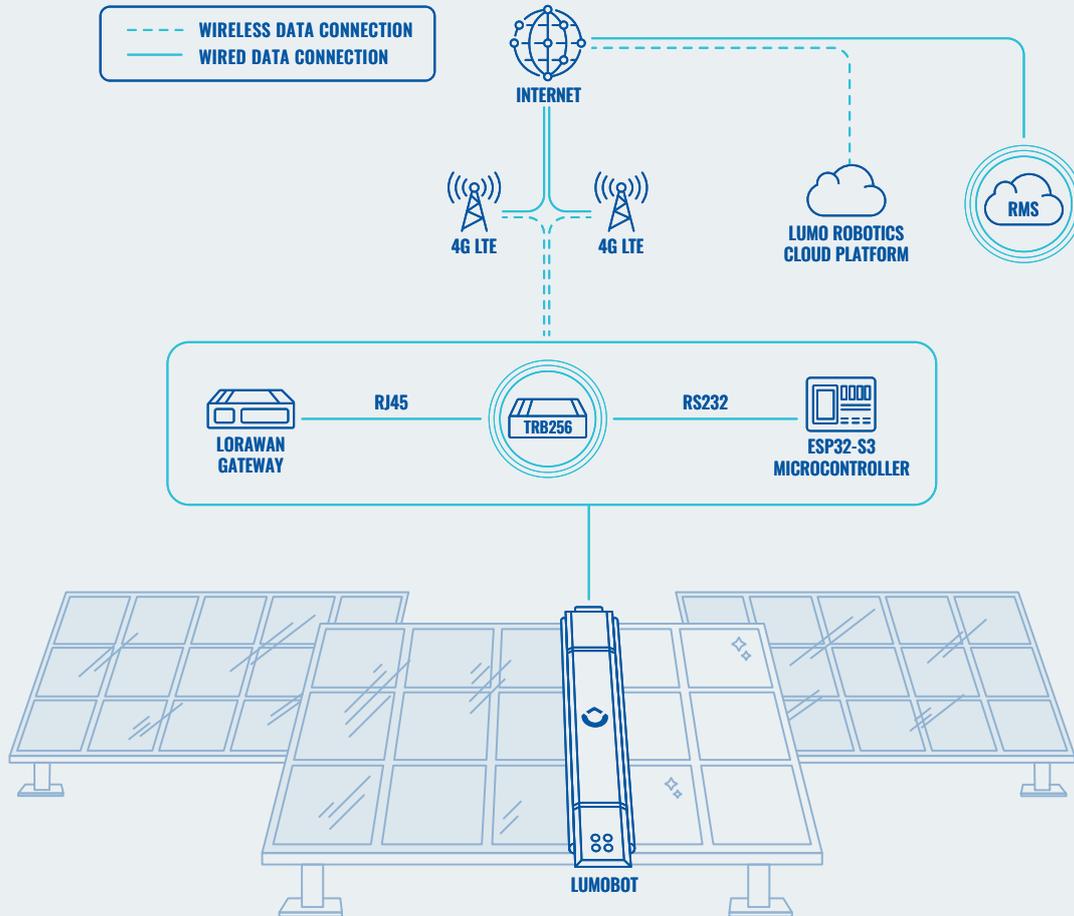
## PRODUCT

TRB256 is a 4G LTE NB-IoT gateway with 450 MHz band, dual SIM, Ethernet, and serial RS232 & RS485 interface support.



IN PARTNERSHIP WITH:







# IOT GATEWAY FOR WASTEWATER TREATMENT REMOTE MONITORING

## HIGHLIGHTS

- ⚡ **STIB** is an Argentinian integrator that implements pumping and fluid movement systems for domestic, commercial, industrial, construction, and agricultural applications.
- ⚡ It had the challenge to upgrade wastewater treatment plants with technological and remote monitoring advancements enabling real-time alerts, monitoring status and water levels, anticipating operational issues, and more.
- ⚡ STIB chose Teltonika's TRB246 IoT gateway, featuring the RS485 interface, to empower its CU362 control unit with robust network connectivity support and remote management capabilities enabled the gateway's RMS support.

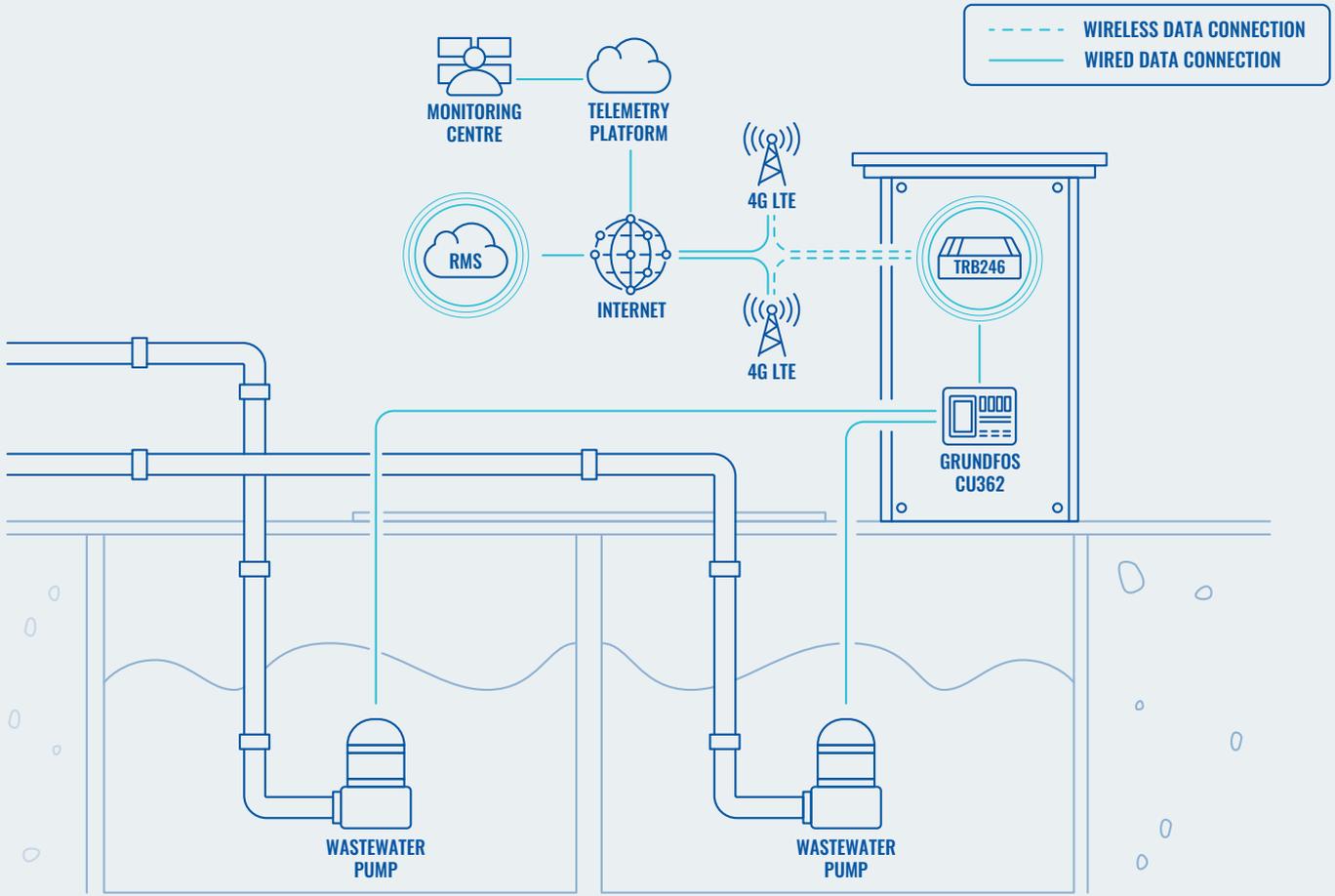
## PRODUCT

TRB246 is a dual-SIM gateway featuring Cat 4 connectivity and a wide range of interfaces and supported protocols.



IN PARTNERSHIP WITH:







# 5G GATEWAY FOR NETWORK SLICING IN SMART GRID INFRASTRUCTURE

## HIGHLIGHTS

- **Korero GmbH**, a German consulting firm, helps companies in the smart city, energy, and mobility industries achieve greater operational efficiency and security in their IoT solutions.
- To establish a highly secure and reliable network infrastructure for utility companies specialising in smart grid infrastructure, Korero chose the Teltonika TRB500 5G gateway to address security and remote management concerns.
- The TRB501 cellular gateway provides high-speed and low latency connectivity. And with support of multiple M2M communication protocols and SA and NSA 5G network architectures for network slicing, it becomes an indispensable IoT device, ensuring reliable and smooth data transmission.

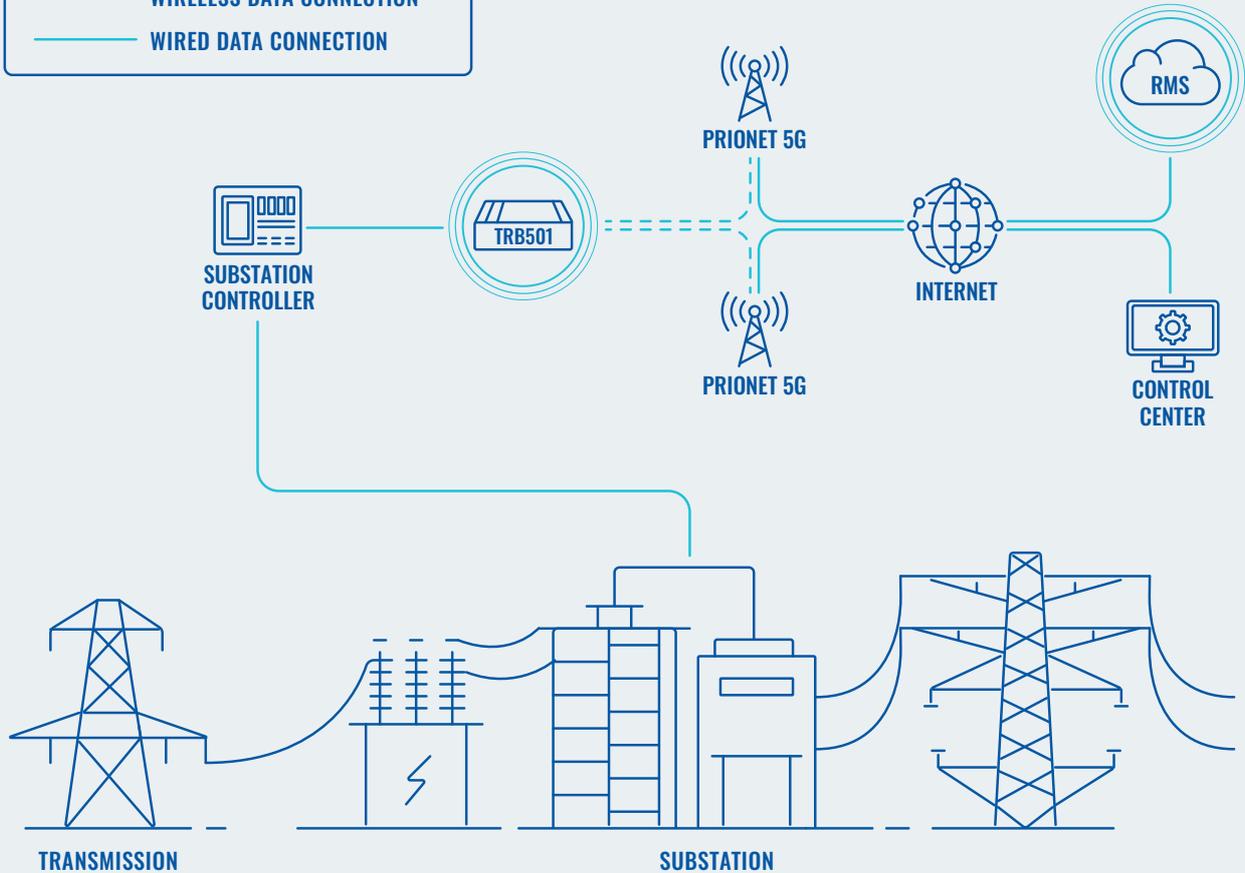
## PRODUCT

TRB501 is an extra-compact, energy-efficient 5G gateway featuring ultra-high wired data speeds of up to 2.5 Gbps.



IN PARTNERSHIP WITH:







# UNINTERRUPTED MONITORING OF INDUSTRIAL BOILER ROOMS

## HIGHLIGHTS

- ⚡ Industrial boiler rooms are known for their complexity and need for continuous remote monitoring. However, since boiler rooms are most commonly in basements, strong and reliable network connectivity is hard to guarantee.
- ⚡ **NS Koncept** creates automation solutions revolving around industrial and thermal power processes. For this challenge, it put its trust in our TRB gateways for creating an automated monitoring and control solution.
- ⚡ TRB140, TRB142, and TRB145 ensure robust and uninterrupted network connectivity alongside key features like ping reboot and SMS configuration, making them irreplaceable for this demanding solution.

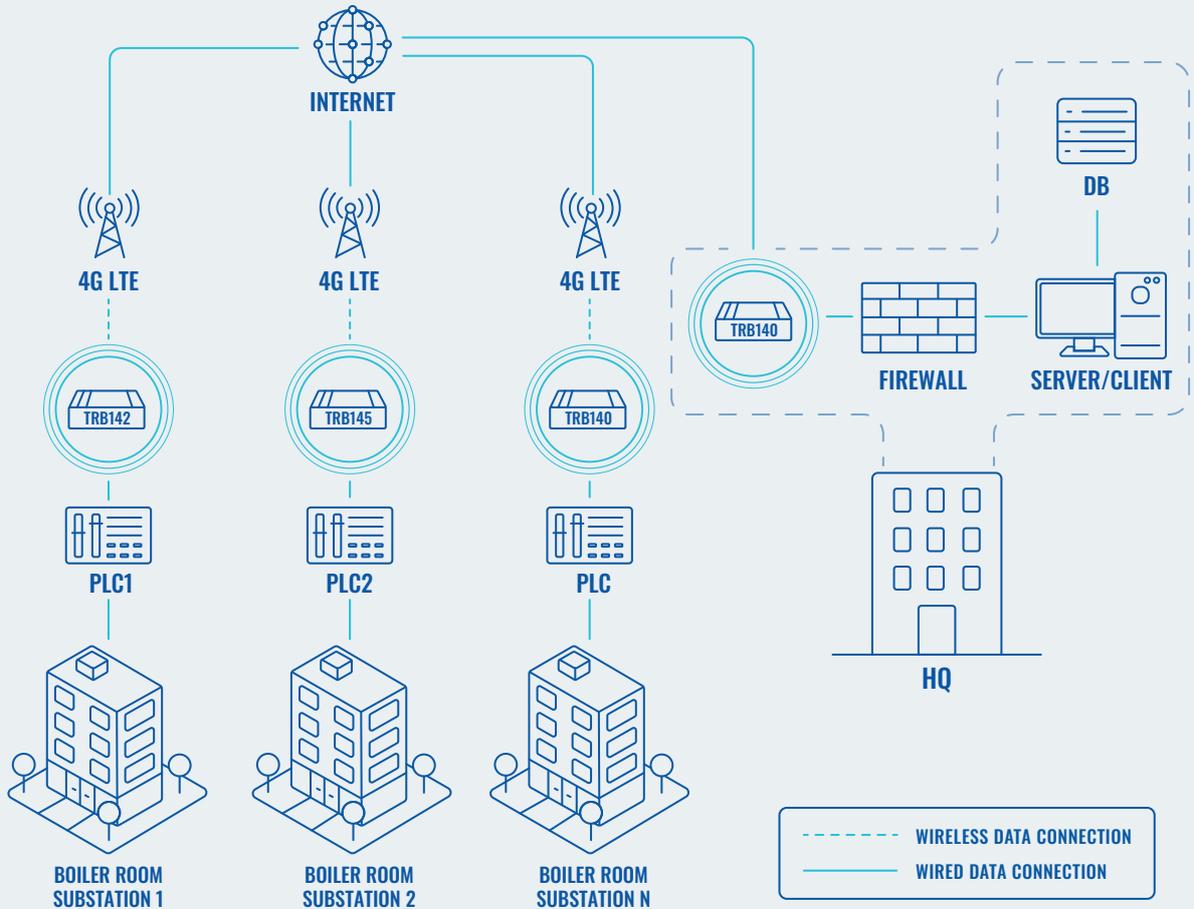
## PRODUCT

TRB140 is an ultra-small, lightweight 4G Cat 4 gateway, compatible with industrial DNP3 & Modbus protocols and RMS.



