



CONNECTIVITY BROUGHT TO LIFE

Use case catalogue 2025

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.

TABLE OF CONTENTS

INDUSTRIAL & AUTOMATION

Automating & remote managing mine equipment across Australia	6
Easy and customizable remote capabilities for Siemens PLCs	8
5G router for fleet management of autonomous robots	10
Industrial 5G gateway for iC7 drive remote management	12
Wi-Fi mesh for autonomous pallet shuttles	14
Managed switch for superior car manufacturing precision	16

ENERGY & UTILITIES

IoT gateway for wastewater treatment remote monitoring	20
5G gateway for network slicing in smart grid infrastructure	22
M-Bus smart submetering for property utilities	24
Connectivity for energy storage systems scross Australia	26
Uninterrupted monitoring of industrial boiler rooms	28
Cellular router for FirstNet lift station remote monitoring	30

SMART CITY

Efficient parcel terminal management with RMS	34
Keeping road traffic flow safe and connected	36
Dual 5G router a connectivity lifeline for first responders	38
Mobile routers enable 4G connectivity for recycling machines	40
Cellular router for remote telescoping mast tower management	42
Water ski live streaming with Bondix Intelligence	44

TRANSPORTATION

Connectivity for passenger trains across Europe	48
5G router for RV internet & camping Wi-Fi	50
Bonding mobile routers for EV motorsports connectivity	52
4G router for automated tyre predictive maintenance system	54
Uninterrupted connection to the unwired edge cloud	56
Dual band Wi-Fi router connectivity for ferry passengers	58

ENTERPRISE

Securing networks with VLAN tagging in managed switches	62
5G router for port connectivity channel bonding	64
Upgrading out-of-band management with a cellular router	66
University faculty coverage with wireless access point	68
Accelerated password management with RMS	70
Secure network infrastructure for bank branches	72

RETAIL

Centralised remote vending machine POS system management	76
Connectivity for temperature sensors in insulated industrial refrigerators	78
Wi-Fi router for Formula 1 Grand Prix operational efficiency	80
Flat ethernet switch for self-service kiosks & terminals	82
Multi-user MIMO 5G router for pop-up auto shows	84
Cellular router for fail-safe ATM networks	86

A large industrial facility, likely a steel mill or manufacturing plant, with multiple levels of walkways, railings, and structural beams. A robotic arm is visible in the foreground, and bright lights illuminate the background, creating a hazy atmosphere.

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.



AUTOMATING & REMOTE MANAGING MINE EQUIPMENT ACROSS AUSTRALIA

Product

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

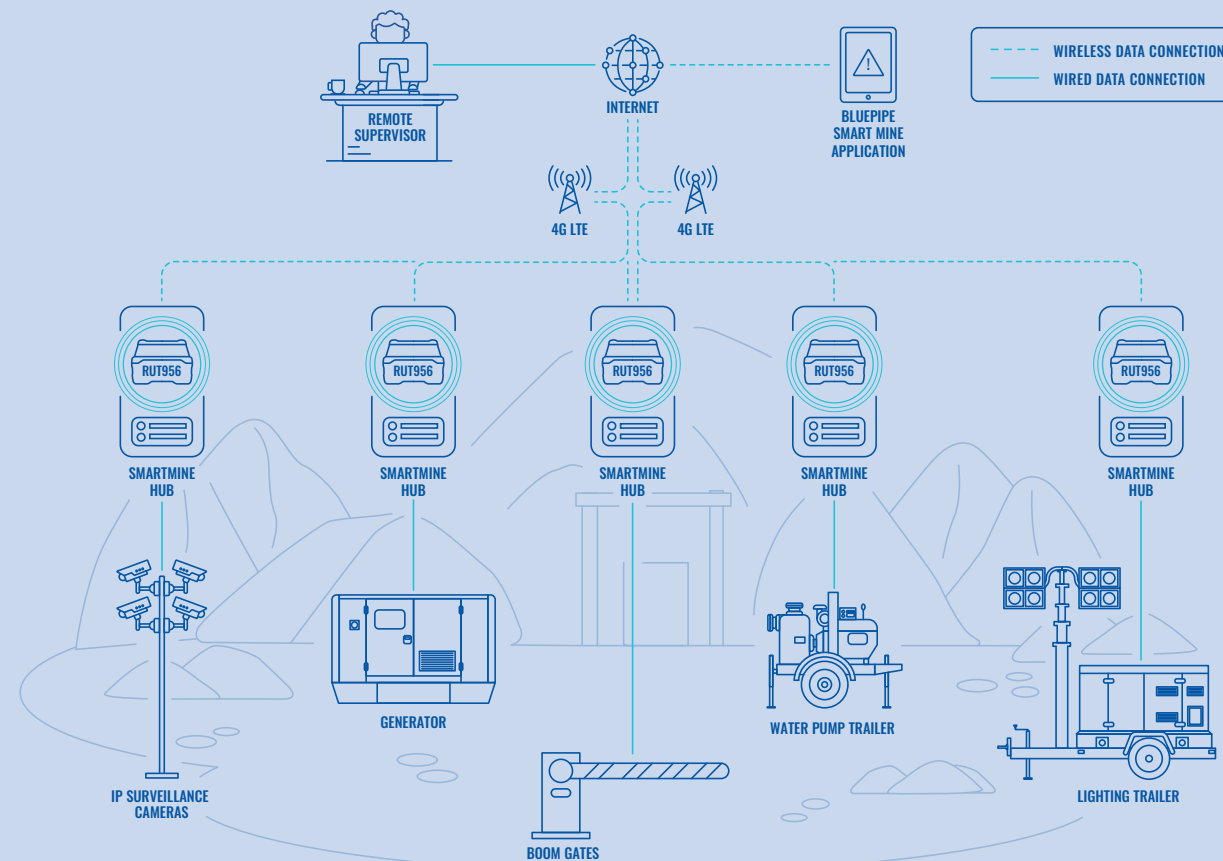


In partnership with

TERRAVISION

Highlights

- **TerraVision** is an Australian industry leader in real-time fleet management tracking, reporting, and information systems.
- Its mine equipment automation and remote management solution, the BluePipe Smart Mine system, requires robust, dependable, and customisable cellular connectivity in remote areas.
- Providing this connectivity is the RUT956 industrial cellular router of Teltonika. By allowing TerraVision to install custom software on the device, RUT956 helps automate mining operations by enabling the remote management and control of on-site equipment and proactive maintenance.





EASY & CUSTOMISABLE REMOTE CAPABILITIES FOR 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.

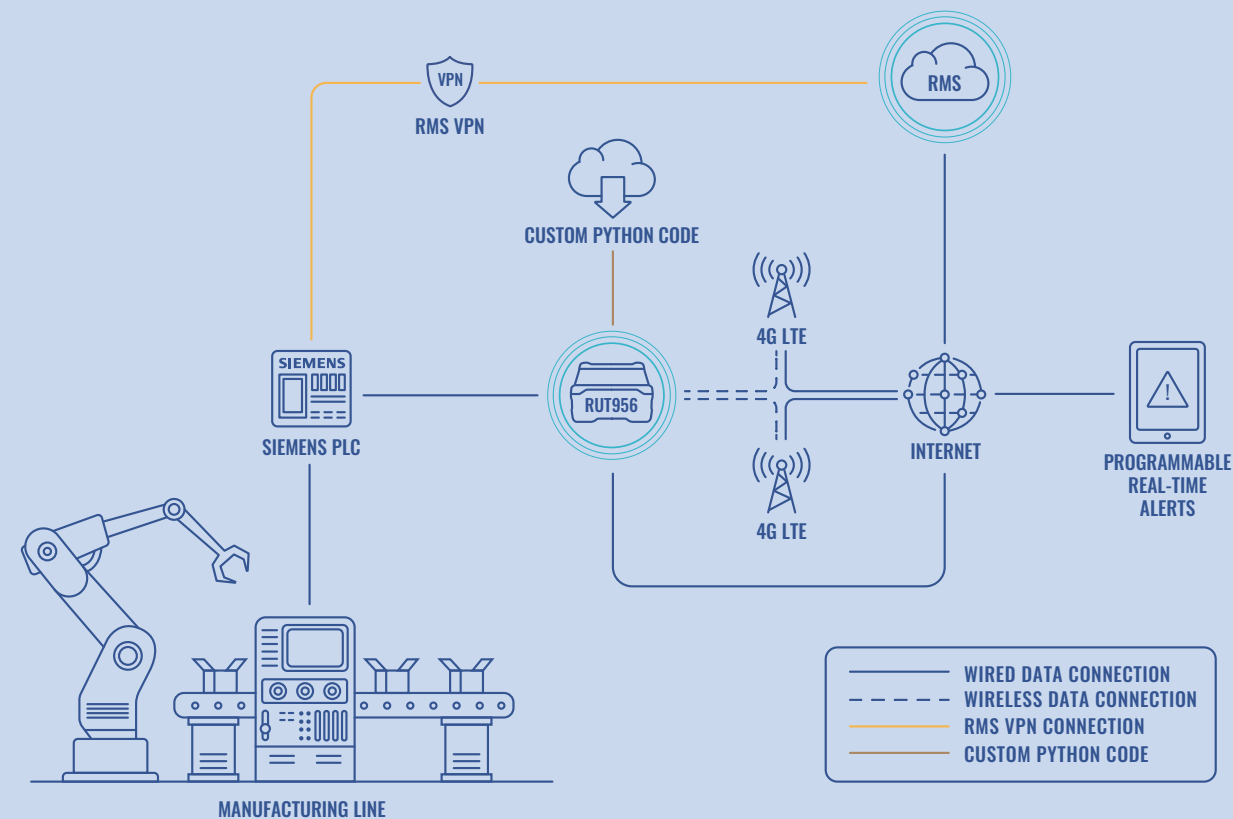


In partnership with



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.





5G ROUTER FOR FLEET MANAGEMENT OF AUTONOMOUS ROBOTS

Product

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

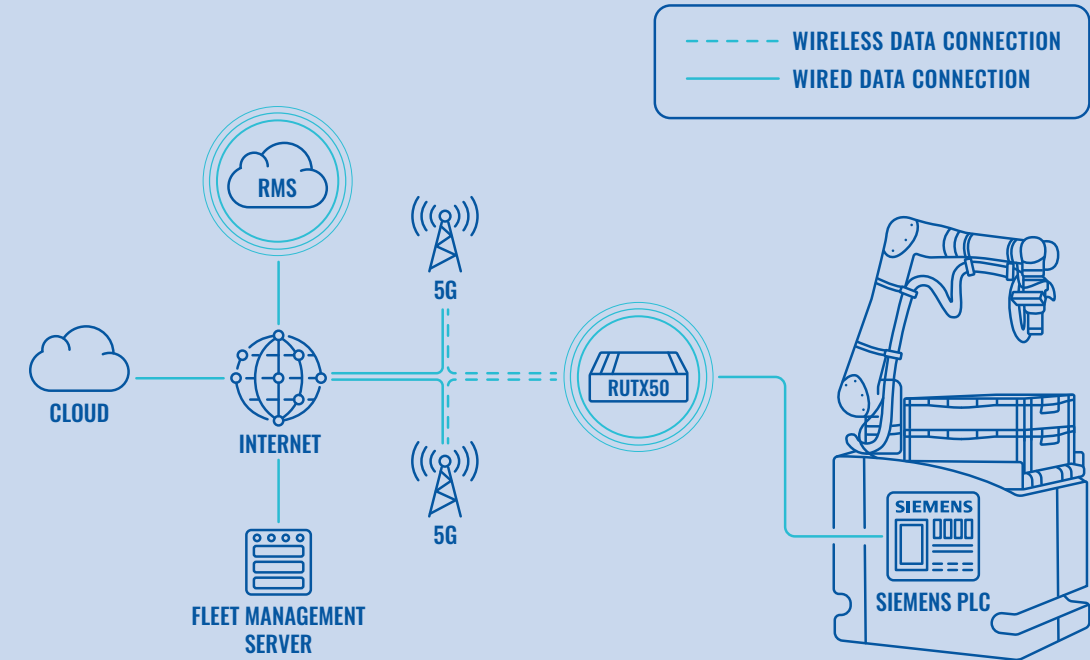


In partnership with



Highlights

- **GER4TECH Mechatronik GmbH** is an Austrian specialist in metal and mechatronics technology. It offers advanced automation solutions, including autonomous mobile robots.
- One of its robots, G4T4 – AMC, required a reliable and extremely fast network connection to efficiently perform labour tasks while transmitting all necessary data to GER4TECH's fleet management system. This is why Teltonika's RUTX50 5G router was chosen.
- With cellular speeds of up to 3.3 Gbps, support for multiple M2M industrial protocols, and remote management capability, the 5G router ensures that GER4TECH can provide an efficient solution for its clients facing labour shortages.