IN PARTNERSHIP WITH:





# SMART CITY

Modern life is an orchestra of smart devices. Teltonika networking devices facilitate steadfast communication between connected sensors and machines, creating the infrastructure for maximising efficiency and safety while minimising costs.





# RASPBERRY PI CONNECTIVITY FOR DIGITAL SIGNAGE REMOTE MANAGEMENT

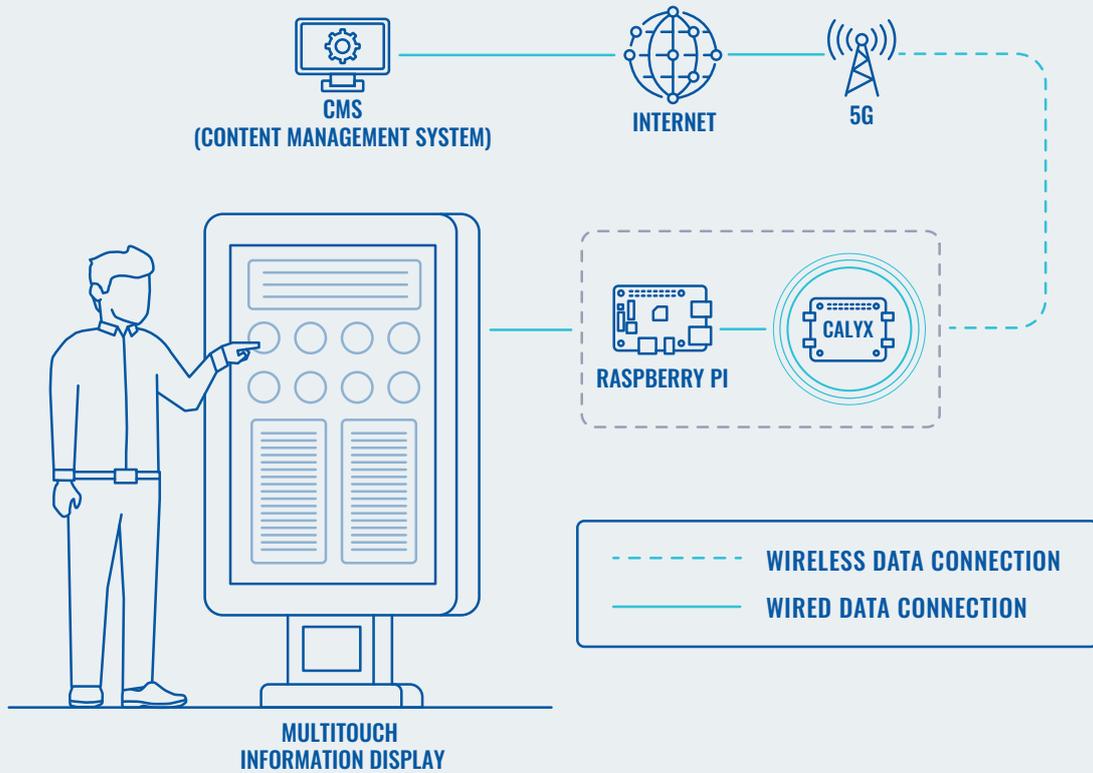
## HIGHLIGHTS

- ⚡ Interactive digital signage displays in a shopping mall provide visitors with information, promotional content, store directories, events, and special offers.
- ⚡ Managing many such digital signages across a large mall requires robust and reliable edge management capabilities.
- ⚡ The 5G Teltonika Calyx Embedded Cellular Raspberry Pi HAT+ mounts seamlessly on the Pi 4 and 5. It features a compact, space-saving design and ensures future-proof Raspberry Pi connectivity for real-time alerts and remote management.

## PRODUCT

CALYX is an embedded Raspberry pi HAT+ with 4G Cat 4, 5G, and 5G Redcap connectivity options, GPIO modem control & PCM.







# THE SWM280 POE+ SWITCH FOR SIMPLIFIED EV CHARGING

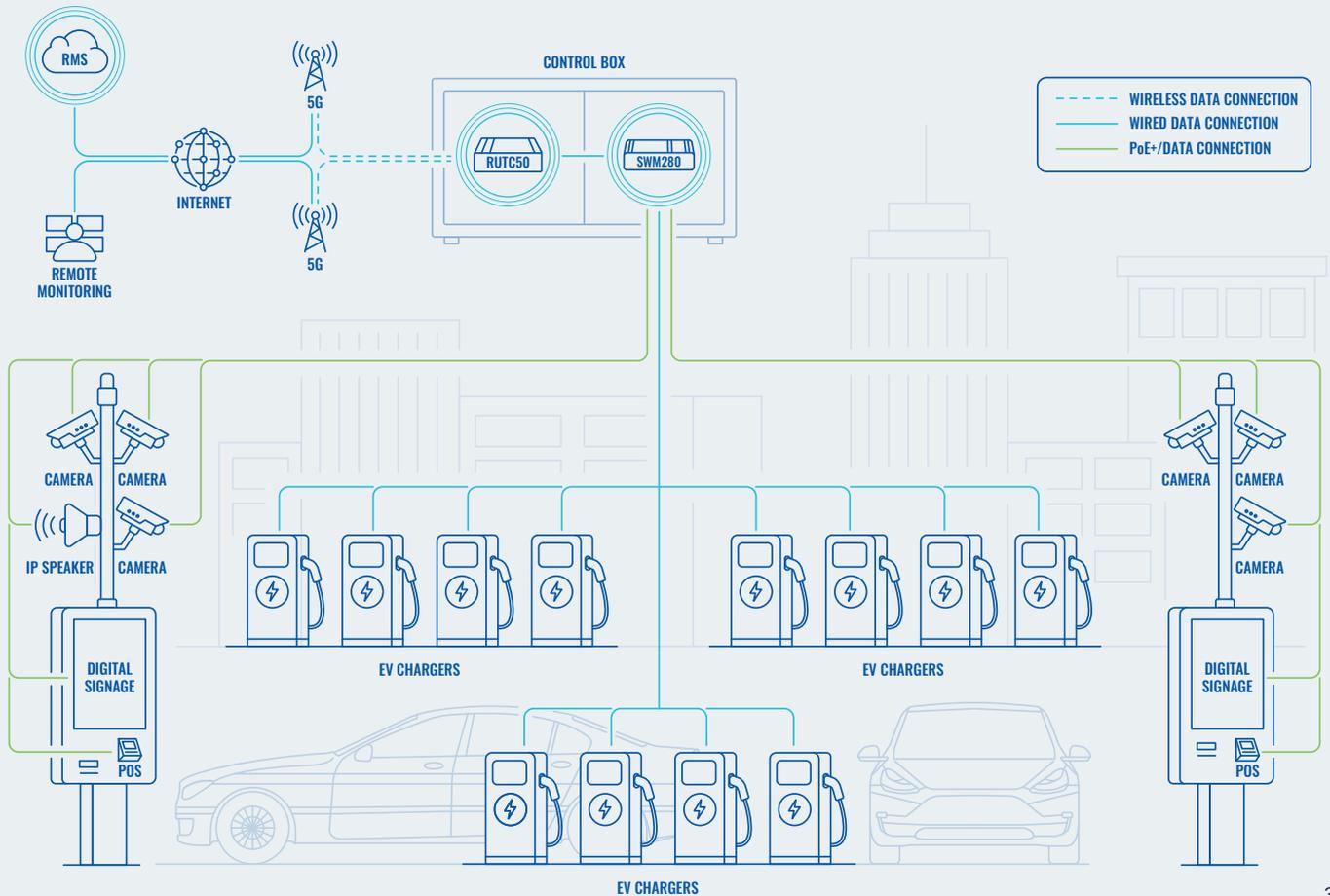
## HIGHLIGHTS

- ⚡ The rapidly growing EV charging market demands fully connected infrastructure capable of supporting diverse devices such as cameras, POS terminals, and digital signage – all while ensuring efficient, space-saving operation.
- ⚡ Teltonika's SWM280 Gigabit PoE+ switch simplifies connectivity with 12 PoE+ and 12 Ethernet ports, powering multiple devices through a single unit.
- ⚡ Paired with the RUTC50 5G router and Teltonika's Remote Management System (RMS), this IoT solution offers ultra-fast connectivity, real-time remote monitoring, and network redundancy.

## PRODUCT

SWM280 is an L2+ 1U size managed switch with 12 PoE+, 12 Gigabit Ethernet, 300W power budget, and PROFINET support.







# RUT951 POE+ FOR SIMPLIFIED SURVEILLANCE IN RECREATIONAL ZONES

## HIGHLIGHTS

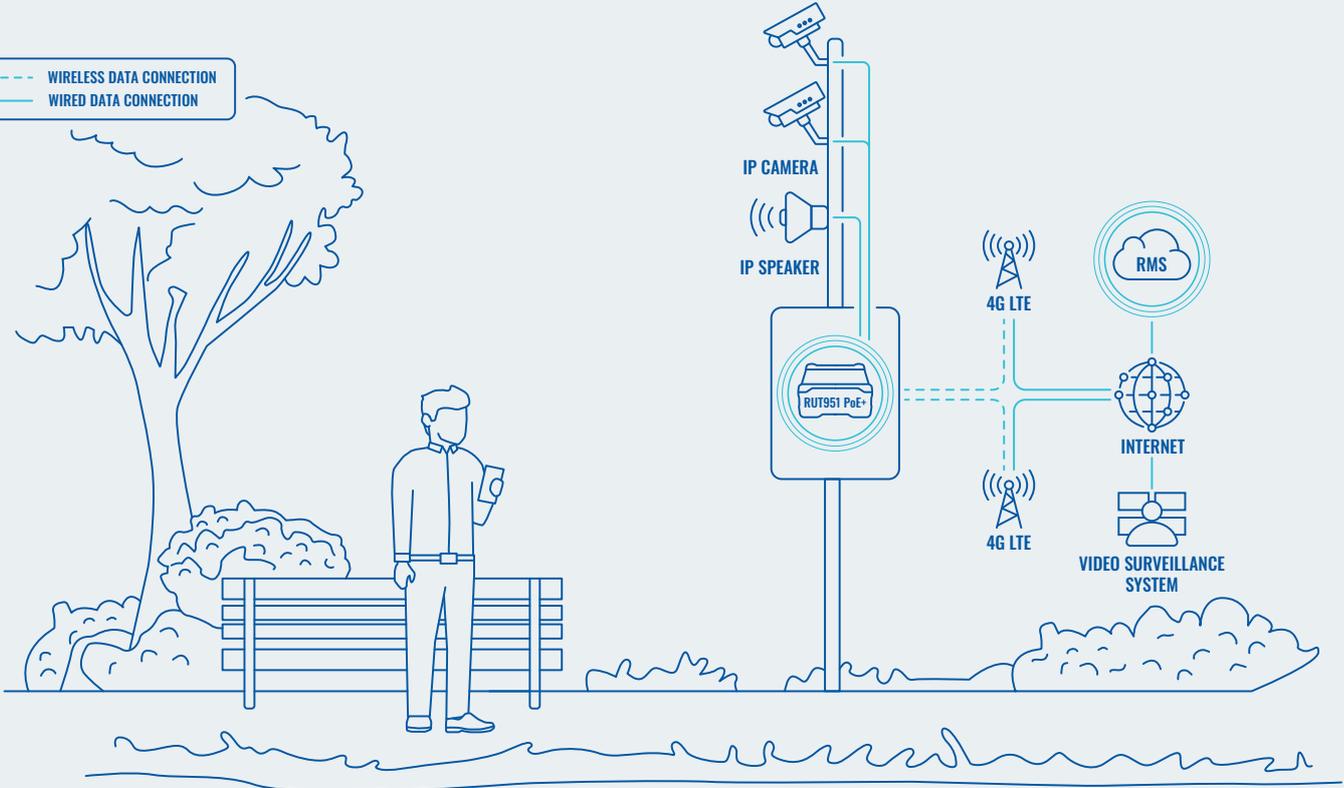
- ⚡ Urban surveillance systems often prioritize traffic and building perimeters, with only 8% of cameras in parks or recreation areas — leaving these public spaces under-monitored and more vulnerable to crime.
- ⚡ The RUT951 PoE+ router delivers data and power at the same time, streamlining deployments and eliminating the need for separate power lines. Ideal for remote sites without existing infrastructure.
- ⚡ Integration with Teltonika RMS ensures real-time monitoring, remote access, and minimal maintenance requirements.

## PRODUCT

RUT951 PoE+ is a dual SIM & eSIM™ 4G router with 4 PoE+ Ethernet ports, supporting a total power budget of 90W.



--- WIRELESS DATA CONNECTION  
— WIRED DATA CONNECTION





# EFFICIENT PARCEL TERMINAL MANAGEMENT WITH RMS

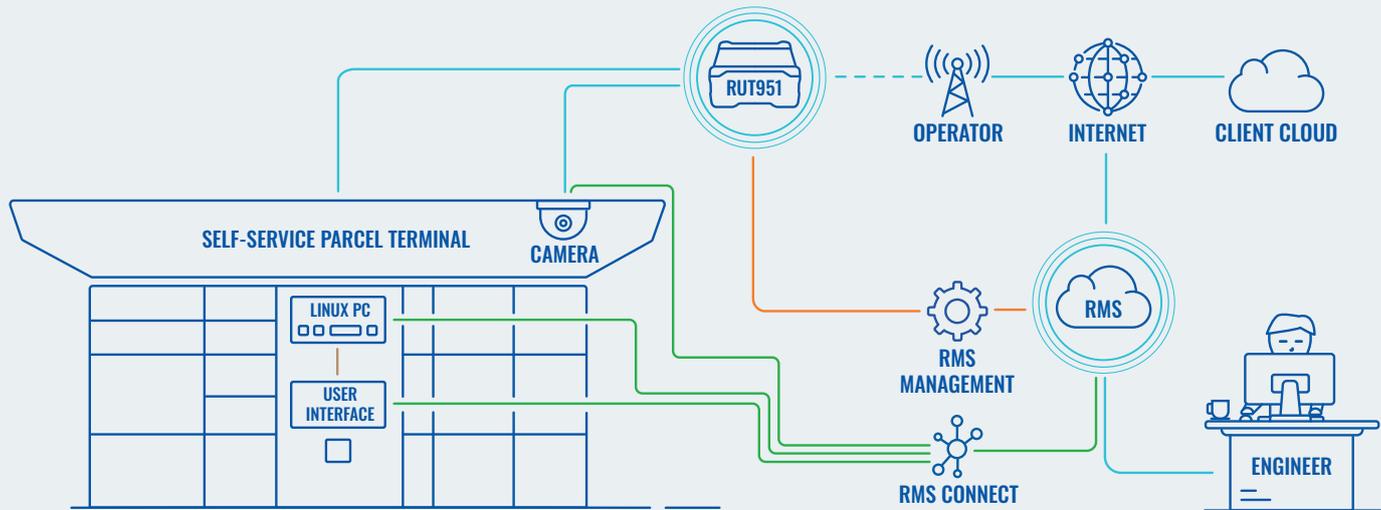
## HIGHLIGHTS

- Parcel terminals are the golden standard of modern-day consumerism – you pick up your order when you want to, where you want to. This is only possible thanks to the sheer number of such terminals spread across as wide an area as possible.
- This is a recurring headache when it comes to routinely updating the terminals' firmware and providing them with troubleshooting support. Doing so manually is incredibly expensive, time-consuming, and inefficient.
- Using RMS, the entire process can be done remotely, easily, and securely. RMS Connect allows you to access and control the PC of any of your terminals via SSH, and to view its screen via VNC. With RMS, it's as though you were right in front of it!