INDUSTRIAL 5G GATEWAY FOR IC7 DRIVE REMOTE MANAGEMENT

Product

TRB500 is an extra-compact, energy-efficient 5G gateway featuring ultra-high cellular speeds of up to 1 Gbps.

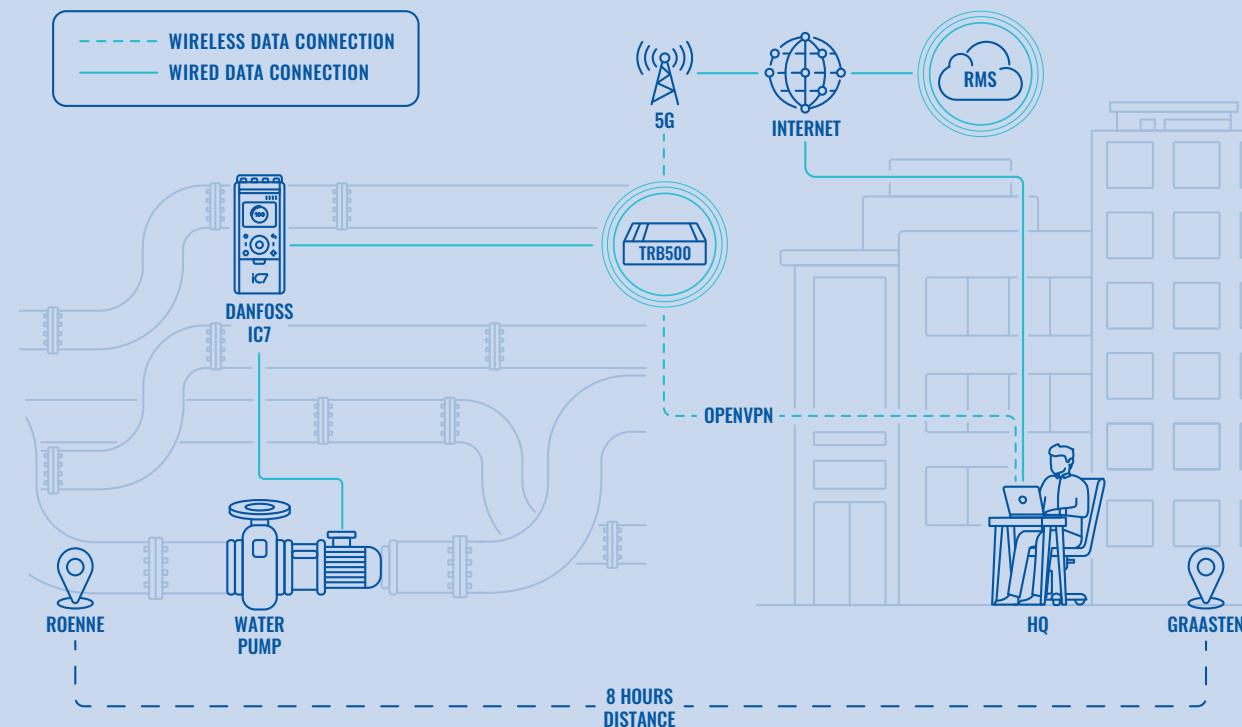


In partnership with



Highlights

- **Danfoss** is a Danish technology manufacturer on a mission to decarbonise the world. Their goal is to increase energy efficiency and reduce CO2 emissions.
- The iC7 series is an industrial IoT drive created by Danfoss, helping our partner to achieve its sustainability goals. Continuous and uninterrupted connectivity is vital for this device to operate successfully in an IIoT context.
- Danfoss used the TRB500 5G gateway by Teltonika, allowing for remote monitoring and management via RMS.





WI-FI MESH FOR AUTONOMOUS PALLET SHUTTLES

Product

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

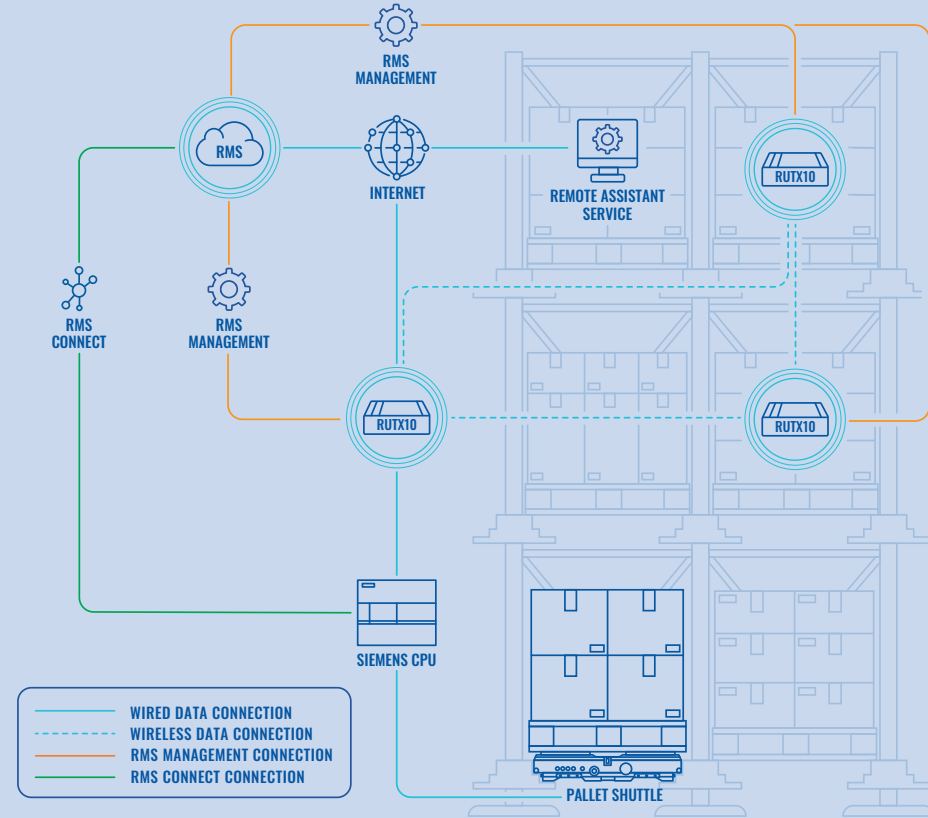


In partnership with



Highlights

- **Anit Otomasyon** is a Turkish technology company that concentrates on offering inventive solutions for industrial automation.
- The company was tasked with automating a remote warehouse and creating an integrated system of machinery and software for M2M communication and remote management capabilities.
- Using our RUTX10 industrial routers and RMS platform, Anit Otomasyon established a unified system that ensured fool-proof connectivity thanks to Wi-Fi mesh functionality and the RMS Management and Connect services.





MANAGED SWITCH FOR SUPERIOR CAR MANUFACTURING PRECISION

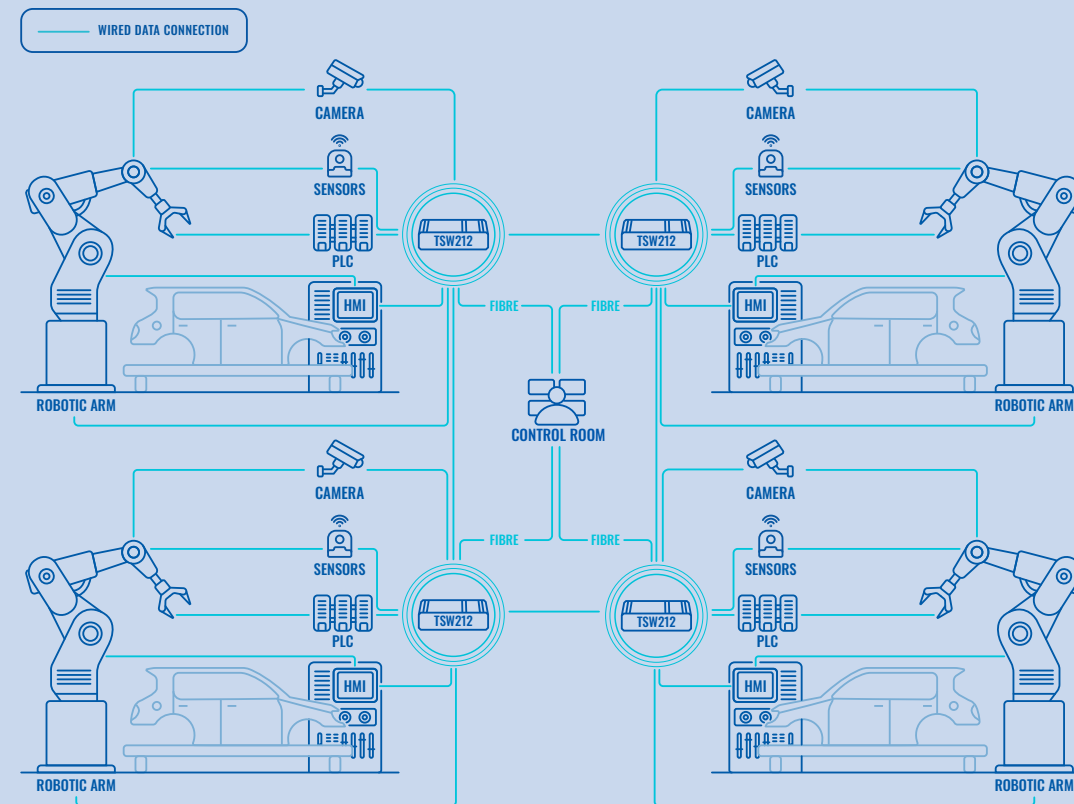
Product

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



Highlights

- Car manufacturing facilities can achieve utmost performance primarily through automation. Their equipment demands robust network connectivity, but must also be continuously and precisely controlled and monitored at all times.
- The TSW212 managed switch is the puzzle piece completing this challenge, seamlessly integrating all facility equipment into one cohesive system and providing granular network management through its port management and QoS features.
- With support of protocols like EtherNet/IP, Profinet, and MRP, this managed switch facilitates automated data processing and supports MRP systems for establishing ring topologies between devices, which are essential for reducing the risk of production delays to the minimum.



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.





IOT GATEWAY FOR WASTEWATER TREATMENT REMOTE MONITORING

Product

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

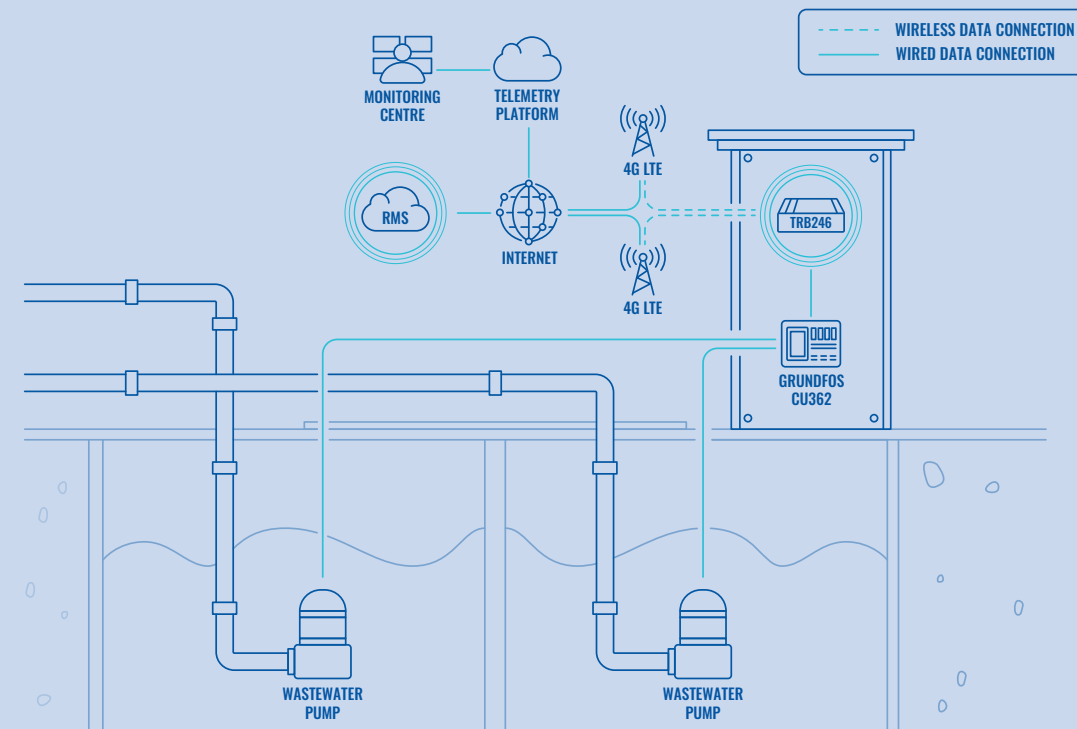


In partnership with



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.





5G GATEWAY FOR NETWORK SLICING IN SMART GRID INFRASTRUCTURE

Product

TRB500 is an extra-compact, energy-efficient 5G gateway featuring ultra-high cellular speeds of up to 1 Gbps.

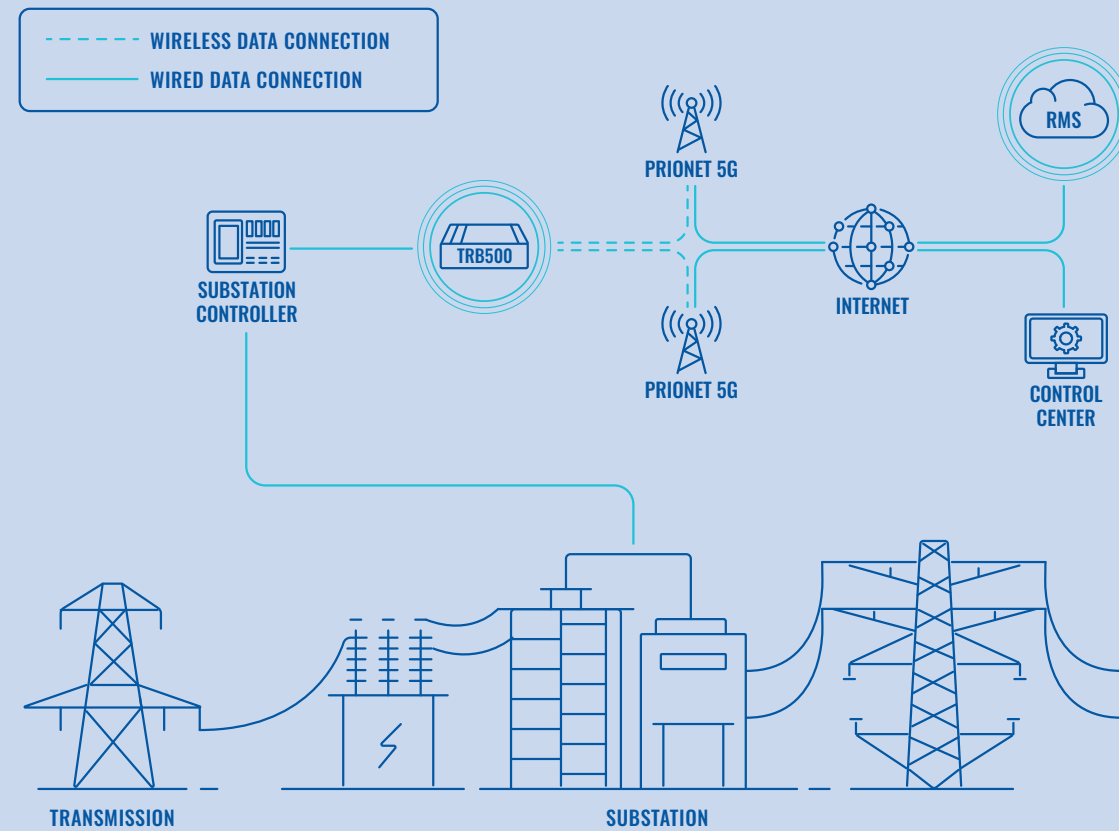


In partnership with



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 TRB500 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.





M-BUS SMART SUBMETERING FOR PROPERTY UTILITIES

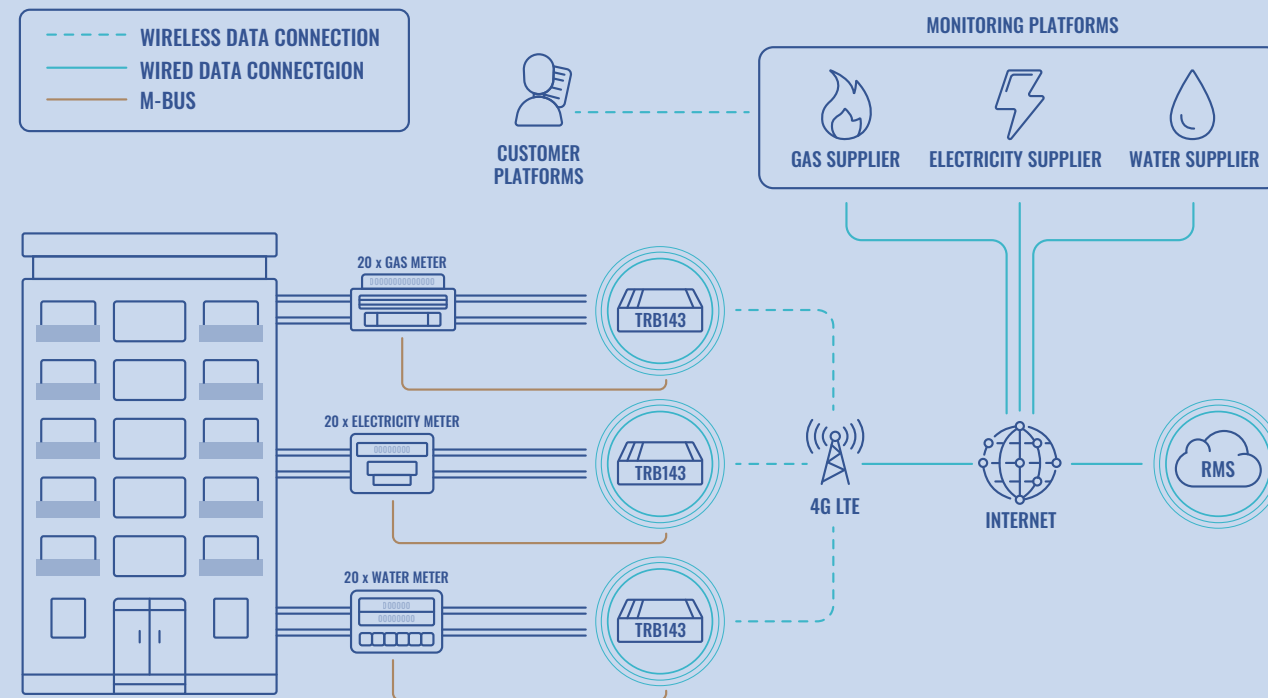
Product

TRB143 is a compact, telemetry-focused cellular gateway with M-Bus support, 2 digital I/Os, and a Gigabit Ethernet port.



Highlights

- In the world of Industry 4.0 property utilities, keeping an IoT solution simple can be difficult. Multiple parameters must be measured separately and transferred to multiple cloud servers of multiple utility suppliers, such as electricity, water, and gas.
- Difficult, but far from impossible. Our TRB143 gateway features the M-Bus interface, allowing it to transfer telemetry data from up to 250 self-powered meters over a 4G network, and it can power up to 6 meters over M-Bus as well.
- This industrial gateway offers efficient telemetry and scalability without sacrificing reliability, security, or durability. When it comes to smart submetering, the TRB143 is the perfect fit!





CONNECTIVITY FOR ENERGY STORAGE SYSTEMS ACROSS AUSTRALIA

Product

RUT241 is a compact cellular router, providing Cat 4 connectivity with WAN failover and 2 Ethernet ports.

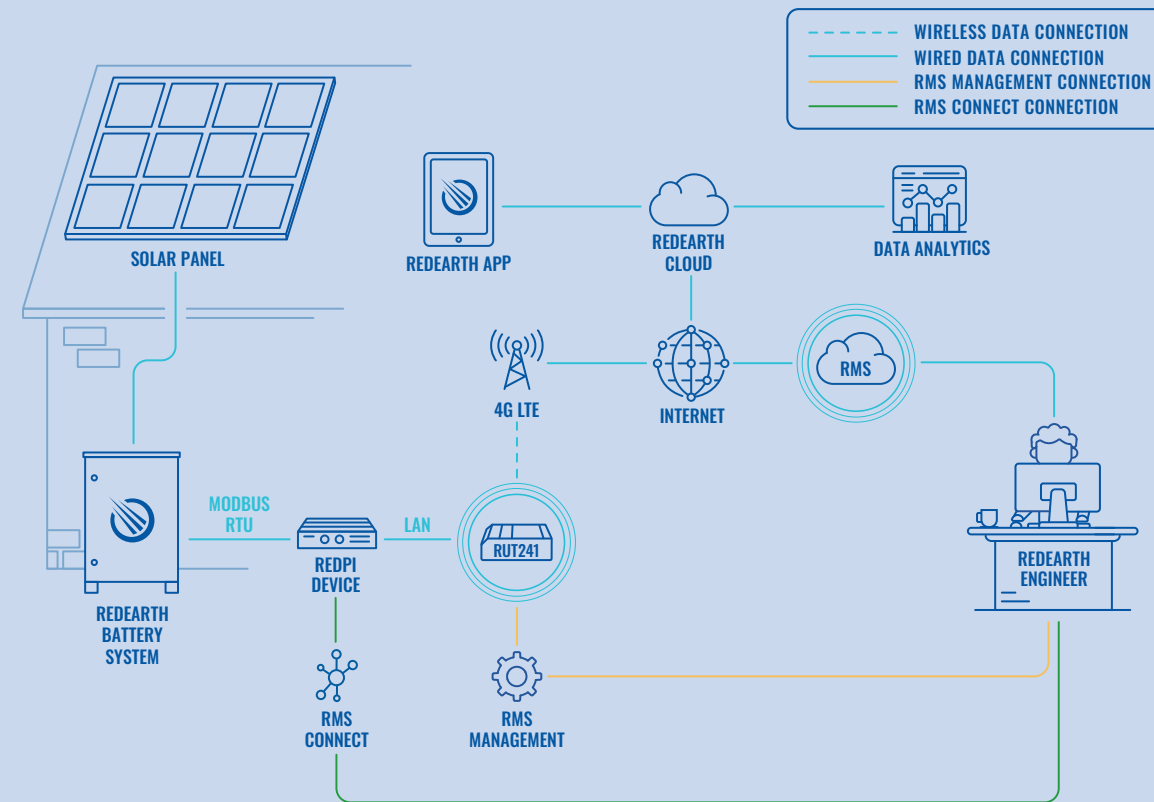


In partnership with



Highlights

- **RedEarth** is an Australian manufacturer of on and off-grid energy storage systems and batteries, providing electricity to residential and business clients throughout Australia.
- In order to ensure remote management and automated data tracking and analysis, its storage systems needed reliable connectivity. The problem was – reliable connectivity is scarce in rural Australia.
- RUT241 was chosen to enable this solution with uninterrupted 4G connectivity, alongside RMS Connect for remotely reaching and updating end devices easily and securely.