## PRODUCT

RMS is a user-friendly platform for remotely accessing and controlling your fleet of networking devices.







# DUAL 5G ROUTER: A CONNECTIVITY LIFELINE FOR FIRST RESPONDERS

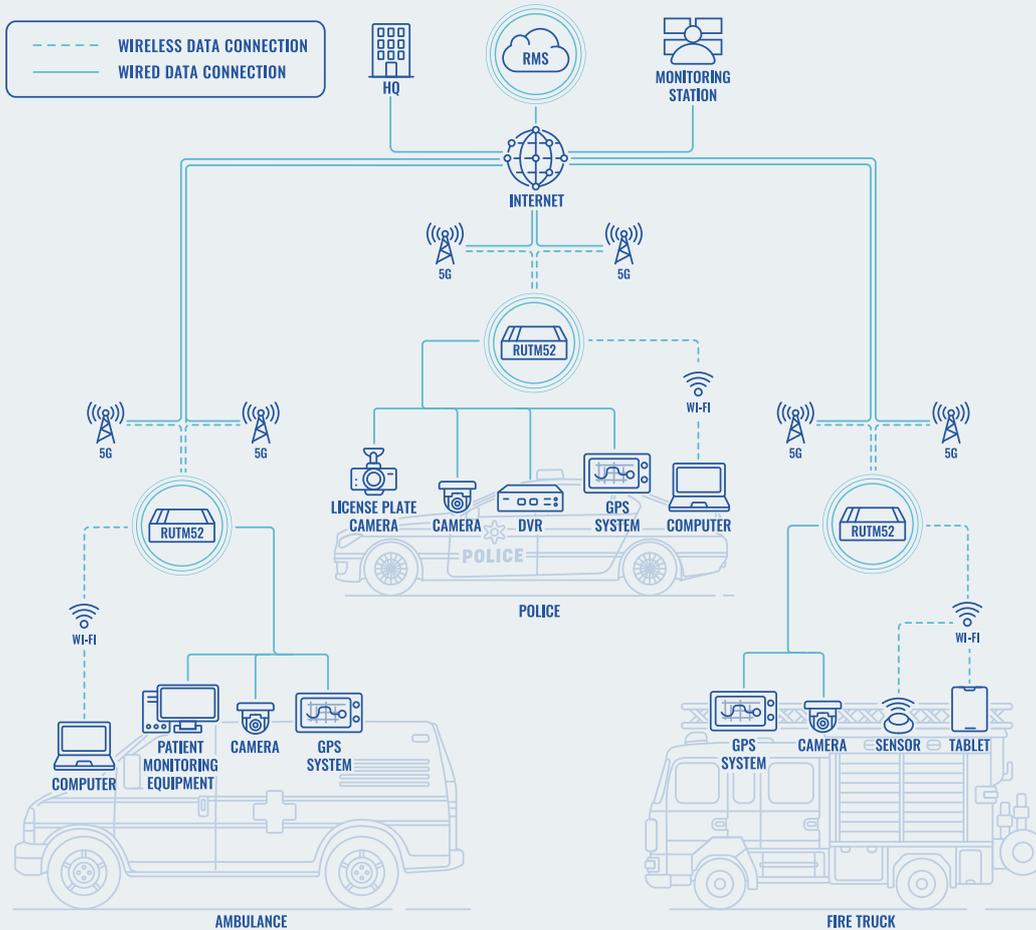
## HIGHLIGHTS

- ⚡ Emergency teams operate not only in bustling cities but also in remote areas where unreliable connectivity can jeopardize the timely flow of critical data.
- ⚡ With dual 5G modems and automatic dual SIM and eSIM switchover, the RUTM52 5G router ensures steady connectivity even in low-coverage zones.
- ⚡ Load balancing supports connectivity needs of multiple devices, maintaining stable connections for essential equipment without overloading the network.

## PRODUCT

RUTM52 is a cellular router featuring dual 5G modems, dual SIM and eSIM™ functionality, and backward compatibility with Cat 20.







# MOBILE ROUTERS ENABLE 4G CONNECTIVITY FOR RECYCLING MACHINES

## HIGHLIGHTS

- ⚡ **B:bot** is a manufacturer, developer, and producer of recycling machines installed in supermarkets across France, Germany, and other countries.
- ⚡ These machines require a networking device capable of providing reliable 4G LTE connectivity, ensuring that each of their component is connected to the company's remote monitoring station for maintenance and real-time data streaming.
- ⚡ It selected Teltonika's RUTX12 and RUT200 mobile routers for their ability to provide high Internet speeds, support multiple VPNs, and facilitate secure, fast data transfers using industrial communication protocols like SSH.

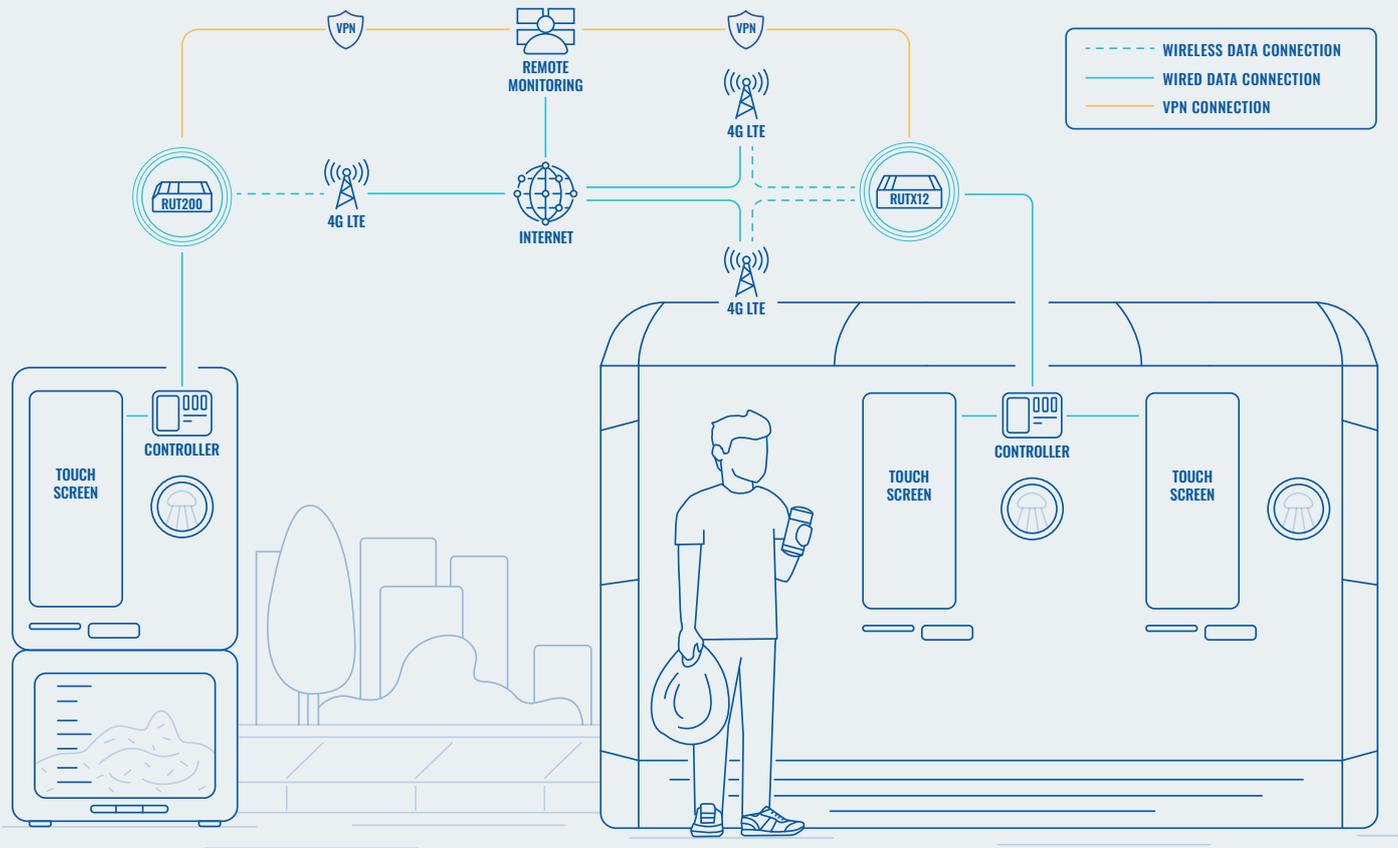
## PRODUCT

RUTX12 is a dual SIM, Cat 6 cellular router with load balancing and 2 modems for dual simultaneous connections.



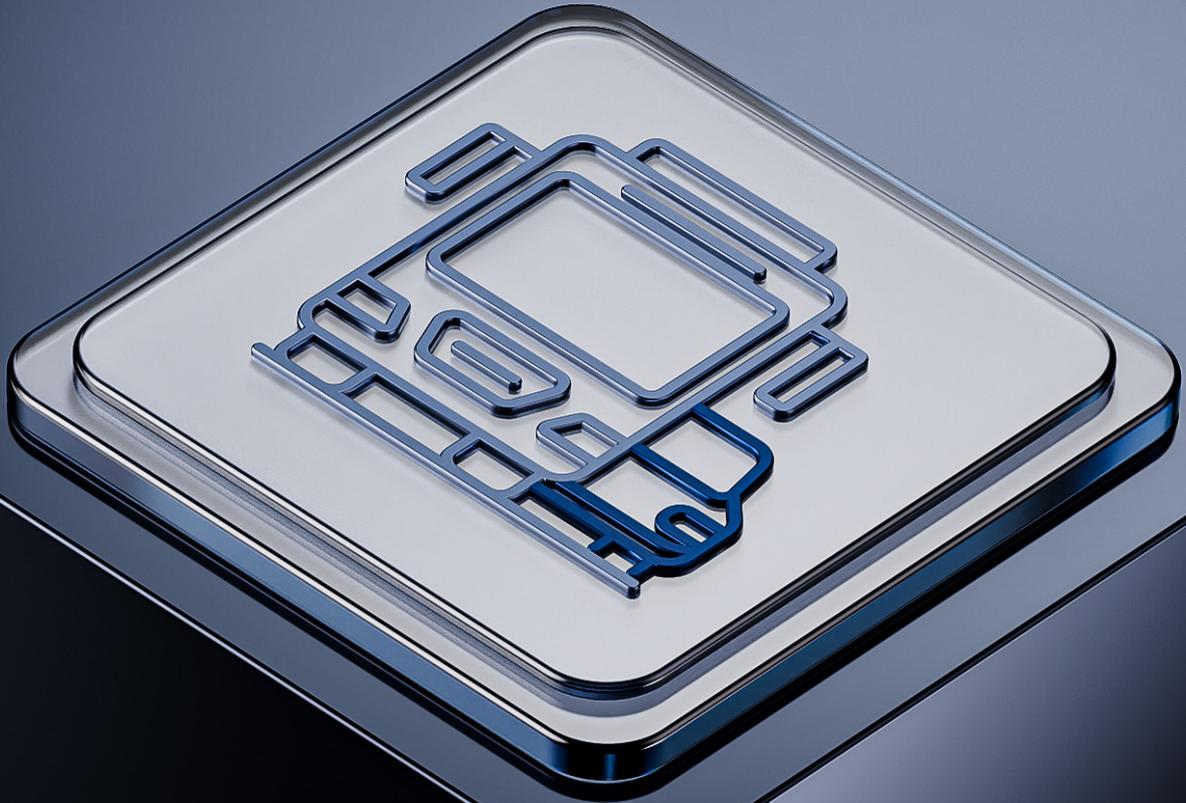
IN PARTNERSHIP WITH:

**b:bot**



# TRANSPORTATION

By air, sea, and land, the mobile world of transportation is constantly moving towards greater efficiency. From simple in-vehicle Wi-Fi to reliable communication systems, Teltonika networking products enable innovation and new revenue systems.





# MOBILE ROUTER FOR BUS MONITORING SYSTEM

## HIGHLIGHTS

- ⚡ **Malux** is a Nordic entrepreneurial company creating safe working environments in industries such as communication, lighting, and more.
- ⚡ For its bus monitoring system, it needed a versatile mobile router to support a high number of end devices all while keeping the IoT solution simple and scalable.
- ⚡ The device chosen is Teltonika's RUT956 dual-band router, featuring four RJ45 ports, an RS485 connector, an RS232 port, and six I/Os. Together with Teltonika's RMS for remote fleet management, the RUT956 is the perfect device for Malux's system.

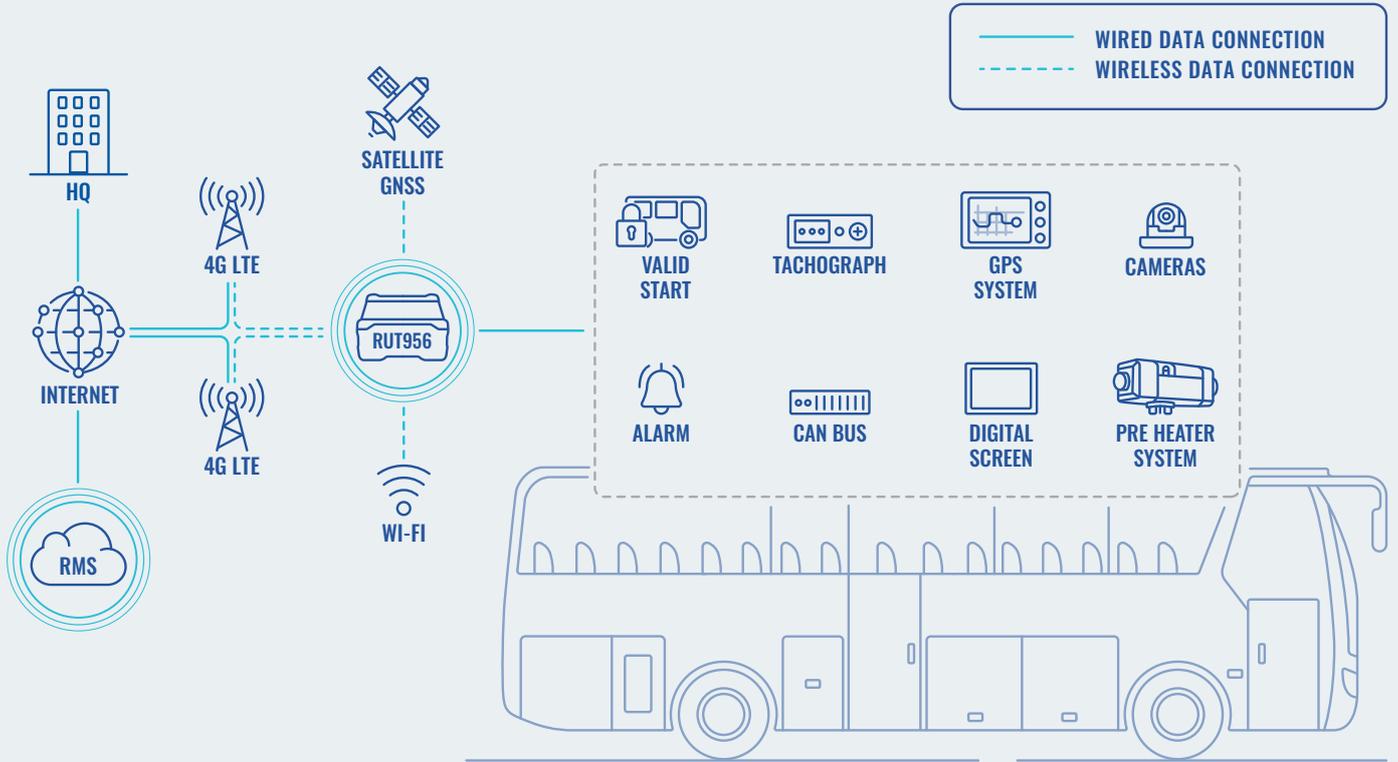
## PRODUCT

RUT956 is a dual-SIM cellular router with auto-failover, a wide range of protocol support, as well as RS232 and RS485 interfaces.