UNINTERRUPTED MONITORING OF INDUSTRIAL BOILER ROOMS

Product

TRB142 is a compact, lightweight, and energy-efficient gateway equipped with mission-critical LTE connectivity.

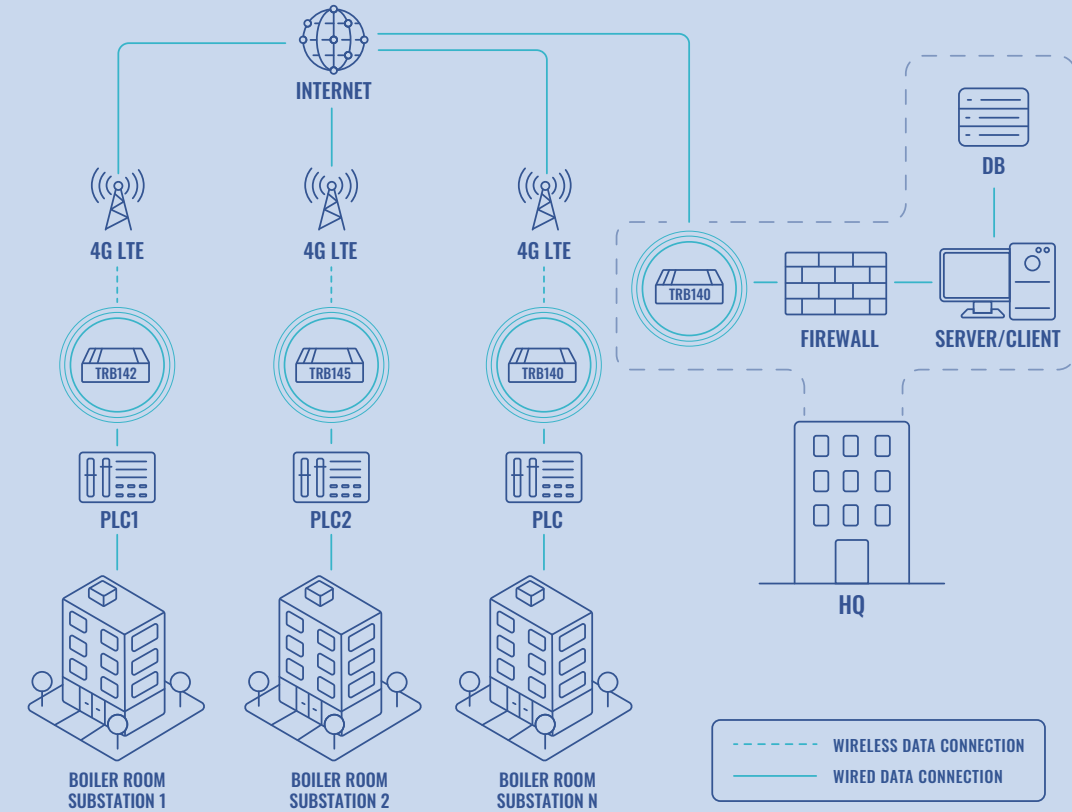


In partnership with



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.





CELLULAR ROUTER FOR FIRSTNET LIFT STATION REMOTE MONITORING

Product

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

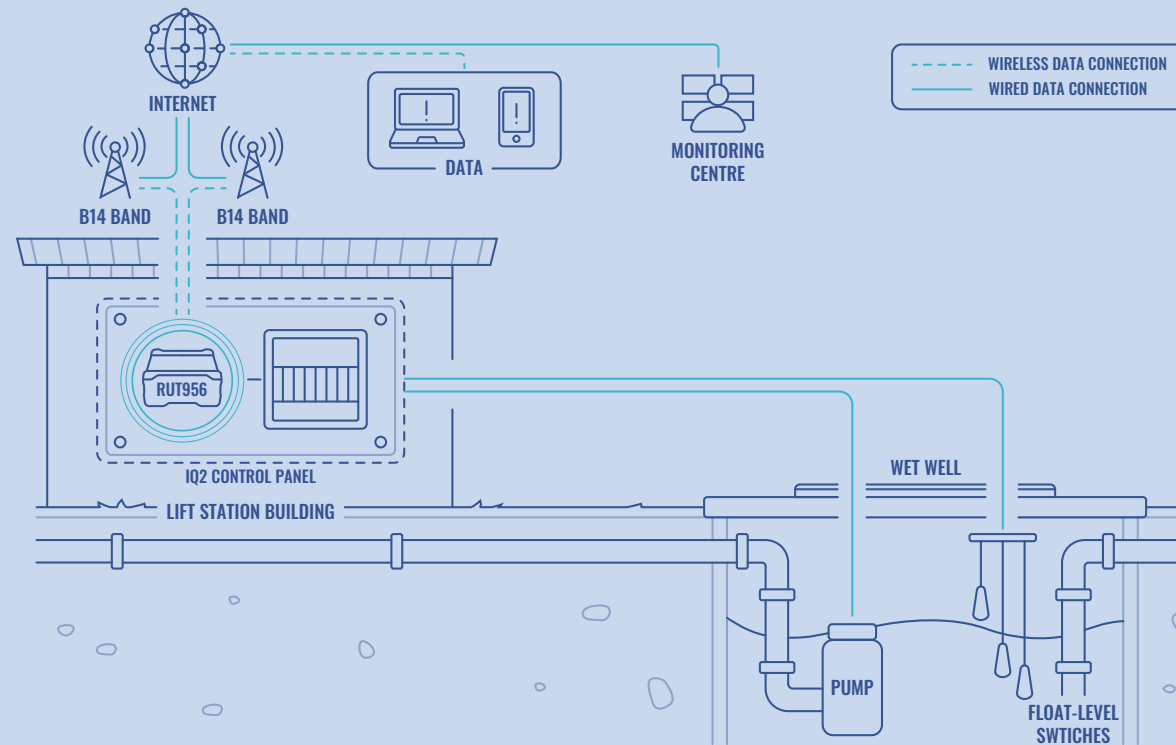


In partnership with



Highlights

- **LEC** is a U.S.-based automation and integration specialist dedicated to providing its clients with industrial automation, control engineering, and industrial IoT enablement and cloud platform services of the highest quality.
- Its iQ2 remote management tool provides IoT remote monitoring and management capabilities to lift stations across the U.S. by transmitting critical data through the FirstNet cellular network to the iQ2 platform, allowing for quick response to alarms.
- This data transmission requires a reliable, FirstNet-certified 4G LTE router – the RUT956. This cellular router checks all the boxes by providing this solution with seamless, uninterrupted connectivity, interface versatility, and support of a wide range of industrial protocols.



The background image is a wide-angle, high-angle shot of a city at night. The city is illuminated with various lights, and a complex, glowing blue digital network is superimposed over the entire scene. This network consists of numerous small dots connected by thin lines, creating a mesh-like structure that covers the city and extends into the dark sky. The city lights are primarily warm-toned (yellows, oranges, reds), while the digital overlay is a cool blue. The overall effect is one of a highly connected, intelligent urban environment.

SMART CITY

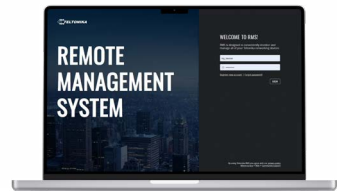
Modern life is an orchestra of smart devices. Teltonika networking devices facilitate steadfast communication between connected sensors and machines, creating the infrastructure for maximising efficiency and safety while minimising costs.



EFFICIENT PARCEL TERMINAL MANAGEMENT WITH RMS

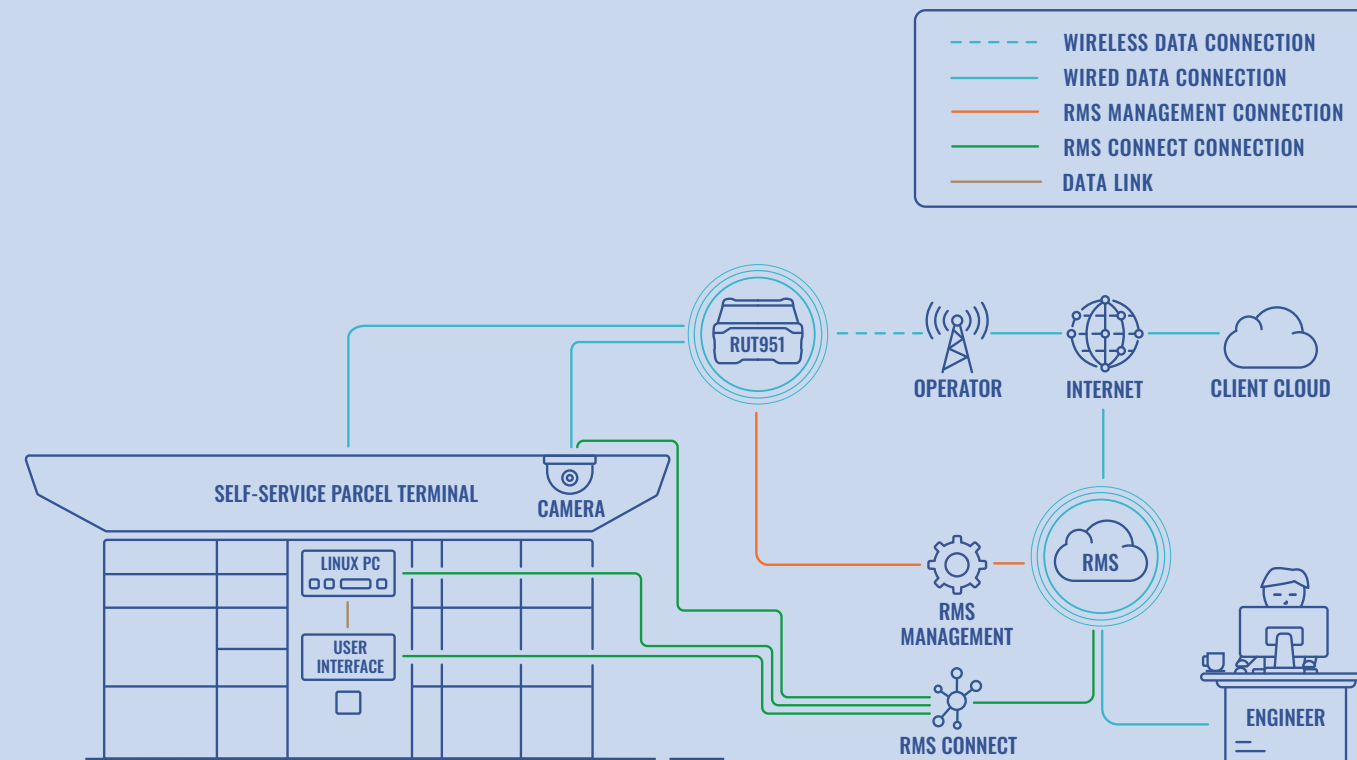
Product

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



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 far 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!





KEEPING ROAD TRAFFIC FLOW SAFE AND CONNECTED

Product

RUTX11 is a dual SIM, dual-band Wi-Fi cellular router with Cat 6 connectivity and 4 Gigabit Ethernet ports.