IN PARTNERSHIP WITH:

# Malux





# 4G ROUTER FOR PREDICTIVE MAINTENANCE OF THE WOOLWICH FERRY

## HIGHLIGHTS

- **CBM Partners** is a UK-based provider of machine monitoring equipment and IoT remote monitoring solutions, reducing costs and making the lives of reliability professionals easier and less dependent on skilled labour.
- Its remote monitoring solution, CBM Link, facilitates predictive maintenance in the newest vessels of the Woolwich Ferry. Of course, this technology requires a reliable 4G router.
- The chosen device is our RUT951 4G router, enabling predictive maintenance via extra-reliable connectivity with auto-failover, alongside the remote management capabilities of RMS.

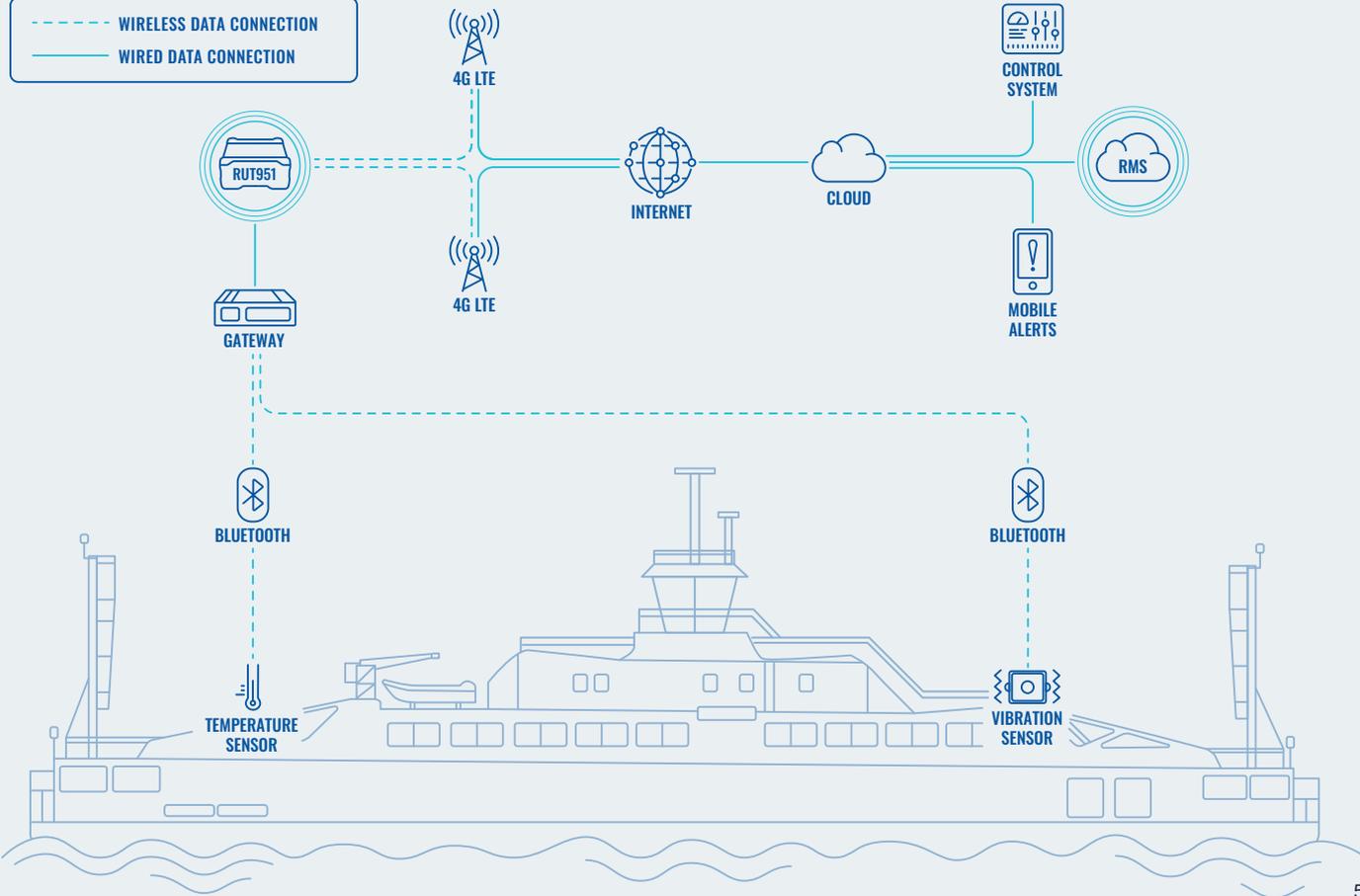
## PRODUCT

RUT951 is a mission-critical cellular router with dual-SIM functionality, auto-failover, 4 Ethernet ports, and Cat 4 connectivity.



## IN PARTNERSHIP WITH:







# 5G ON THE RAILS: HOW THE ATRM50 POWERS MODERN TRAIN CONNECTIVITY

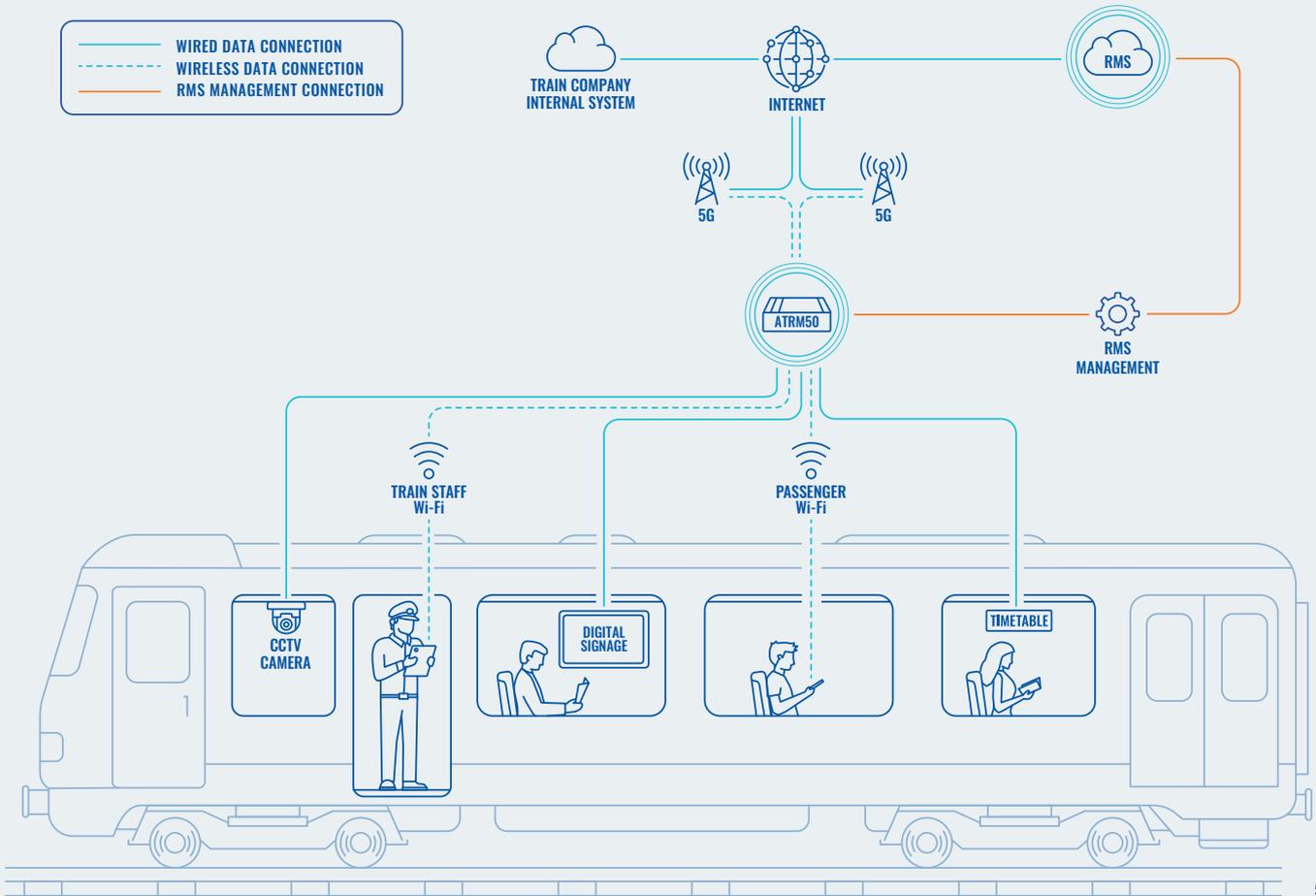
## HIGHLIGHTS

- ⚡ Passenger trains are gaining popularity across Europe due to their low emissions and environmental benefits. The demand increases for railway connectivity for both passenger and operational benefits.
- ⚡ Enabling reliable connectivity across multi-wagon, cross-border trains is technically demanding—requiring rugged devices that support seamless cellular handovers and meet strict railway safety standards.
- ⚡ The ATRM50 comes to help. A high-speed router equipped with dual SIM, eSIM, M12 connectors, and RMS (Remote Management System) capabilities — a remote management tool that enables efficient monitoring, configuration, and troubleshooting of onboard systems.

## PRODUCT

ATRM50 is a 5G router for transportation, featuring M12-type power input and four M12-type Ethernet ports, along with SIM & eSIM™ support.







# 5G ROUTER FOR RV INTERNET & CAMPING WI-FI

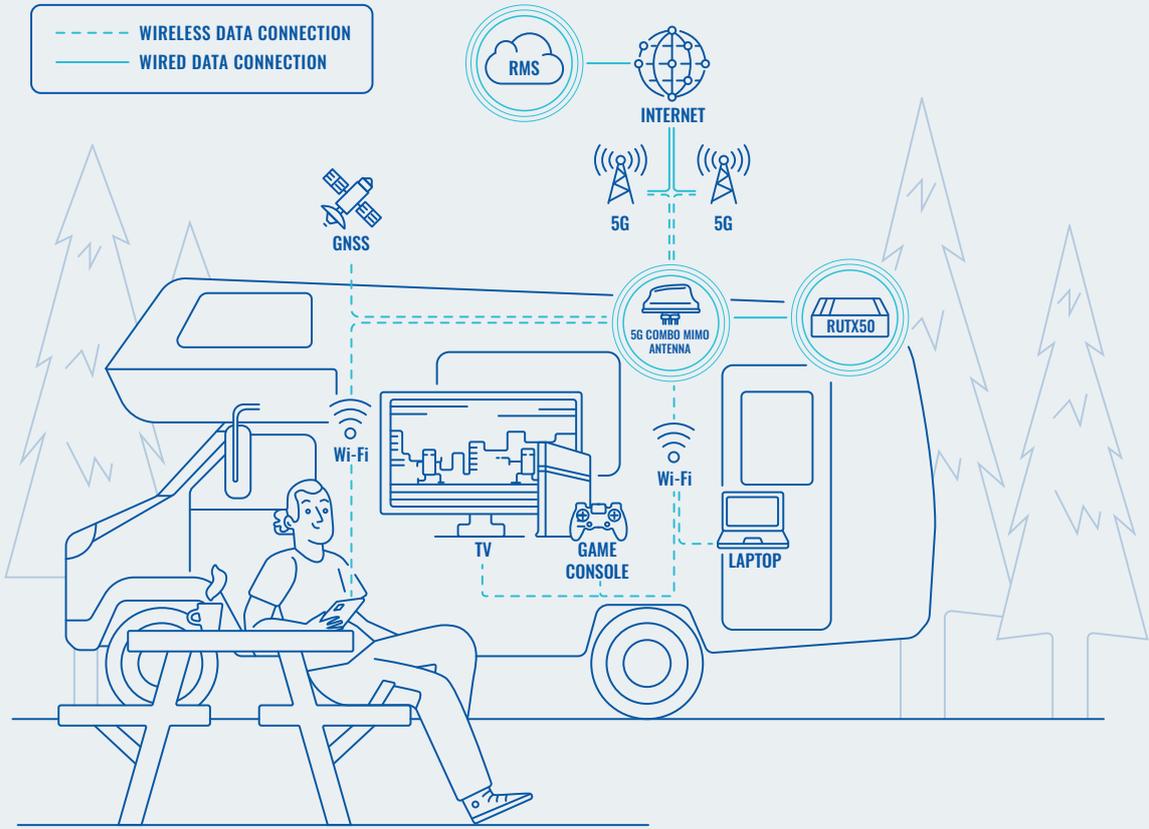
## HIGHLIGHTS

- ⚡ Establishing robust and reliable Internet for an RV can be a challenge, but the RUTX50 5G router by Teltonika more than meets your camping Wi-Fi needs.
- ⚡ This 5G router can reach cellular speeds of up to 3.3 Gbps and Wi-Fi 5 with data transmission rates of up to 867 Mbps, allowing for stellar RV Internet as though you were right at home.
- ⚡ The RUTX50 is also packed with reliability features to keep your Wi-Fi for RV uninterrupted and seamless, such as dual SIM with failover. A tailor-made 5G combo MIMO antenna is also available for this device.

## PRODUCT

RUTX50 is a 5G dual-band cellular router, providing ultra-high speeds of up to 3.3 Gbps with auto-failover redundancy.







# BONDING MOBILE ROUTERS FOR EV MOTORSPORTS CONNECTIVITY

## HIGHLIGHTS

- The **Lestrup Racing Team** is a group of Swedish engineers and developers that create fully electric racing vehicles and organises racing series events like the NXT Gen Cup.
- The team manages a large amount of data, including GPS tracking and CAN bus car data, which must be transmitted from race cars to the team garage. To handle this, they needed reliable Internet support at all times.
- They equipped each race car with our RUTX12 mobile routers, while the team garage was set up with the RUTC50 5G router, the TRB500 5G gateway, and Starlink. Bondix® by SIMA GmbH bonded each connection, enabling high-speed connectivity essential for the team's operations.