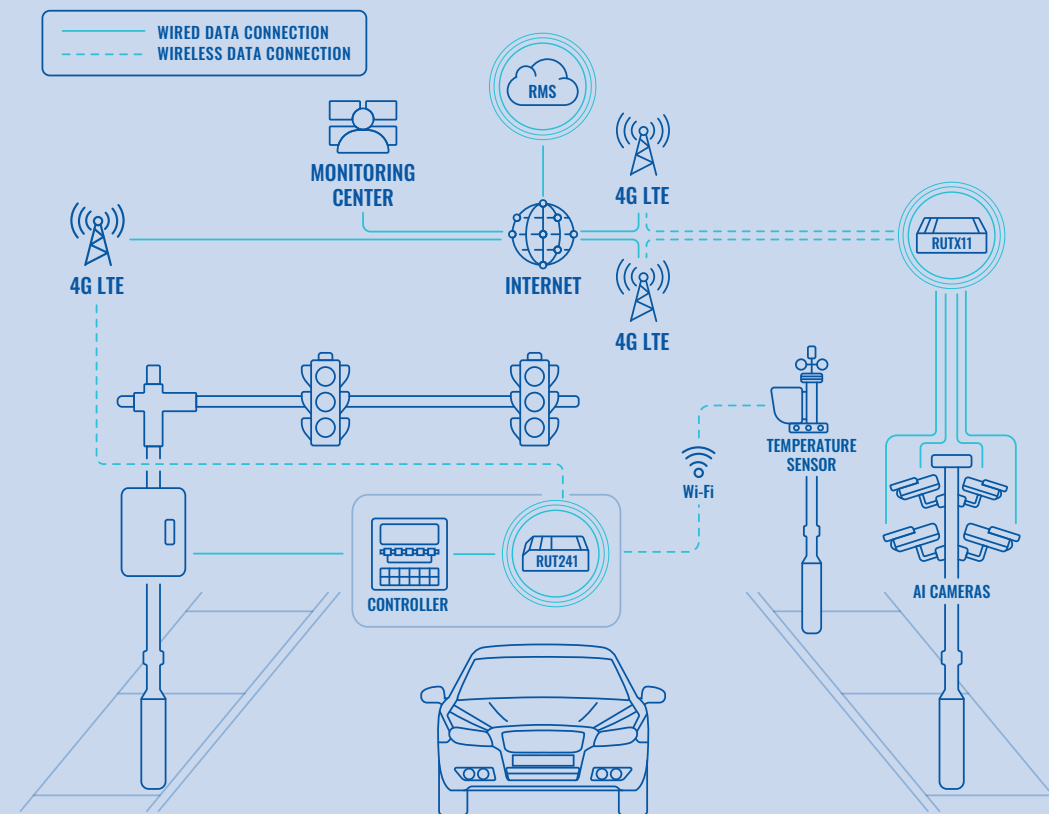


In partnership with



Highlights

- **The Pereira Mobility Institute** is a Colombian governmental Institute that's responsible for supervising the Pereira municipality region and integrating mobility improvements that adhere to national laws, with one of the focuses of the Institute being traffic control.
- The Institute got a request to implement a cohesive traffic light system for the capital city of Pereira, which would enable remote monitoring and control. However, that's only half of the request. It also needed to ensure the entire system is safe and immune to cyberattacks.
- For this solution, it chose the trio of our RUT241, RUTX11, and OpenVPN, which enabled robust and uninterrupted network connectivity for seamless M2M communication with great security as a cherry on top.





DUAL 5G ROUTER: A CONNECTIVITY LIFELINE FOR FIRST RESPONDERS

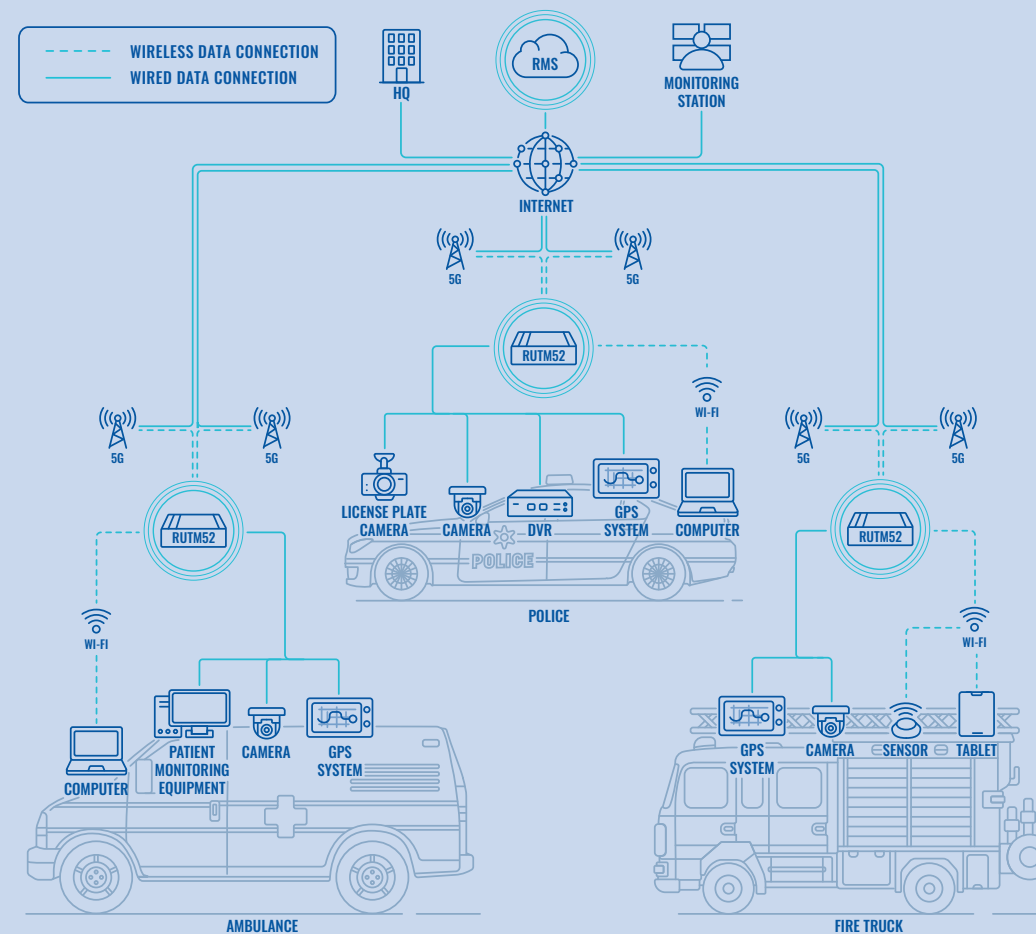
Product

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



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.





MOBILE ROUTERS ENABLE 4G CONNECTIVITY FOR RECYCLING MACHINES

Product

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

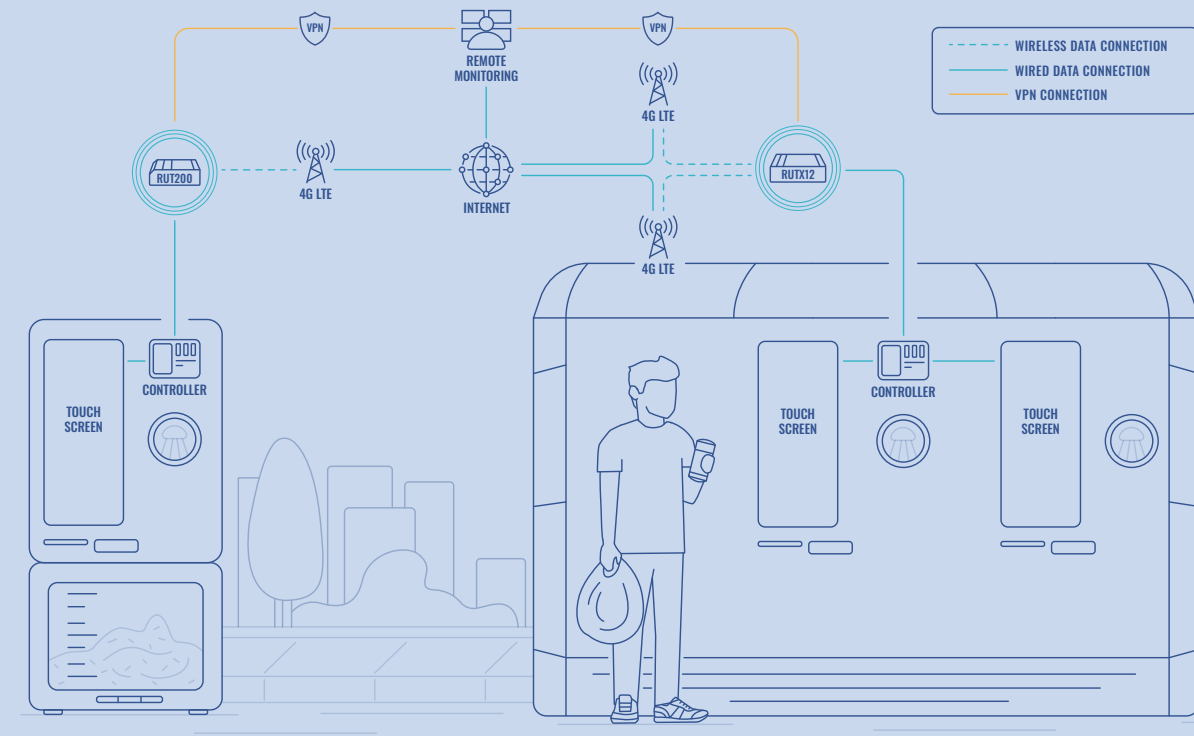


In partnership with



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 realtime 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.





CELLULAR ROUTER FOR REMOTE TELESCOPING MAST TOWER MANAGEMENT

Product

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

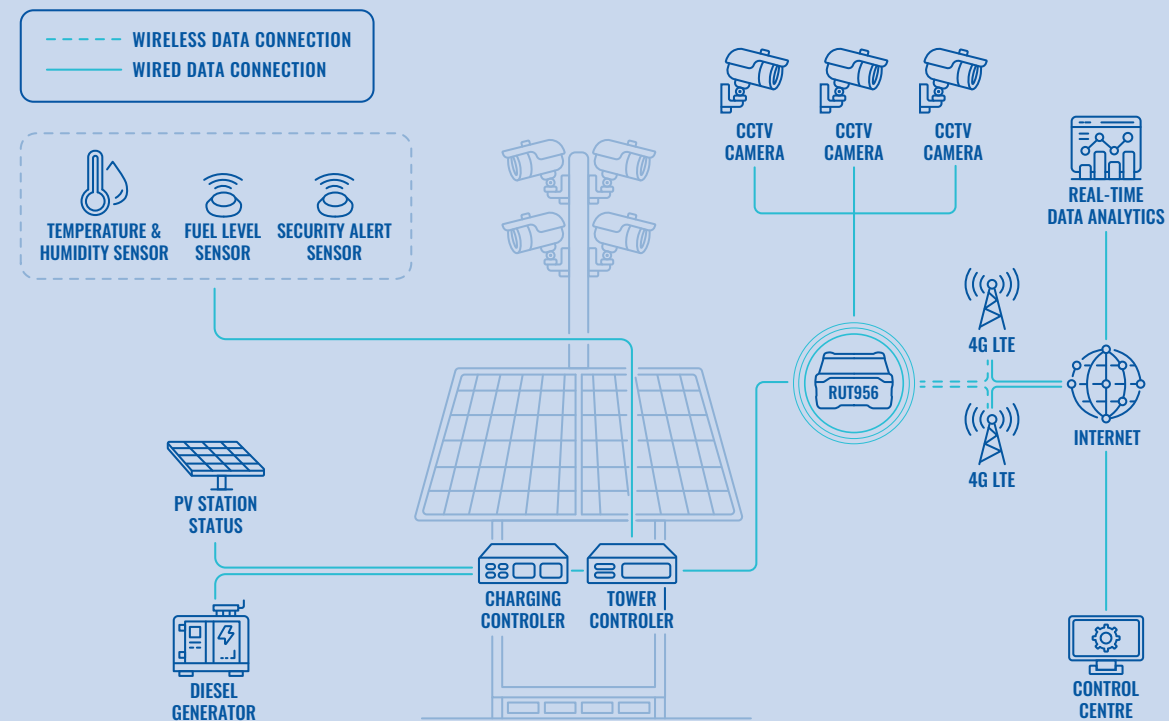


In partnership with



Highlights

- **mTower** LLC is a Polish manufacturer of mobile telescopic masts, providing elevation solutions to a myriad of projects, applications, and sectors across Europe.
- To enable remote monitoring and management capabilities in its telescoping masts, mTower chose the RUT956 industrial cellular router.
- This 4G router's dual SIM functionality with auto-failover ensures an uninterrupted connection, while a wide range of interfaces and supported protocols enable seamless data transmission with minimal complexity.