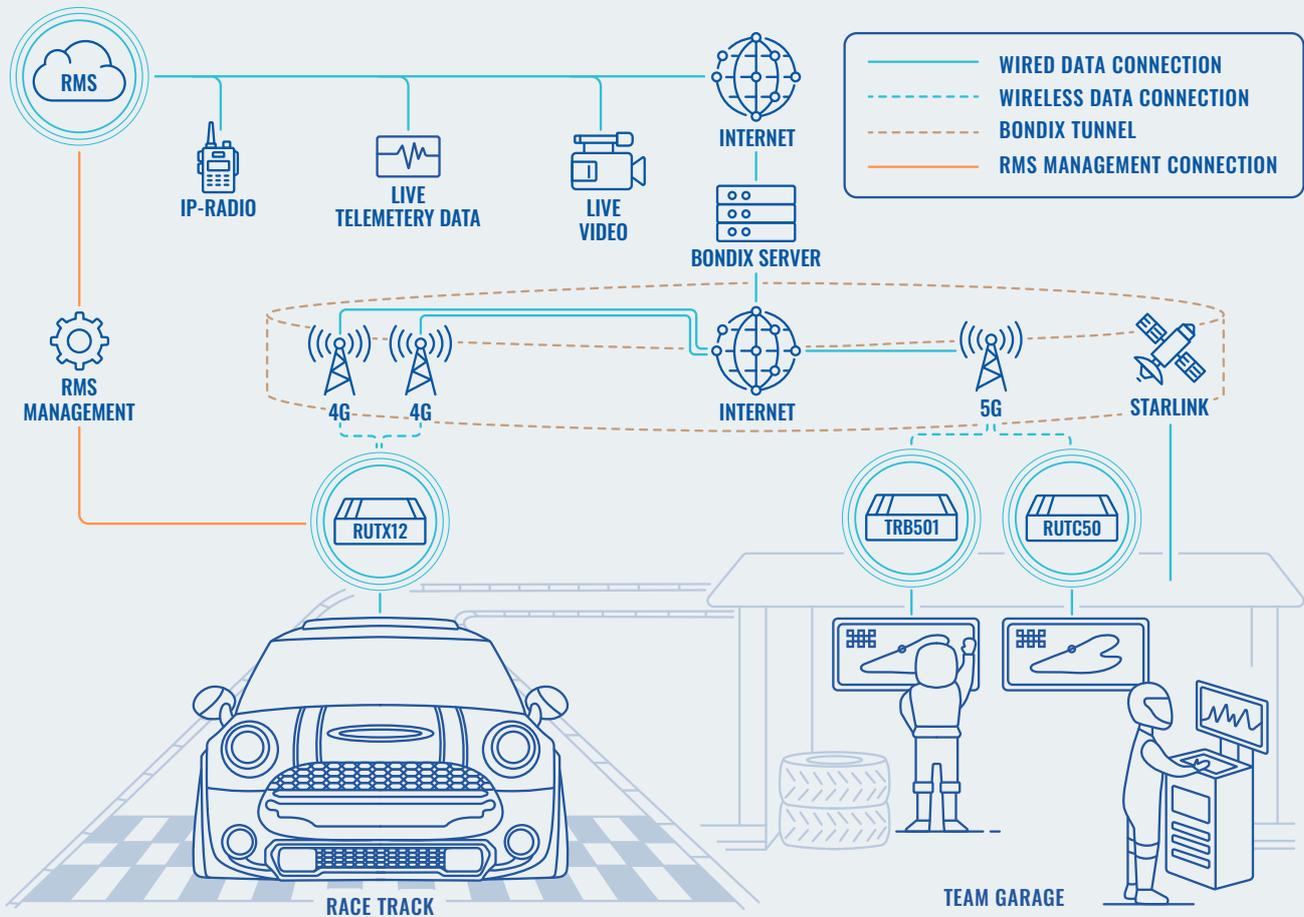
## PRODUCT

TRB501 is an extra-compact, energy-efficient 5G gateway featuring ultra-high wired data speeds of up to 2.5 Gbps.



IN PARTNERSHIP WITH:







# 4G ROUTER FOR AUTOMATED TYRE PREDICTIVE MAINTENANCE SYSTEM

## HIGHLIGHTS

- ⚡ **Goodyear** is a Luxembourg-based supplier of high-quality tyres, smart mobility solutions and a pan-European service network, supporting leading transportation and logistics companies across Europe.
- ⚡ For its automated tyre analysis and predictive maintenance system, Goodyear needed a reliable LTE router equipped with robust security features.
- ⚡ The chosen device is our RUT951 4G router, providing uninterrupted and secure LTE Cat 4 connectivity to this IoT solution.

## PRODUCT

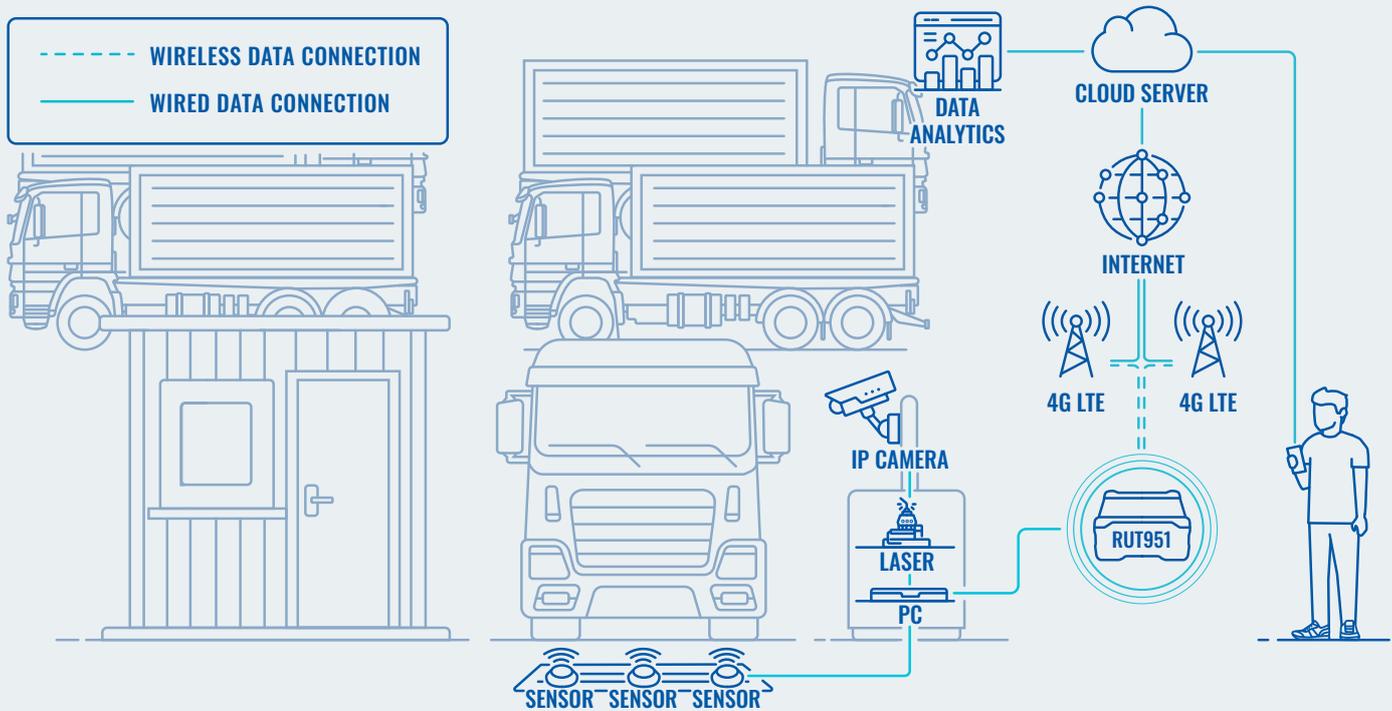
RUT951 is a mission-critical cellular router with dual-SIM functionality, auto-failover, 4 Ethernet ports, and Cat 4 connectivity.



IN PARTNERSHIP WITH:

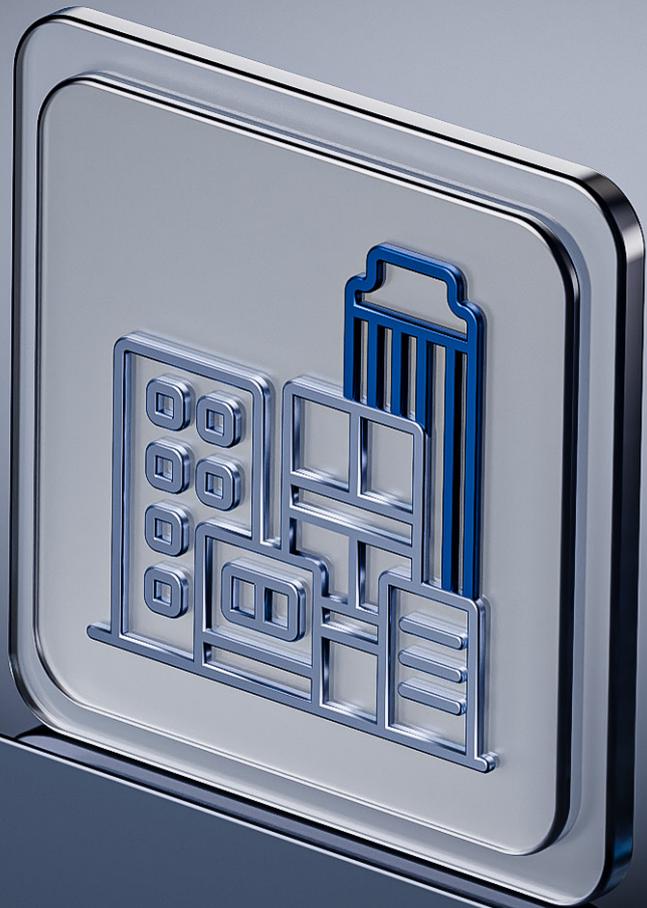


--- WIRELESS DATA CONNECTION  
— WIRED DATA CONNECTION



# ENTERPRISE

Security, scalability, and backup connectivity are the building blocks of enterprise growth and success. Teltonika networking devices enable a reliable networking infrastructure for enterprise applications – anywhere, anytime.





# THE SWM280 MANAGED SWITCH FOR UNIVERSITY NETWORK MANAGEMENT

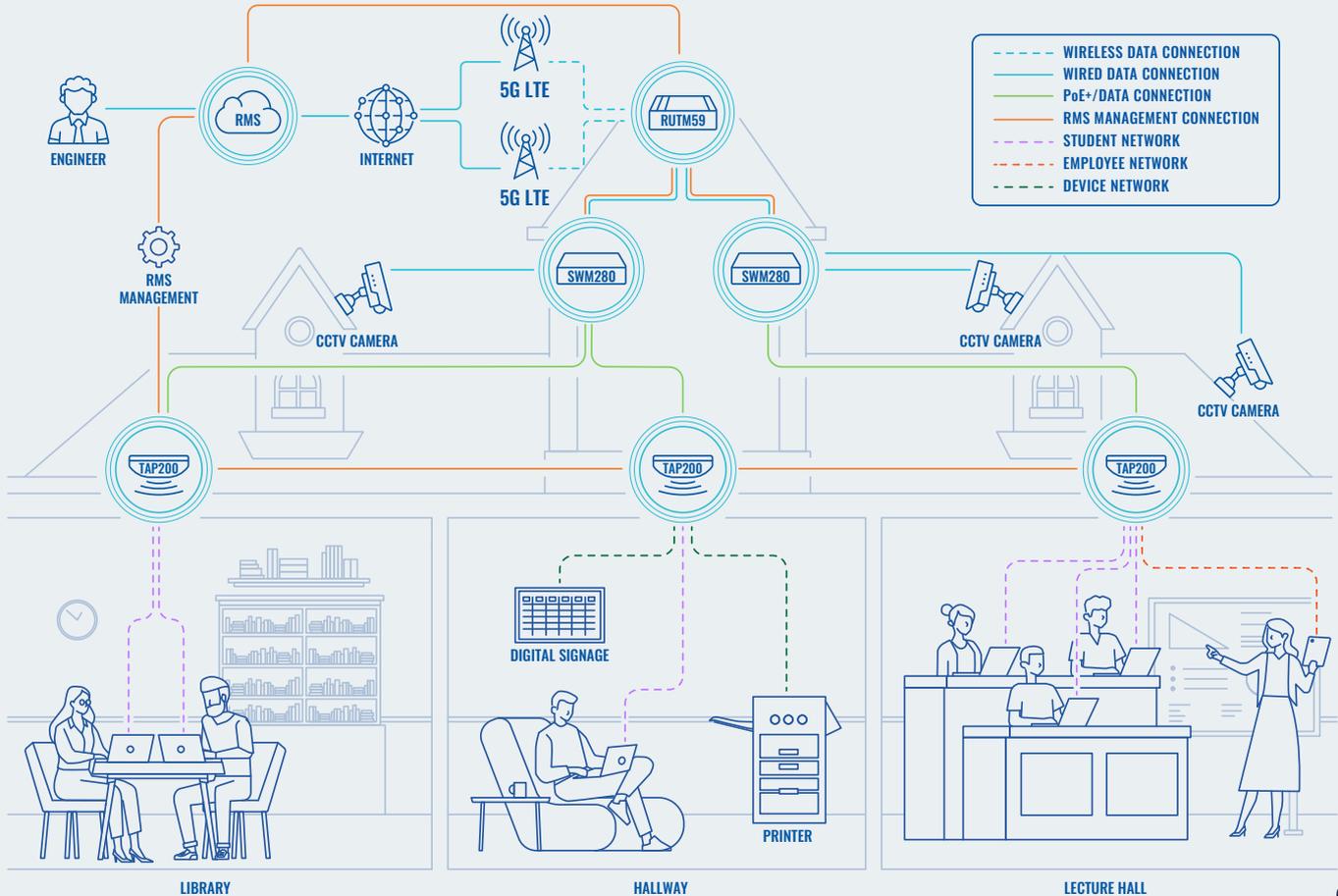
## HIGHLIGHTS

- Modern university faculties require reliable and segmented wireless connectivity to support thousands of students, staff members, and digital devices spread across expansive campus environments.
- The SWM280 is a high-performance managed switch at the core of the network, delivering power, data, and advanced configuration capabilities with full support for VLANs, fibre uplinks, and PoE+.
- Combined with the TAP200 wireless access points and the RUTM59 5G router, this managed switch ensures seamless coverage, uninterrupted internet access, and streamlined large-scale network.
- Remote Management for all network devices is ensured with Teltonika's Remote Management System (RMS).

## PRODUCT

SWM280 is an L2+ 1U size managed switch with 12 PoE+, 12 Gigabit Ethernet, 300W power budget, and PROFINET support.







# 10-PORT ETHERNET SWITCH & MOBILE ROUTER FOR BMS SYSTEM

## HIGHLIGHTS

- ⚡ **Skopos** is a Serbian automation solutions provider and system integrator, providing ingenuity in building automation, energy savings, and sustainable solutions.
- ⚡ For its BMS system encompassing a 17,000 sqm multifunctional facility, Skopos deployed a fleet of Teltonika's RUT200 4G routers and TSW210 10-port Ethernet switches. These connect to a host of end equipment to establish a single, interconnected network communicating via the Modbus RTU, Modbus TCP, BACnet, and OPC UA protocols, while RSTP is used for redundancy.
- ⚡ Using the Connect and VPN suites of Teltonika's RMS remote management tool, remote device access to the BMS system is enabled and routine operations such as firmware updates and alarm monitoring can be done fully remotely, thereby cutting operational costs.