WATER SKI LIVE STREAMING WITH BONDIX INTELLIGENCE

Product

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

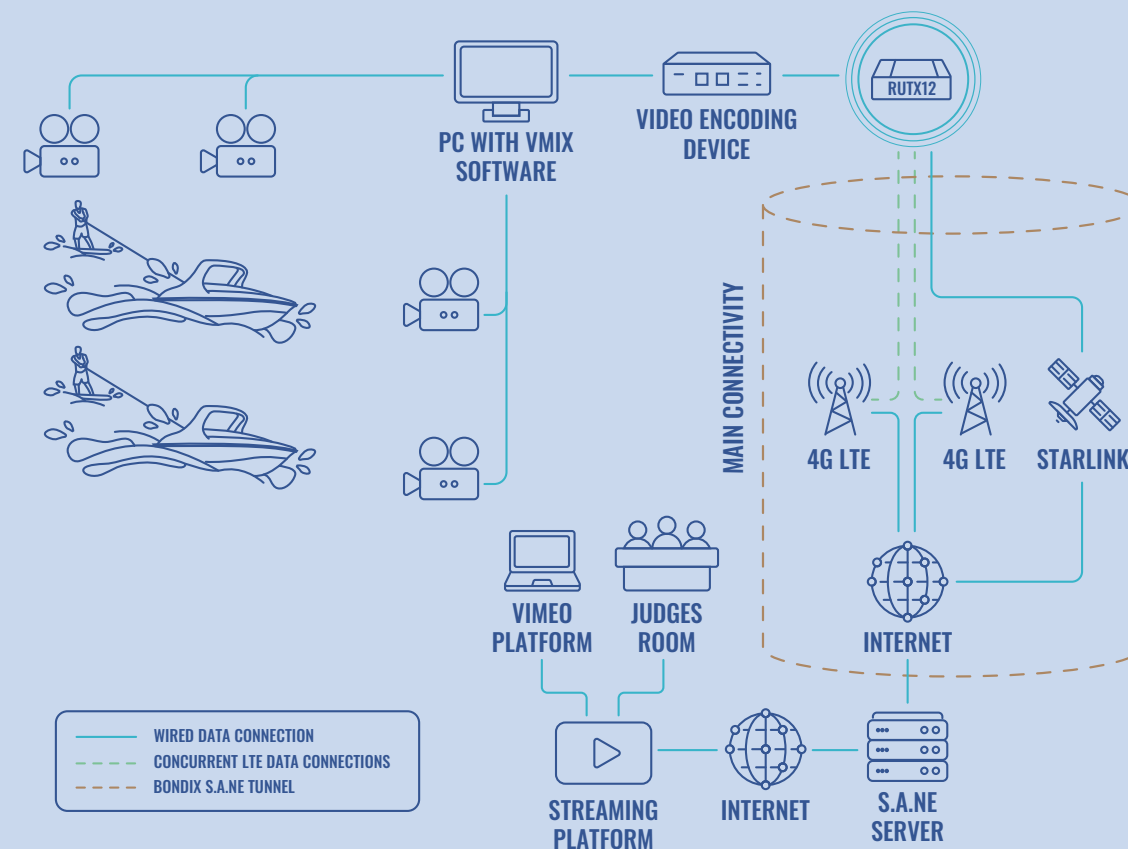


In partnership with



Highlights

- **LTP Streaming** is a streaming service provider responsible for ensuring smooth and uninterrupted, multi-camera live streams for all types of events and industries.
- **Bondix Intelligence** provides network bonding services by establishing extremely-high bandwidths that are especially useful when you need network connectivity in rural areas.
- LTP Streaming chose our RUTX12 and Bondix Intelligence services to establish a successful live stream of “The Ultimate DUEL Waterski Battle” in a rural countryside area with subpar Internet capabilities.





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.



CONNECTIVITY FOR PASSENGER TRAINS ACROSS EUROPE

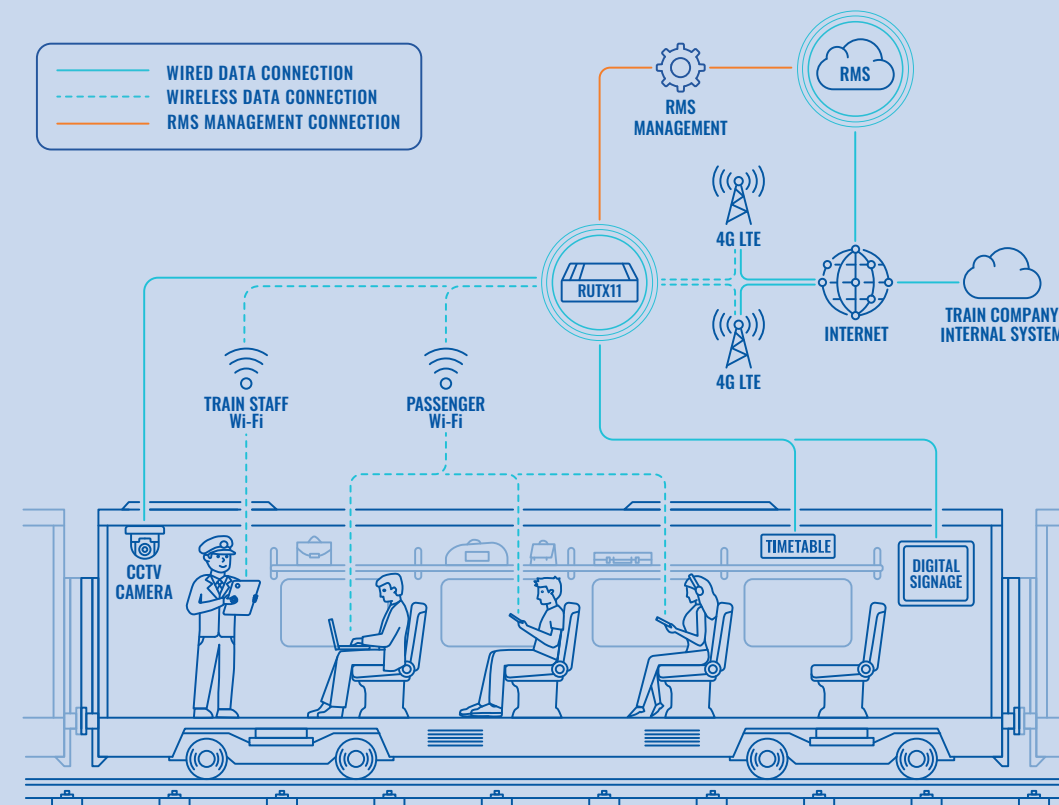
Product

RUTX11 is a dual SIM, dual-band Wi-Fi cellular router with Cat 6 connectivity and 4 Gigabit Ethernet ports.



Highlights

- Passenger trains, as a lower-emissions means of transportation, are growing in popularity in Europe. This increases the demand for railway connectivity for both passenger and operational benefits.
- RUTX11 has recently become EN 45545-2-certified, meaning it is safe and approved for use in passenger trains.
- This powerful, LTE Cat 6 networking device has a long list of features that help it excel in its new role of providing passenger train connectivity, including Wave-2 802.11ac Dual Band Wi-Fi, four Gigabit Ethernet ports, Dual SIM, and easy remote management capabilities.





5G ROUTER FOR RV INTERNET & CAMPING WI-FI

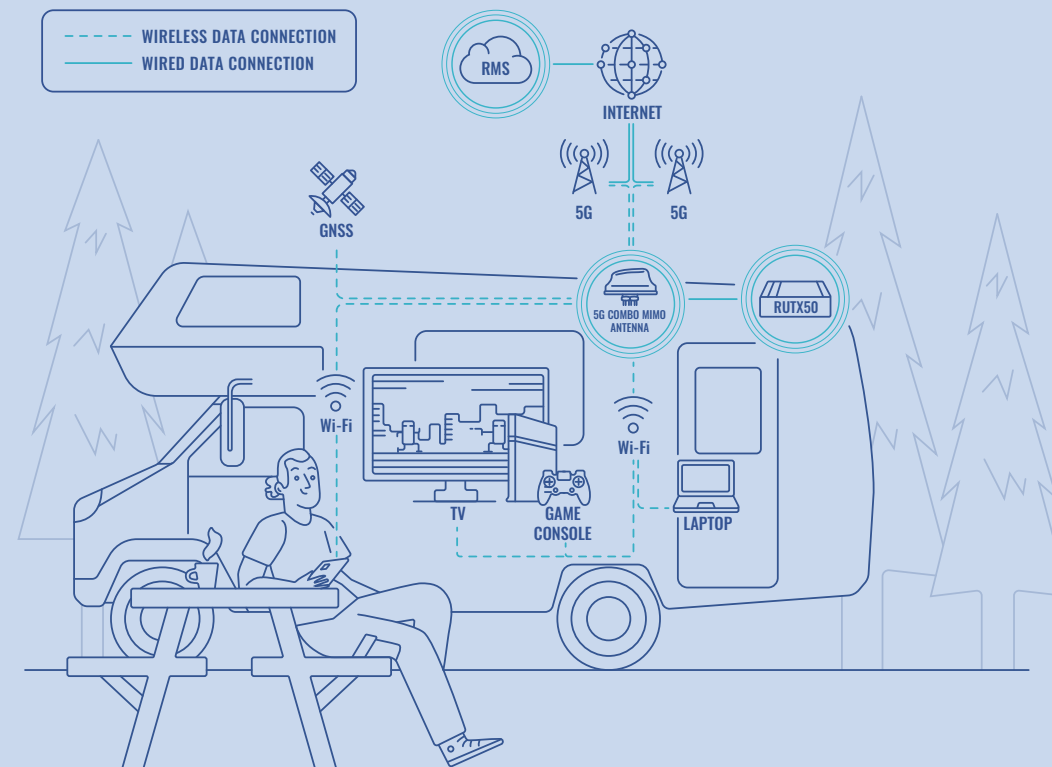
Product

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



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.





BONDING MOBILE ROUTERS FOR EV MOTORSPORTS CONNECTIVITY

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

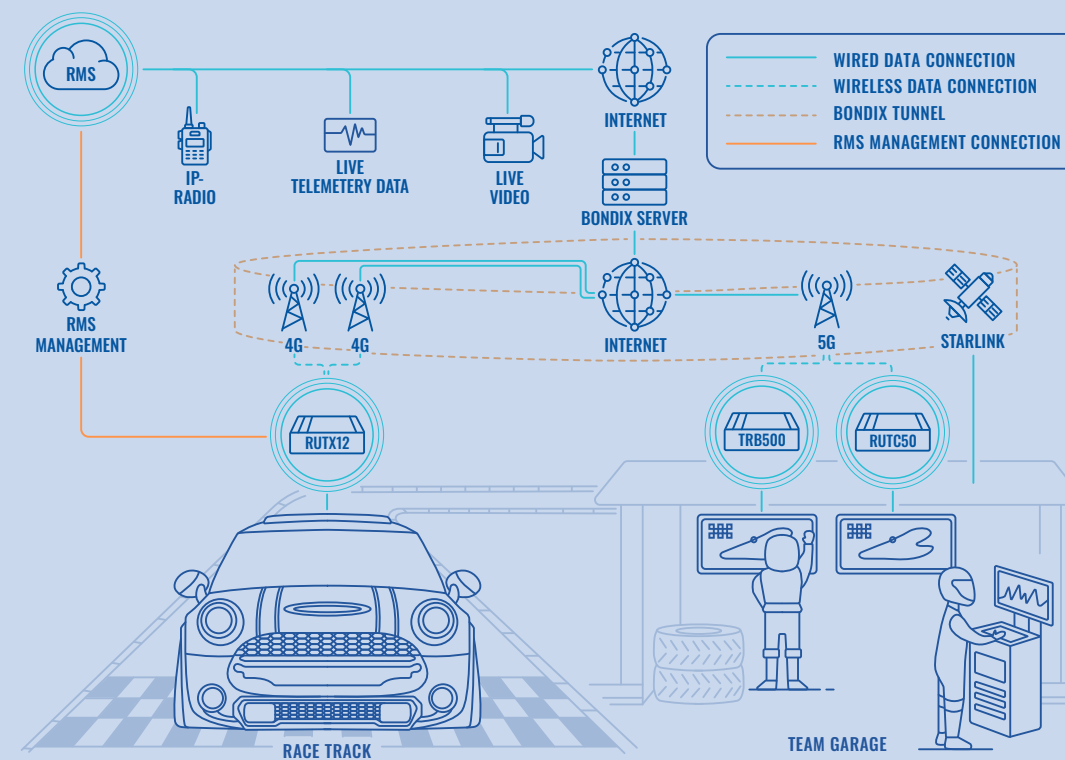


In partnership with

bandix®
by SIMA

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.