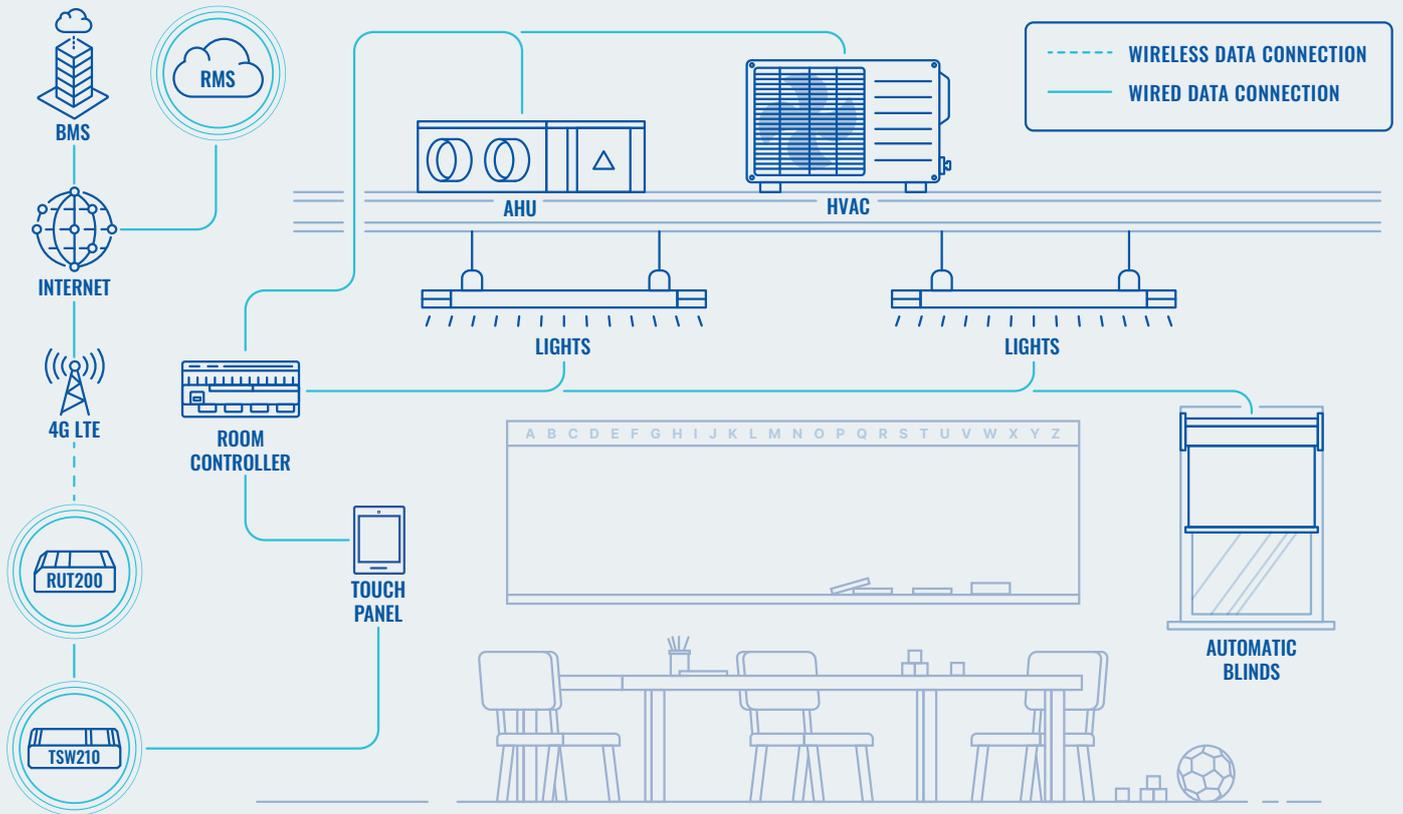
## PRODUCT

RUT200 is a compact and reliable cellular router with WAN failover, 2 Ethernet ports, and Cat 4 connectivity.



IN PARTNERSHIP WITH:







# SECURING NETWORKS WITH VLAN TAGGING IN MANAGED SWITCHES

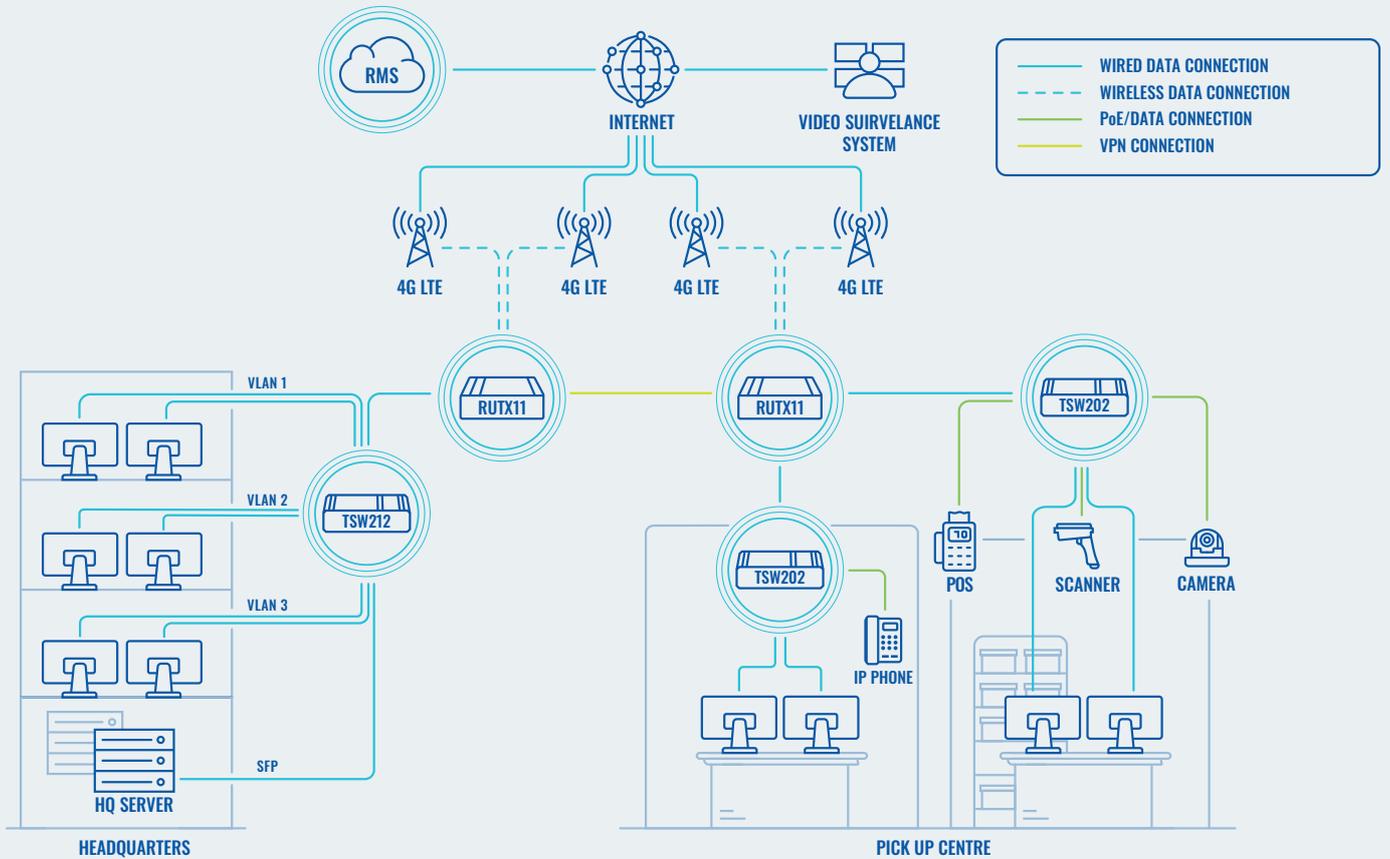
## HIGHLIGHTS

- Many organisations establish VLANs for greater security of their network infrastructure. However, this requires advanced network switches capable of providing granular control that extends even to endpoint devices.
- Managed switches are the ideal solution for these challenges. They enable network administrators to establish multiple VLANs, effectively segregating company departments while having utmost reachability over each end device.
- Beyond VLAN tagging, managed switches like the TSW202 and TSW212 offer QoS and scheduling features that allow for prioritised data flow management from multiple endpoints and automate tasks such as periodic port shutdown for even greater network management.

## PRODUCT

TSW212 is an L2 managed switch with 8 Ethernet ports, 2 SFP ports, and protocol support including PROFINET, MRP, and more.







# ACCELERATED PASSWORD MANAGEMENT WITH RMS

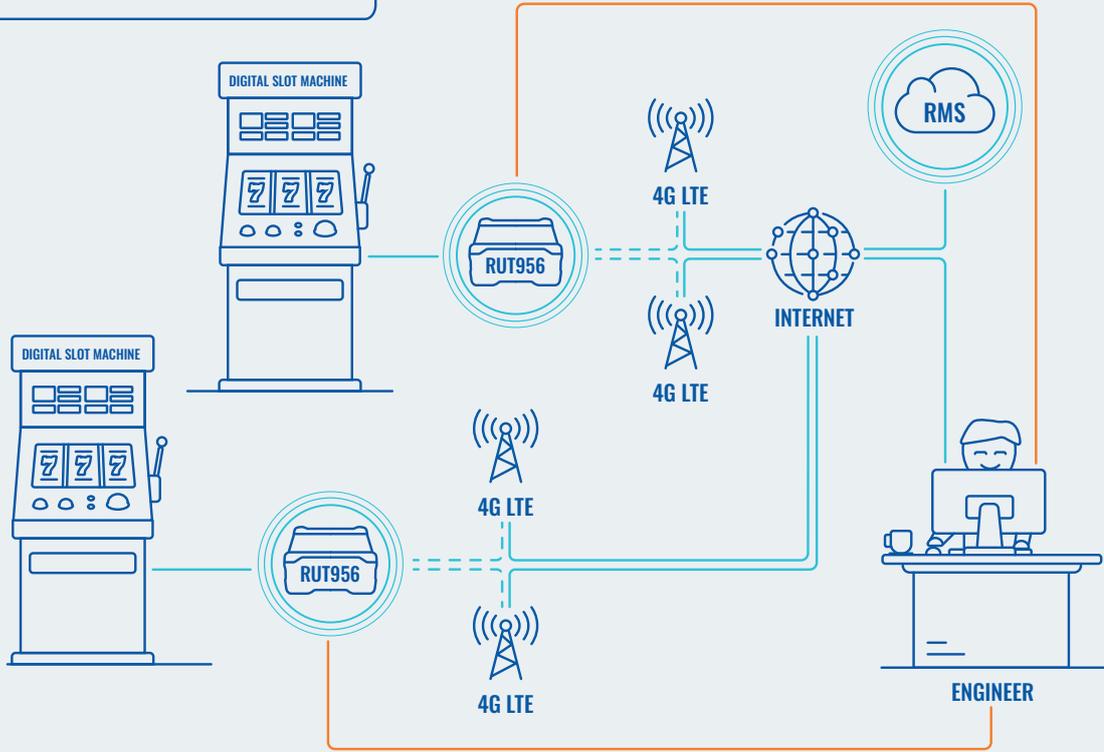
## HIGHLIGHTS

- ⚡ Manual password-changing in networks consisting of thousands of connectivity devices is costly, inefficient, and prone to human error. Luckily, there is a simple way to expedite this process.
- ⚡ Using the streamlined password management function of our Remote Management System (RMS) allows changing the password of thousands of devices to be accomplished in a matter of seconds.
- ⚡ Additional features like device monitoring, performance analysis, and full control over updates and configurations further help RMS reduce human error potential and save time and money.

## PRODUCT

RMS is a user-friendly platform for remotely accessing and controlling your fleet of networking devices.







# UPGRADING OUT-OF-BAND MANAGEMENT WITH A CELLULAR ROUTER

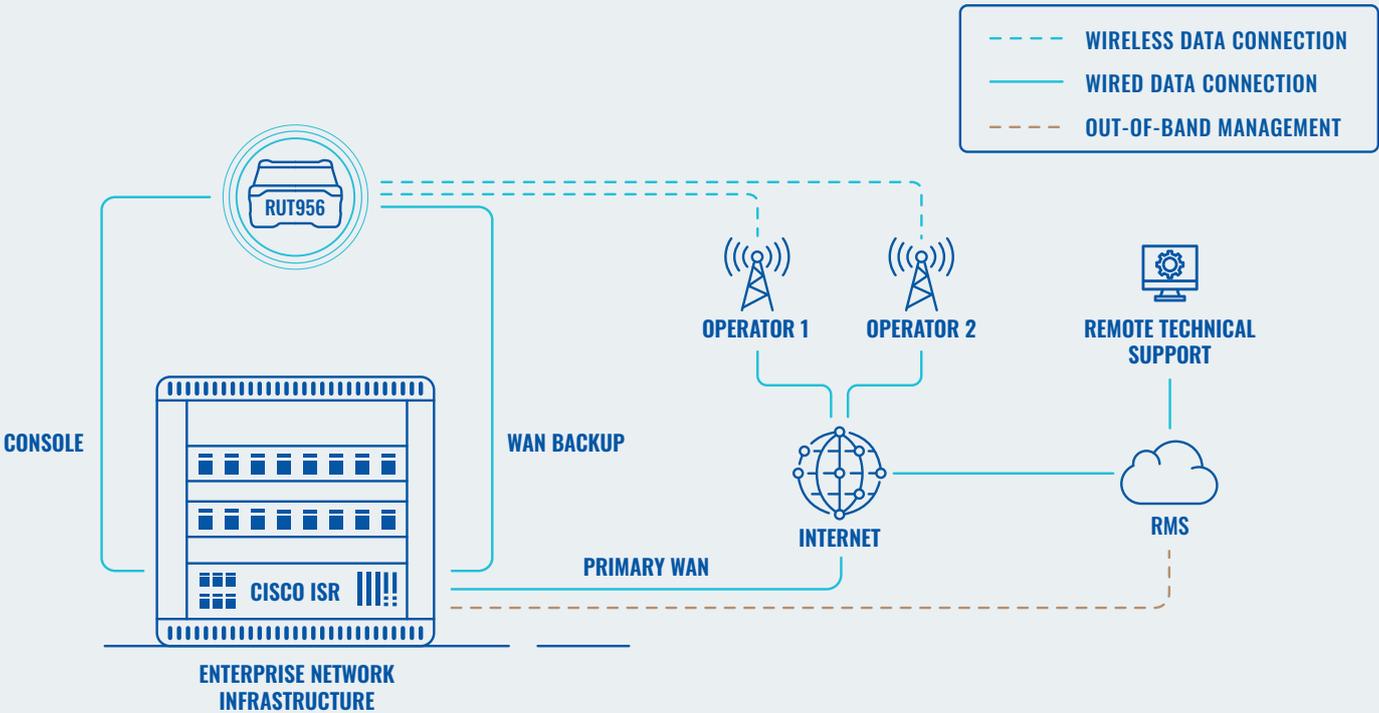
## HIGHLIGHTS

- ⚡ Out-of-band management is a common method of remotely accessing a network or device. However, OOB solutions are subject to slow connection speeds and high recurring charges.
- ⚡ Deploying the Teltonika RUT956 cellular router allows you to keep your existing legacy infrastructure but make OOB faster and more reliable while reducing costs.
- ⚡ This is thanks to the RUT956 being easy and fast to deploy, its LTE Cat 4 connectivity enhanced by a myriad of network reliability features, and compatibility with RMS.

## PRODUCT

RUT956 is a dual-SIM cellular router with auto-failover, a wide range of protocol support, as well as RS232 and RS485 interfaces.