4G ROUTER FOR AUTOMATED TYRE PREDICTIVE MAINTENANCE SYSTEM

Product

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

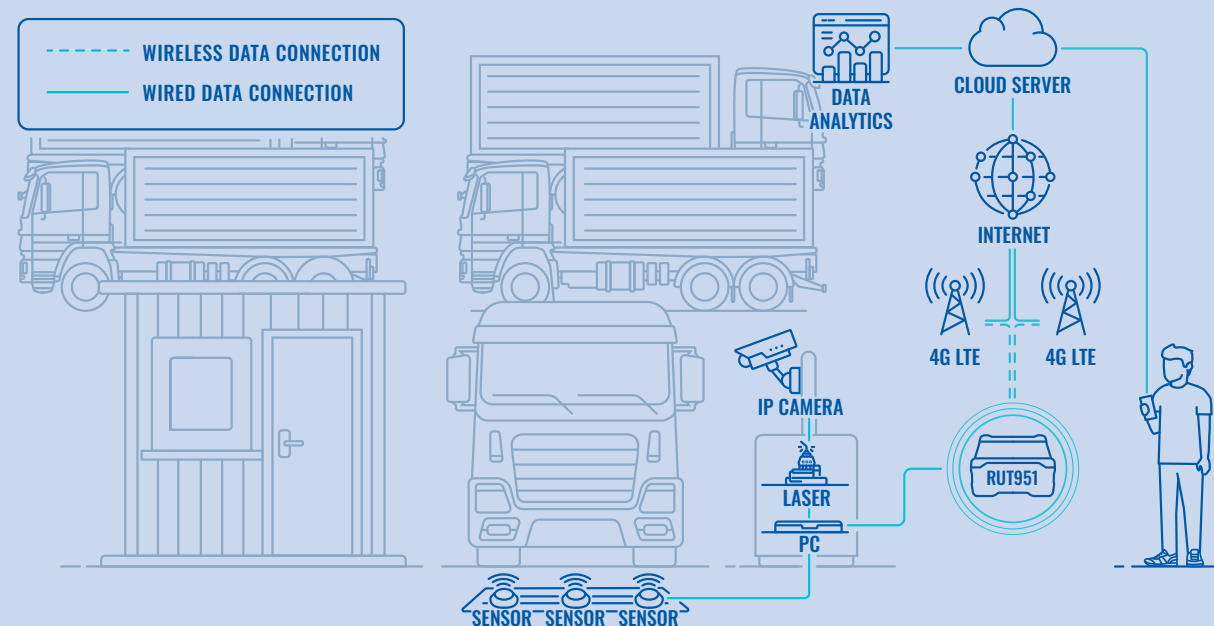


In partnership with



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.





UNINTERRUPTED CONNECTION TO THE UNWIRED EDGE CLOUD

Product

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



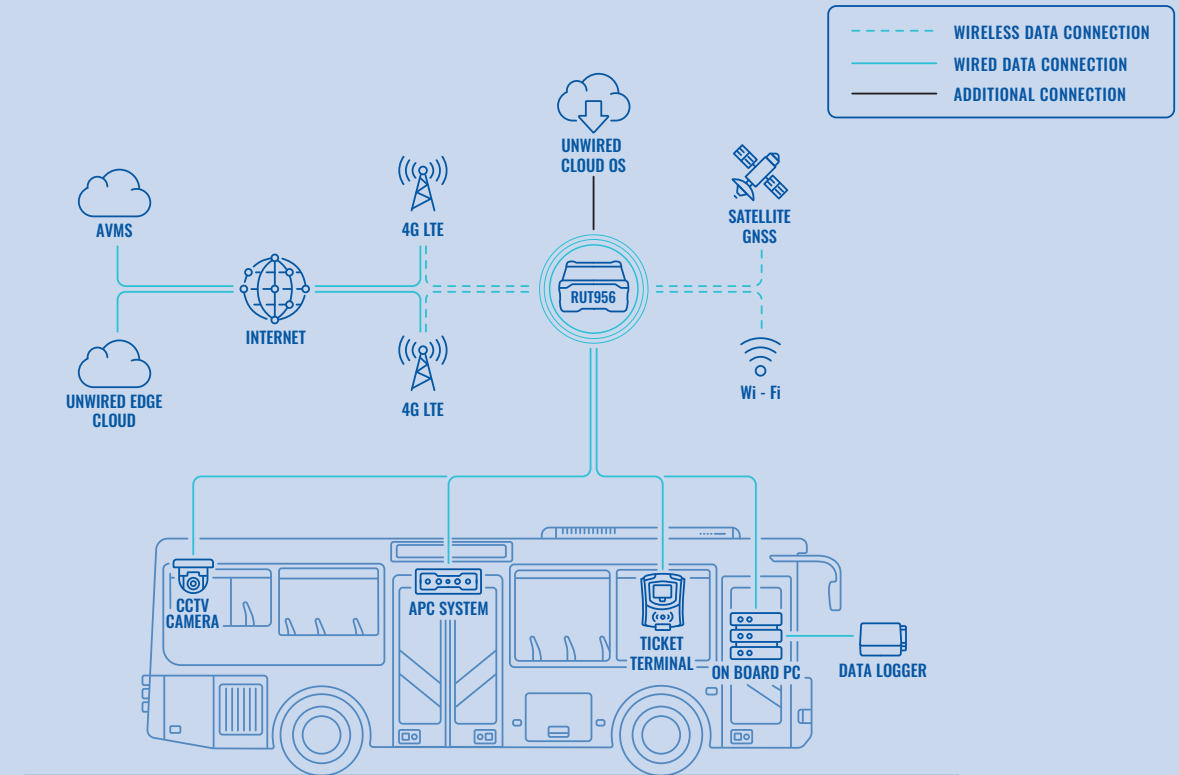
In partnership with

POSTBUS
Ein Unternehmen der ÖBB

Unwired
Networks

Highlights

- **Unwired Networks** is an Austrian networking solutions provider aiming to simplify public Internet access and make it more accessible.
- Its client, **Postbus**, is Austria's largest bus company. With 135 million passengers per year, mainly in rural areas, upgrading the connectivity of its entire fleet of buses is no simple task.
- Unwired Networks chose our high-performance RUT956 router to provide Postbus with robust and reliable LTE Cat 4 connectivity and maintain an uninterrupted connection with its Unwired Edge Cloud remote management service. RUT956 easily delivers the Internet equivalent of the perfect bus: getting you from A to B efficiently and comfortably.





DUAL BAND WI-FI ROUTER CONNECTIVITY FOR FERRY PASSENGERS

Product

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

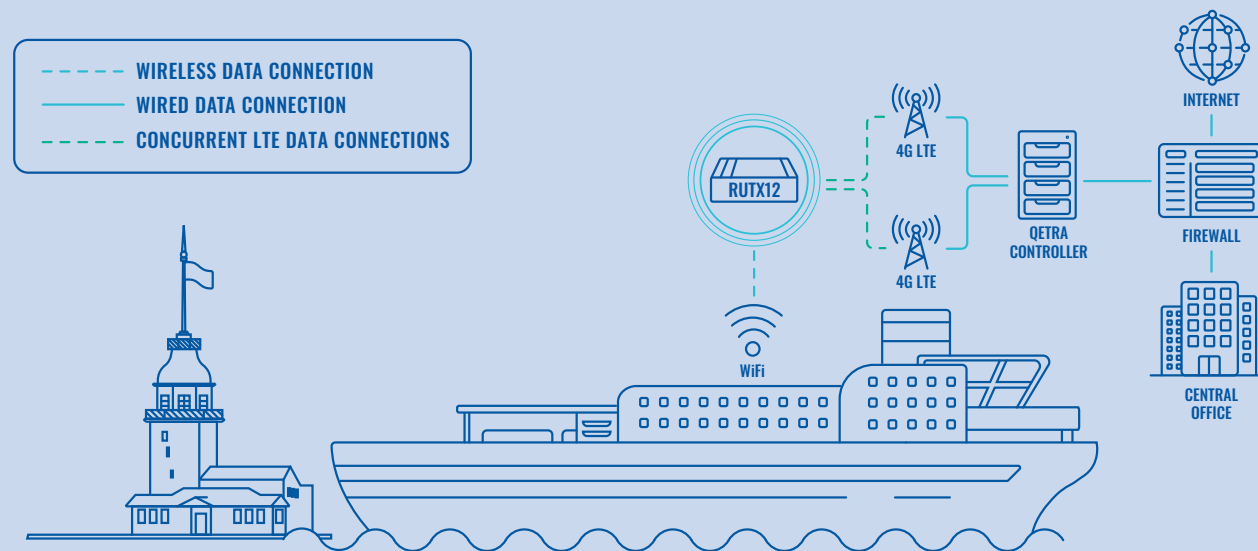


In partnership with



Highlights

- **STRATUS Bilişim Sistemleri**, an Istanbul-based software engineering and distribution company, undertook a challenge to enhance the weak Internet signals within ferries in Istanbul, Turkey. This initiative was crucial, as water entertainment ventures in Turkey increasingly rely on good network infrastructure.
- The challenge was overcome by employing the company's Qetra SDWAN Suite software in combination with the Teltonika RUTX12 Wi-Fi router. The solution ensured consistent network connectivity for ferry equipment and passengers, regardless of their distance from the shore.
- Equipped with SD-WAN capabilities, the 4G router handles heavy data traffic with ease. Thanks to its failover functionality and dual cellular modems, the device can switch between mobile services seamlessly, facilitating dual-band Wi-Fi connections to boost data throughput and resilience to network disturbances.



A low-angle, upward-looking photograph of several modern skyscrapers with glass facades, reaching towards a clear blue sky. The perspective creates a sense of height and scale. The buildings are arranged in a way that they seem to converge towards the top of the frame. The lighting suggests it might be late afternoon or early morning, with some warm tones on the building facades.

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.