# 5G ROUTER FOR PORT CONNECTIVITY CHANNEL BONDING

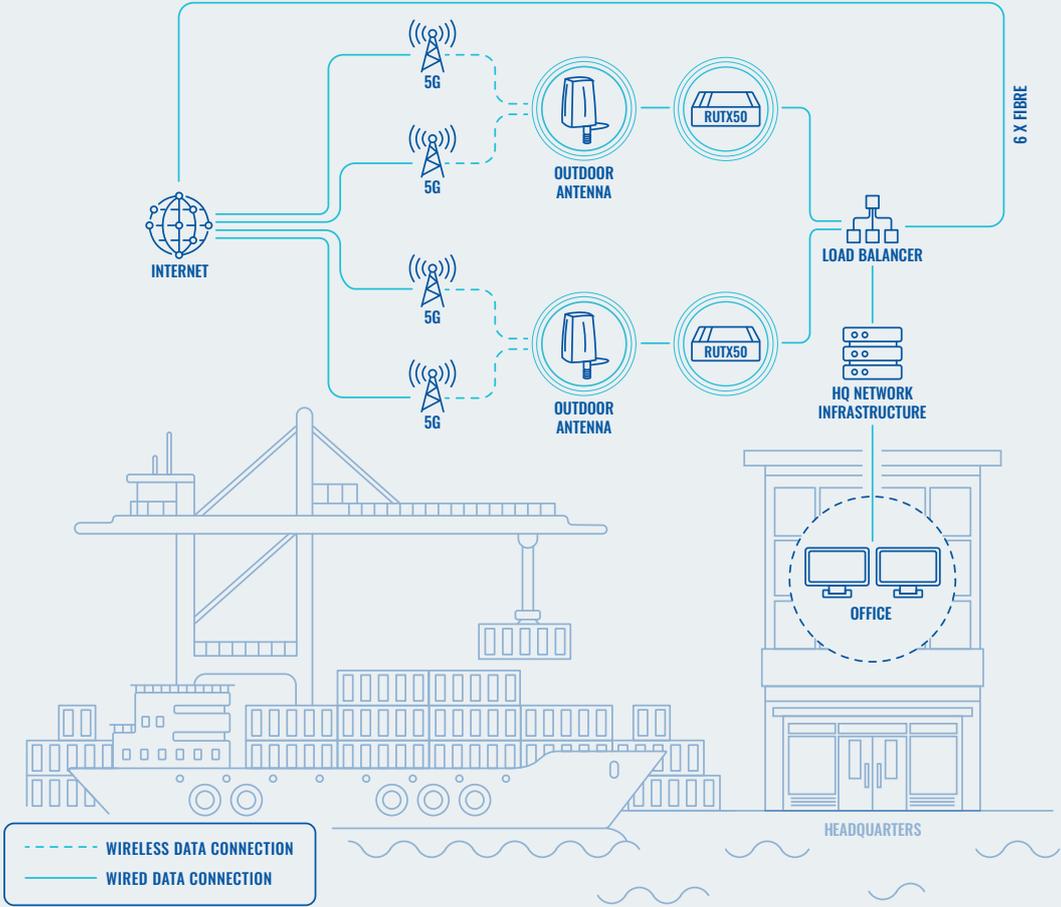
## HIGHLIGHTS

- ⚡ Sea freight plays a pivotal role in driving the global economy by enhancing efficiency, reducing costs, and developing local market supply chain.
- ⚡ To avoid unnecessary and costly Internet downtime and ensure seamless connectivity, a reliable connectivity device was needed to enable SD-WAN network load balancing capabilities and allow channel bonding.
- ⚡ The RUTX50 was a great choice for this connectivity solution – it's equipped with failover functionality, resistance to environmental conditions, and supports 5G NSA.

## PRODUCT

RUTX50 is a 5G dual-band cellular router, providing ultra-high speeds of up to 3.3 Gbps with auto-failover redundancy.





# RETAIL

In the age of information, data is everything. As rapid adoption of IoT in the retail sector facilitates innovative data collection for optimal decision-making, Teltonika networking devices help businesses stay competitive in an ever-smarter market.





# COMPACT 5G ROUTER FOR IN-VEHICLE CONNECTIVITY

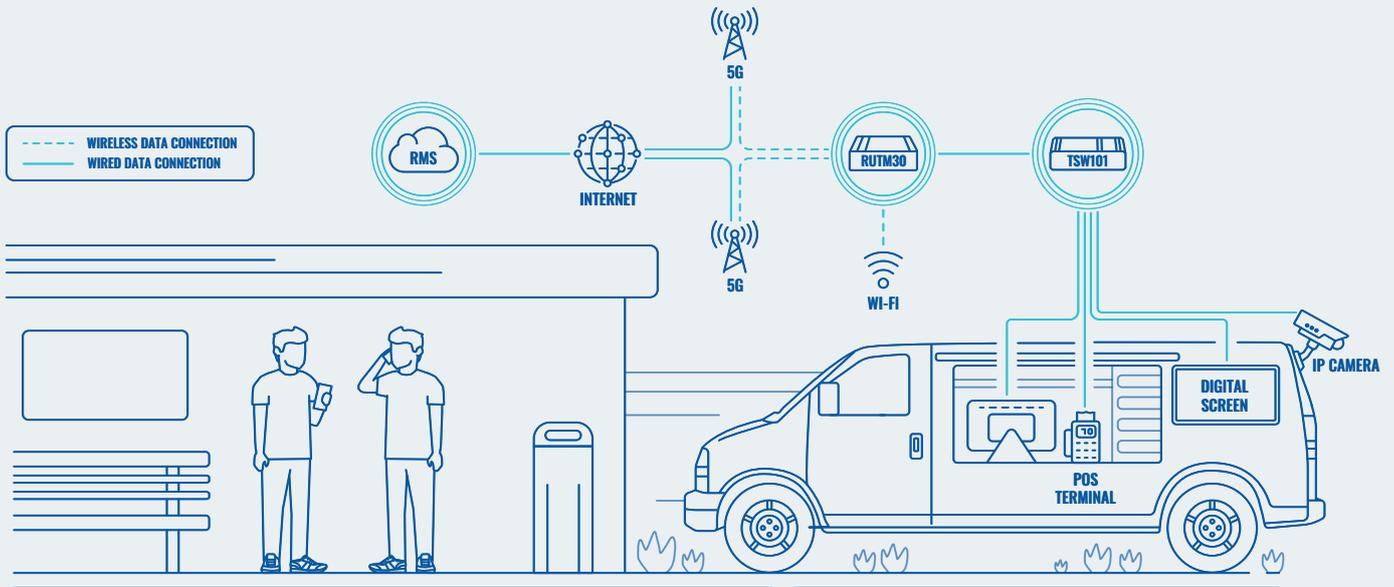
## HIGHLIGHTS

- ⚡ Besides cooking appliances, a food truck is filled with network-dependent equipment that needs reliable network connectivity.
- ⚡ To address challenges like these, Teltonika's RUTM30 5G router and TSW101 automotive switch were chosen.
- ⚡ The compact 5G router provides robust and secure 5G connectivity while the switch is the one to provide it to all in-vehicle equipment, like CCTV cameras and POS terminals, while keeping them powered with PoE+.

## PRODUCT

RUTM30 is a compact 5G router for data-intensive applications, equipped with dual SIM & eSIM™, and support for both SA & NSA.







# IOT GATEWAY FOR REMOTE MANAGEMENT OF INTERACTIVE KIOSKS

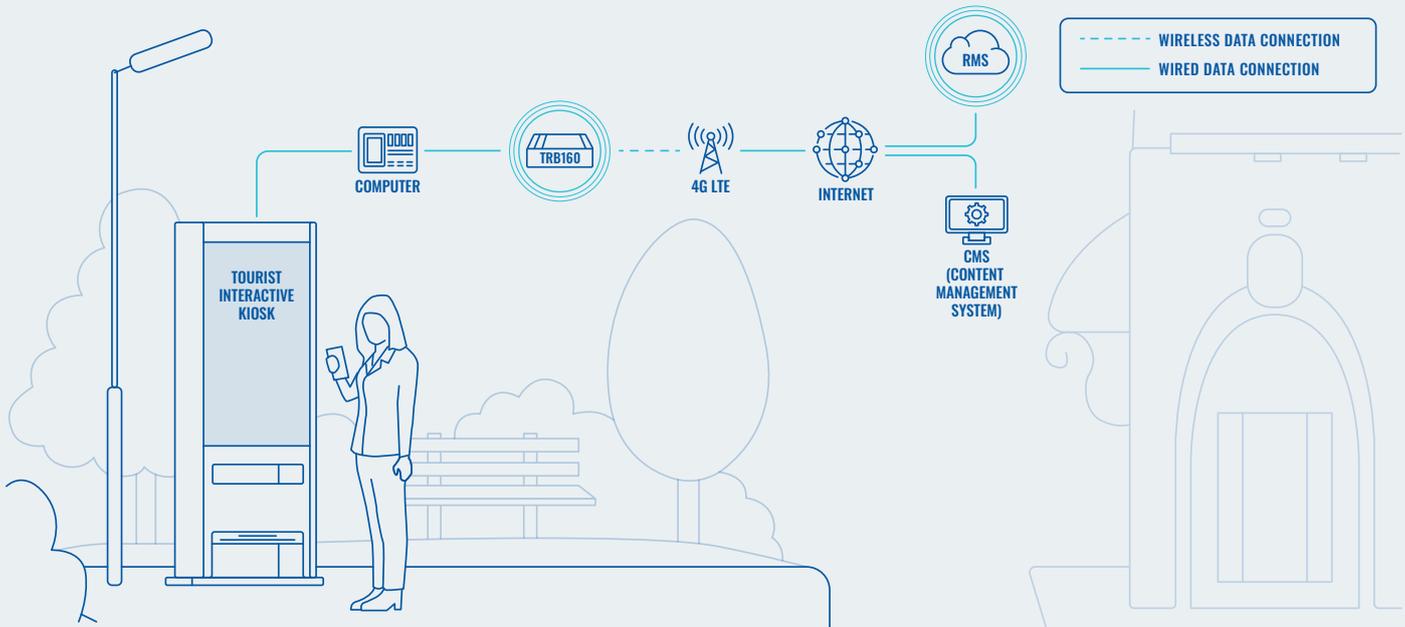
## HIGHLIGHTS

- ⚡ A tourist interactive kiosk is a digital touchscreen terminal that provides visitors with information, maps, and services about local attractions, accommodations, and activities.
- ⚡ Interactive kiosk management has much to gain from remote management capabilities, but that requires an IoT gateway with robust and reliable connectivity, yet small dimensions to fit tight space.
- ⚡ That's where our IoT gateway, the TRB160, enters the conversation – providing uninterrupted LTE Cat 6 connectivity reaching speeds of up to 300Mbps with carrier aggregation.

## PRODUCT

TRB160 is a compact LTE Cat 6 gateway with Gigabit Ethernet, and USB type-C for simultaneous powering and data provision.







# 4G ROUTER FOR PHOTO BOOTH-TO-SERVER DATA TRANSFER

## HIGHLIGHTS

- **Dedem S.p.A.** is an Italian company offering innovative IoT solutions such as automated photo booths and entertainment systems. The company integrates technological advancements to develop versatile products that meet international market needs.
- Dedem develops photo booths controlled and maintained via single-board computers (SBCs), which relay commands between users and a cloud-based operating system. To ensure smooth user experience, reliable connectivity was essential.
- This is why Dedem chose Teltonika's RUT200 4G router, capable of providing seamless connectivity and continuous data transfer between endpoints. Along with RMS, Dedem uses the RUT200 to establish secure VPN tunnels and enable remote management for performing all kinds of system diagnostics and configuration.

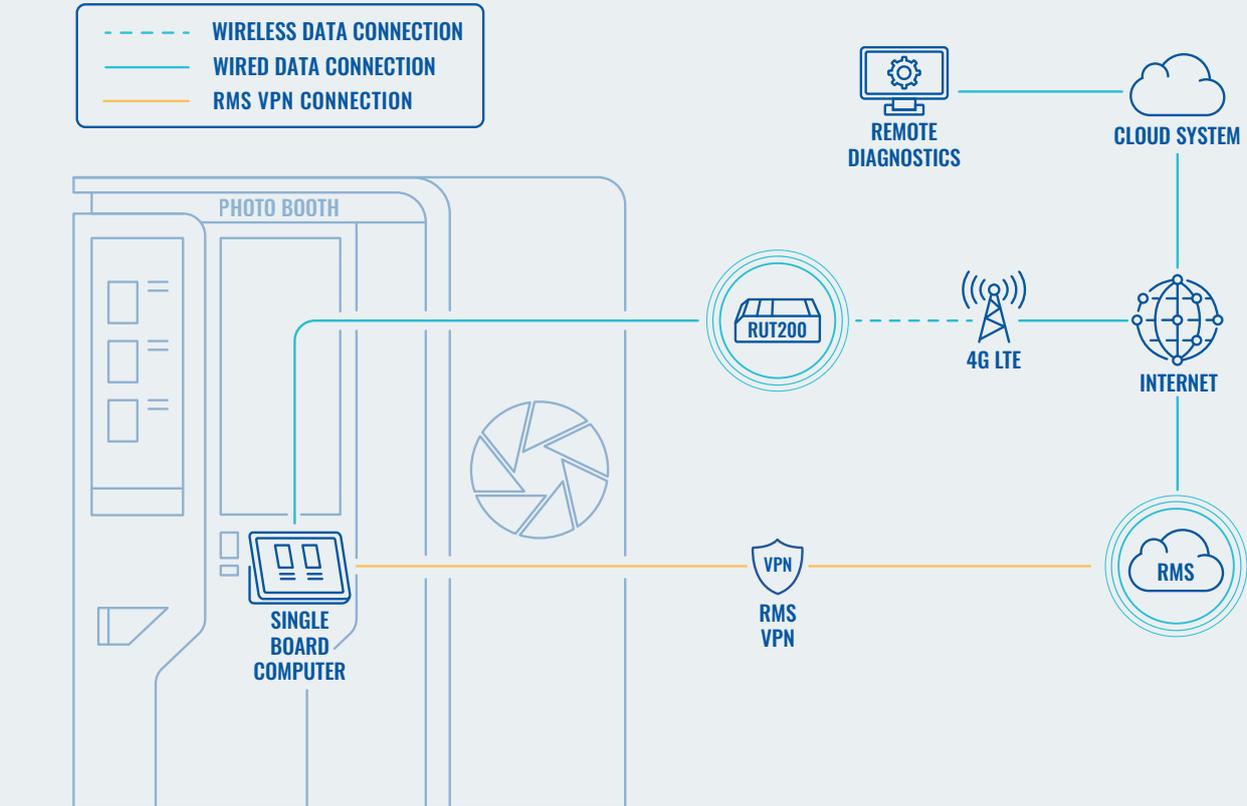
## PRODUCT

RUT200 is a compact and reliable cellular router with WAN failover, 2 Ethernet ports, and Cat 4 connectivity.



IN PARTNERSHIP WITH:







# WI-FI ROUTER FOR FORMULA 1 GRAND PRIX OPERATIONAL EFFICIENCY

## HIGHLIGHTS

- **Fiberland Srls**, a wireless Internet service provider (WISP) that focuses on telecommunications and quality Internet services, was chosen to distribute network connectivity for a point-of-sale (POS) system used in Italy's Formula 1 Grand Prix.
- The Formula 1 Grand Prix, hosting over 300,000 fans eager to watch the race, must ensure that each of the event's POS terminals maintains superb network connectivity for smooth transactions and operational efficiency.
- Our RUTX12 Wi-Fi router, along with a Starlink router acting as a backup, ensures the best connectivity for each POS terminal. Additionally, Fiberland has employed RMS for the remote management of both its Wi-Fi routers and POS terminals.

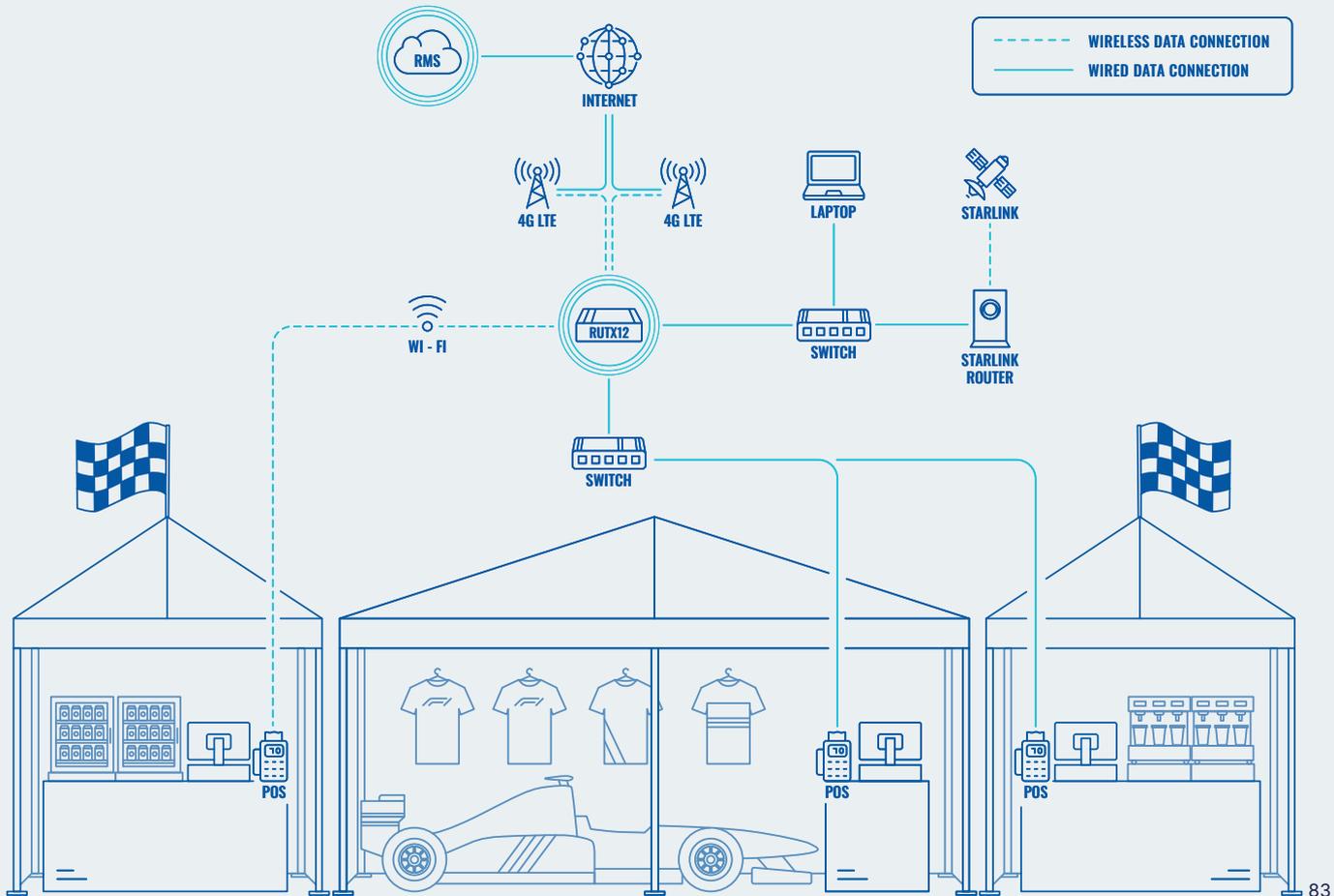
## PRODUCT

RUTX12 is a dual SIM, Cat 6 cellular router with load balancing and 2 modems for dual simultaneous connections.



IN PARTNERSHIP WITH:







# MULTI-USER MIMO 5G ROUTER FOR POP-UP AUTO SHOWS

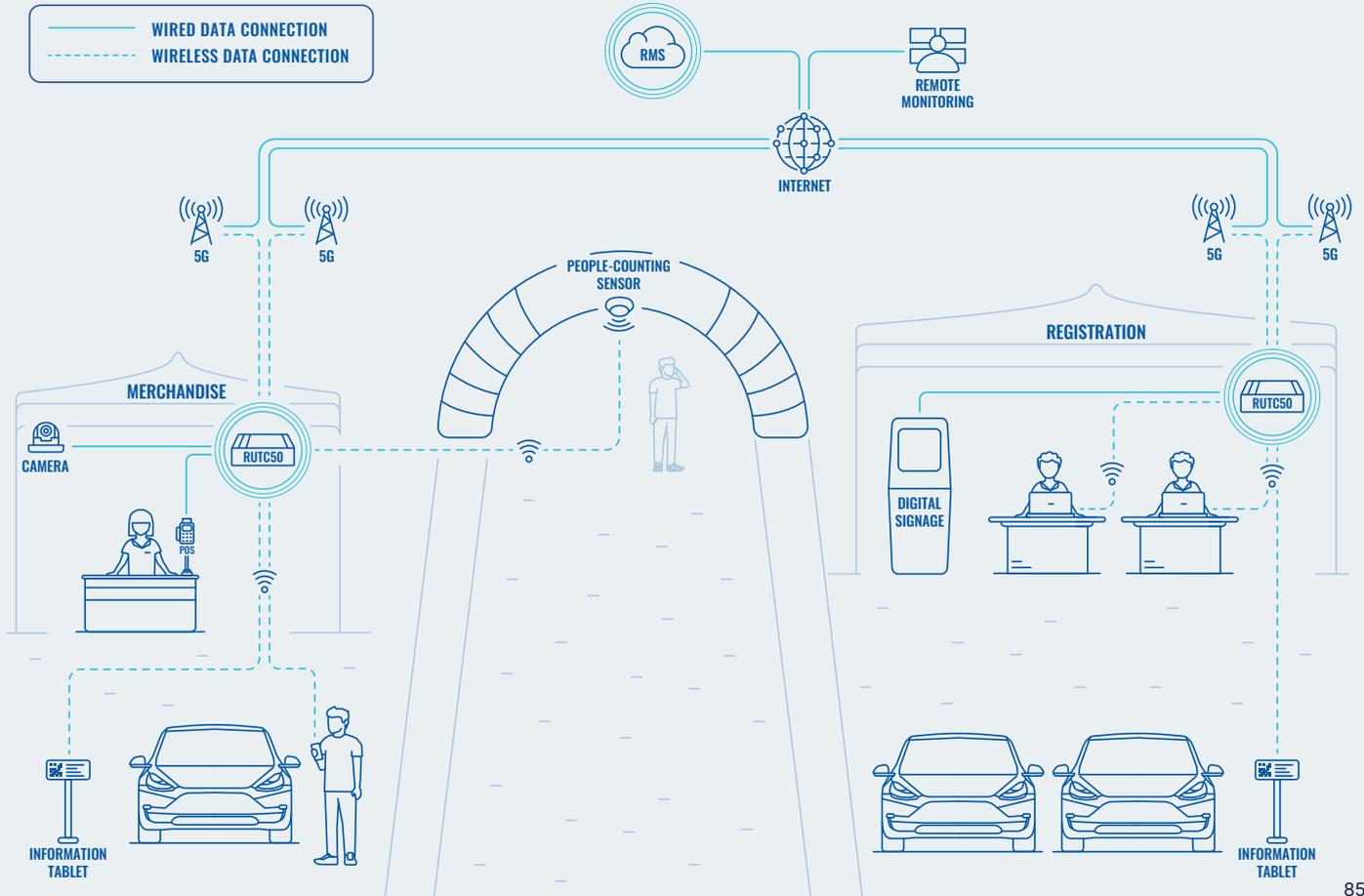
## HIGHLIGHTS

- ⚡ The larger the event, the higher its network complexity. Such is the case of pop-up auto shows, where hundreds of end devices demand reliable connectivity with high throughput, low latency, and robust wireless capabilities supporting all devices at once.
- ⚡ Delivering on all axes and more is the RUTC50 5G router, featuring a dual-band Wi-Fi 6 (802.11ax) with multi-user MIMO technology to support up to 512 users, and high processing power.
- ⚡ This dual-SIM 5G cellular router is also equipped with cellular speeds of up to 3.4 Gbps, five Gigabit RJ45 ports, auto-failover and GNSS functionality, and a wide range of both VPN and industrial protocol support.

## PRODUCT

RUTC50 is a dual-SIM 5G cellular router featuring multi-user MIMO Wi-Fi 6 and ultra-high speeds of up to 3.4 Gbps







# CENTRALIZED REMOTE VENDING MACHINE POS SYSTEM MANAGEMENT

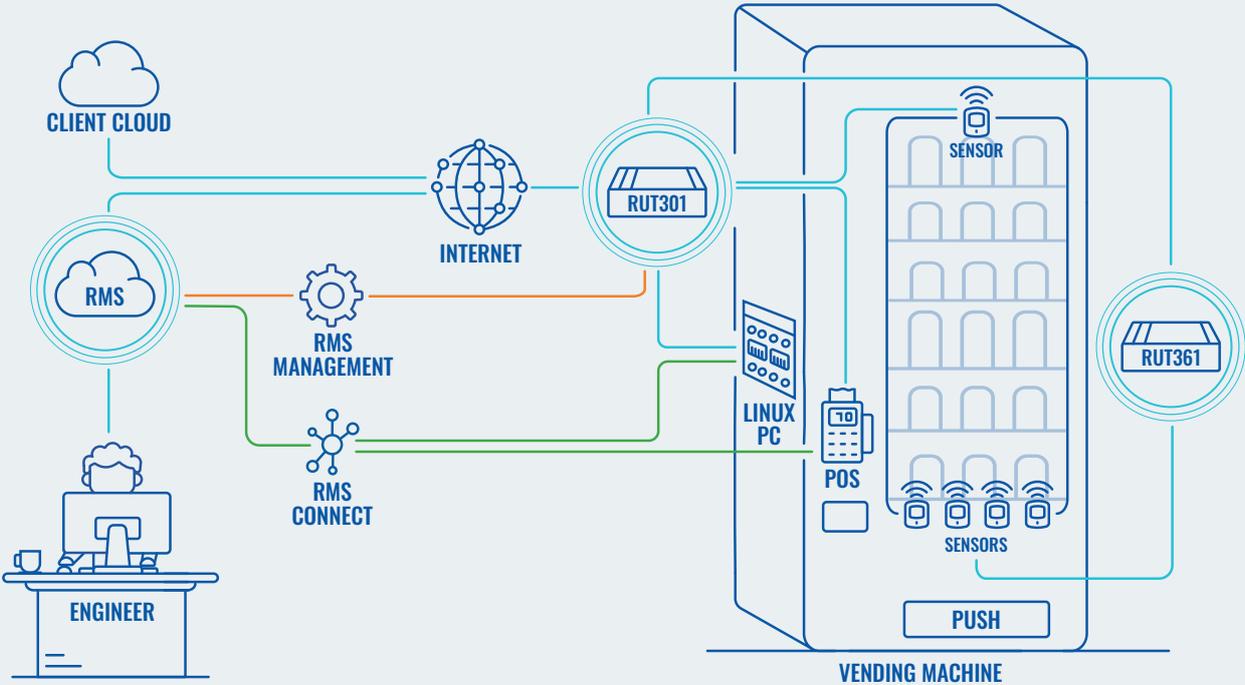
## HIGHLIGHTS

- ⚡ Vending machines have been around for centuries. Although they naturally changed over time and became more and more automated and started offering a wider variety of products, the main principle of operation stayed the same. In the current day, the popularity of vending machines is still on the rise, and there are several reasons for that. First, it does not require human presence and saves time in fast-paced environments, like stations, offices, or other public places. They also offer better availability being open 24/7, and do not need a lot of space, hence lower upkeep costs.

## PRODUCT

RMS is a user-friendly platform for remotely accessing and controlling your fleet of networking devices.

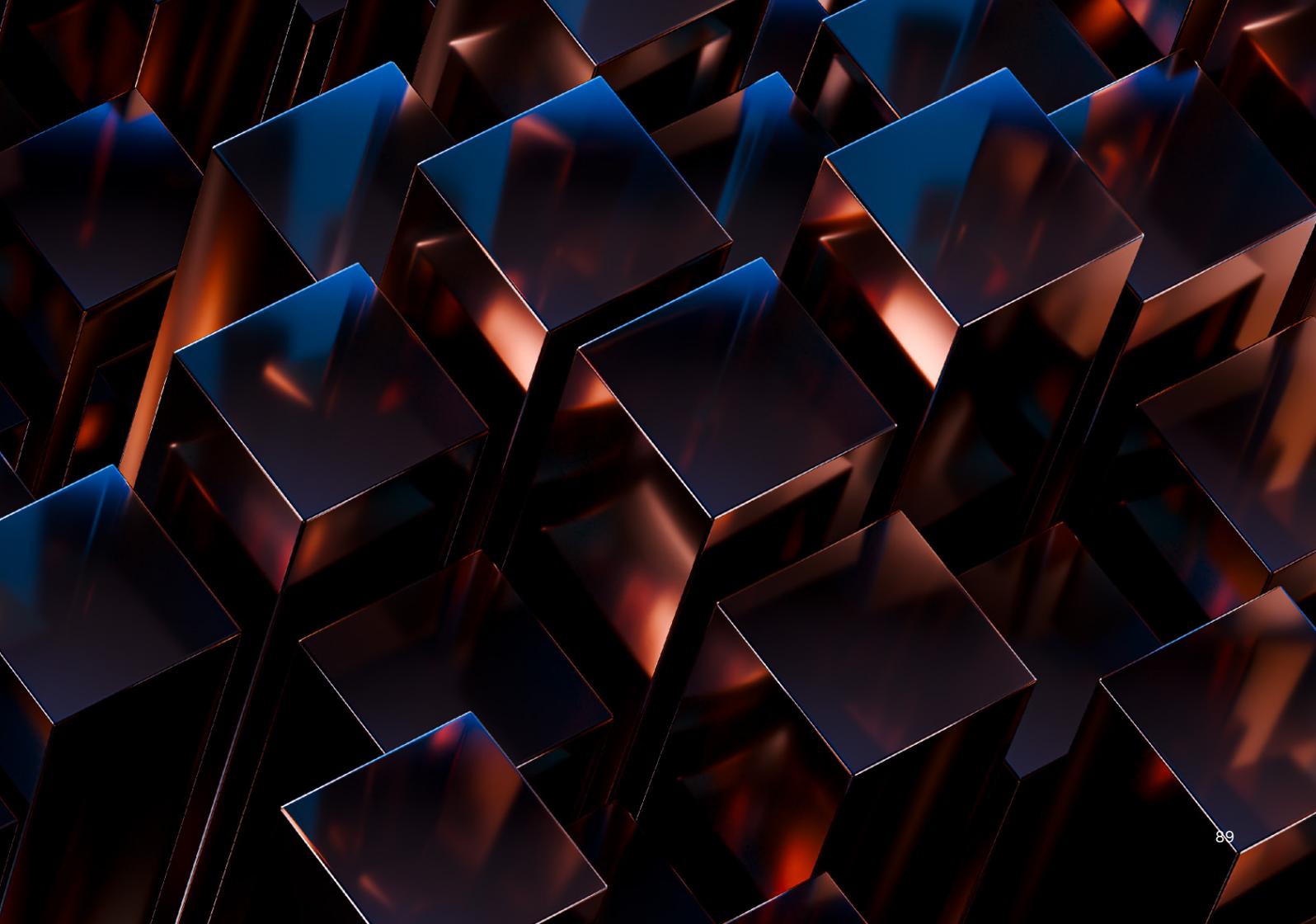




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