SECURING NETWORKS WITH VLAN TAGGING IN MANAGED SWITCHES

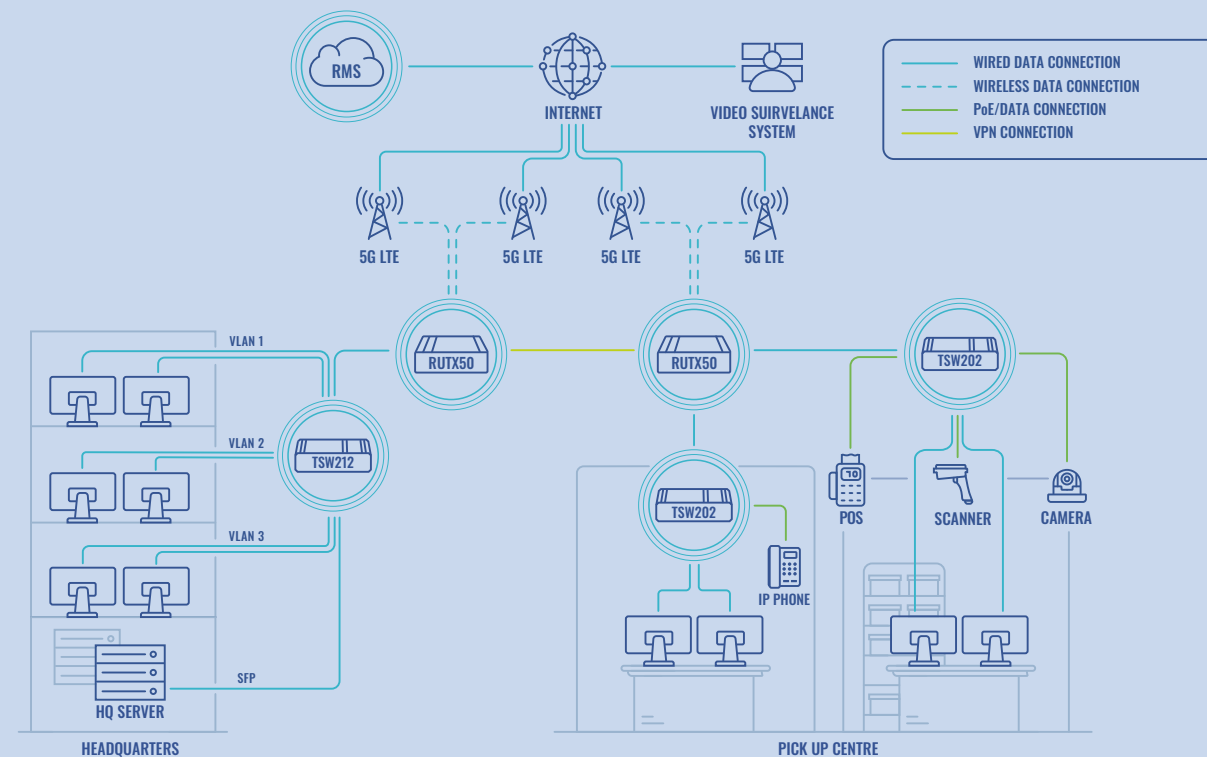
Product

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



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.





5G ROUTER FOR PORT CONNECTIVITY CHANNEL BONDING

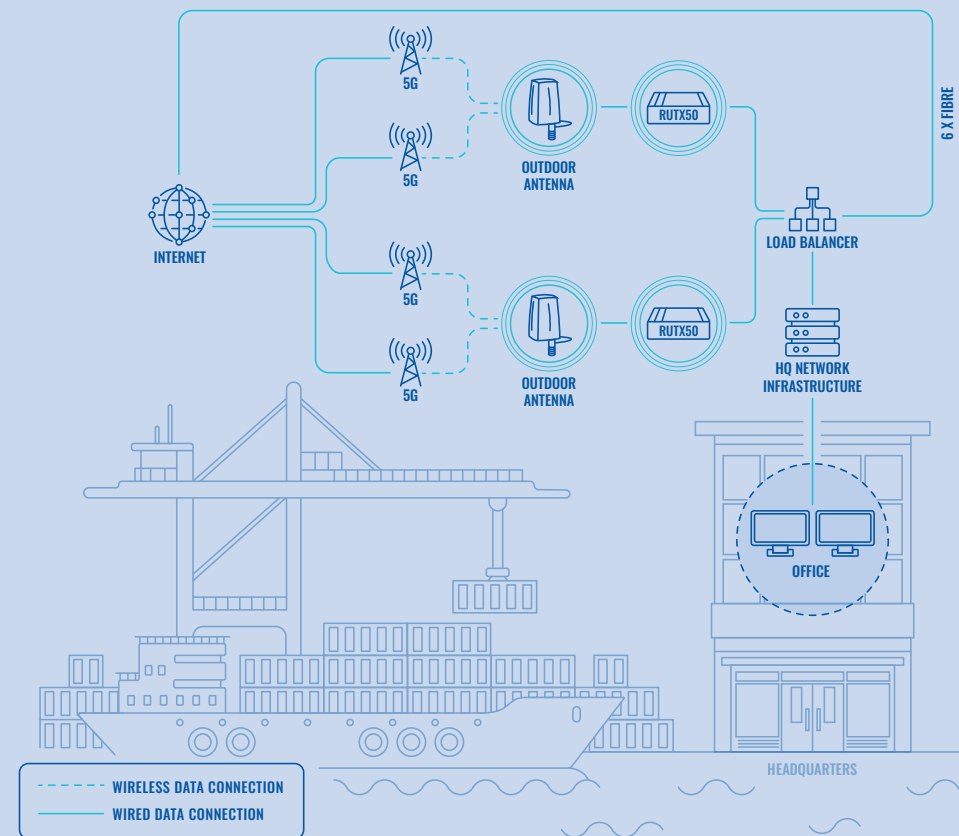
Product

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



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.





UPGRADING OUT-OF-BAND MANAGEMENT WITH A CELLULAR ROUTER

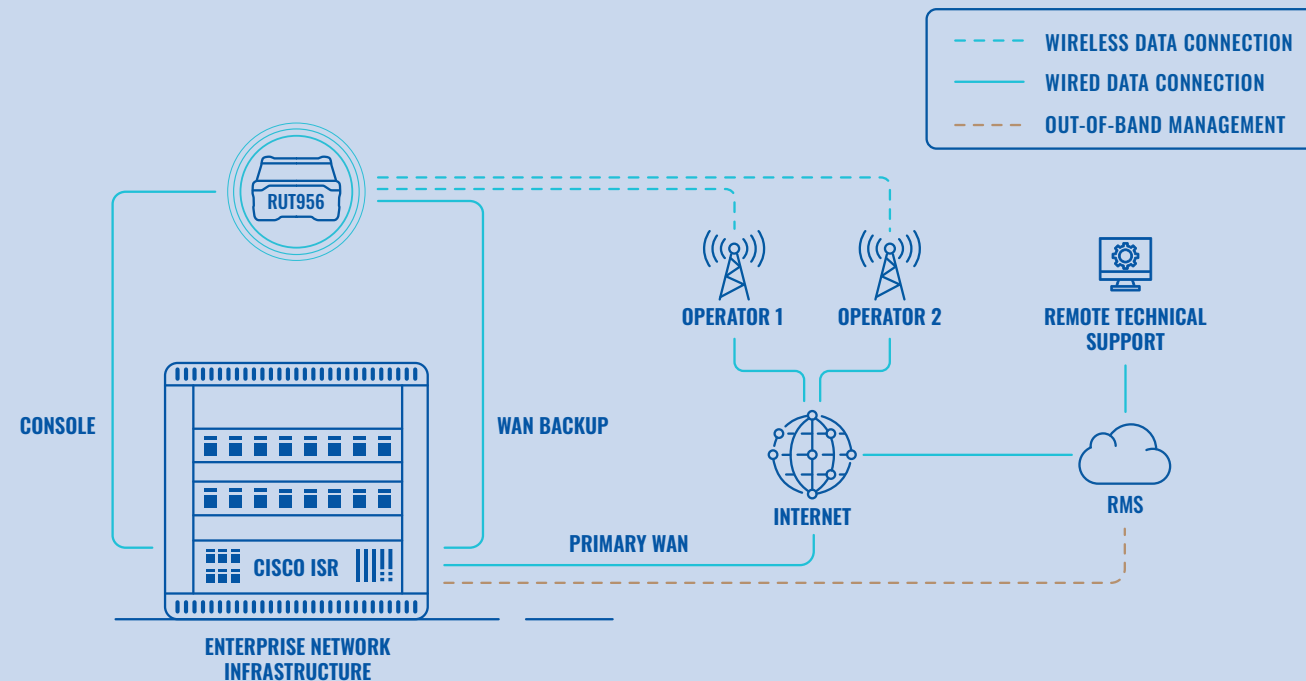
Product

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



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 networking 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.





UNIVERSITY FACULTY COVERAGE WITH WIRELESS ACCESS POINT

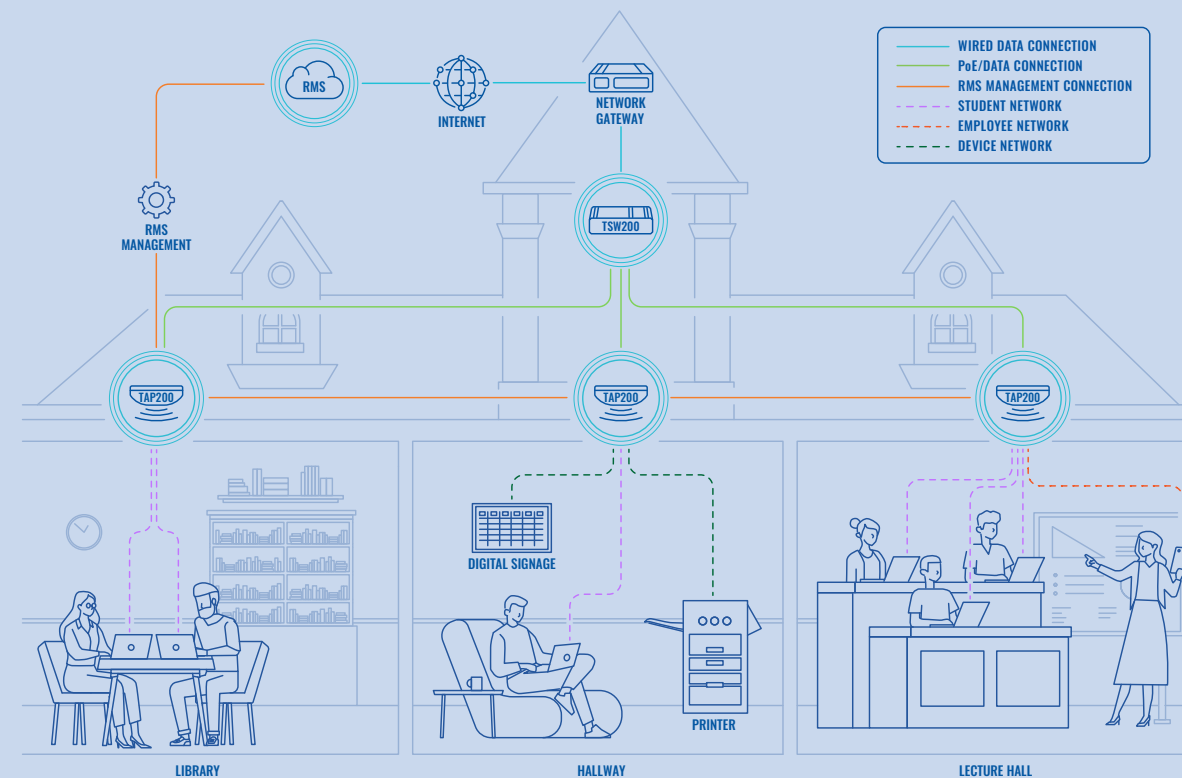
Product

TAP200 is a PoE-in access point featuring Wi-Fi 5, UV-stabilised plastic housing, and a Gigabit Ethernet port.



Highlights

- University faculties require their Wi-Fi networks to consist of separate SSIDs and have full wireless coverage throughout the entire faculty, similarly to other large public spaces such as airports and event venues.
- The best wireless access point for achieving this is the TAP200 Wi-Fi 5 access point of Teltonika, supporting up to 100 simultaneous connections with speeds of up to 450 Mbps and fast roaming.
- The TAP200 can be powered via PoE-in and seamlessly blends in with its environment thanks to its sleek design and UV-stabilised plastic housing.

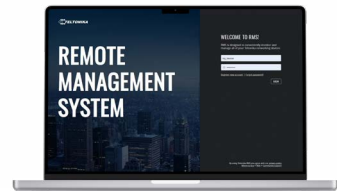




ACCELERATED PASSWORD MANAGEMENT WITH RMS

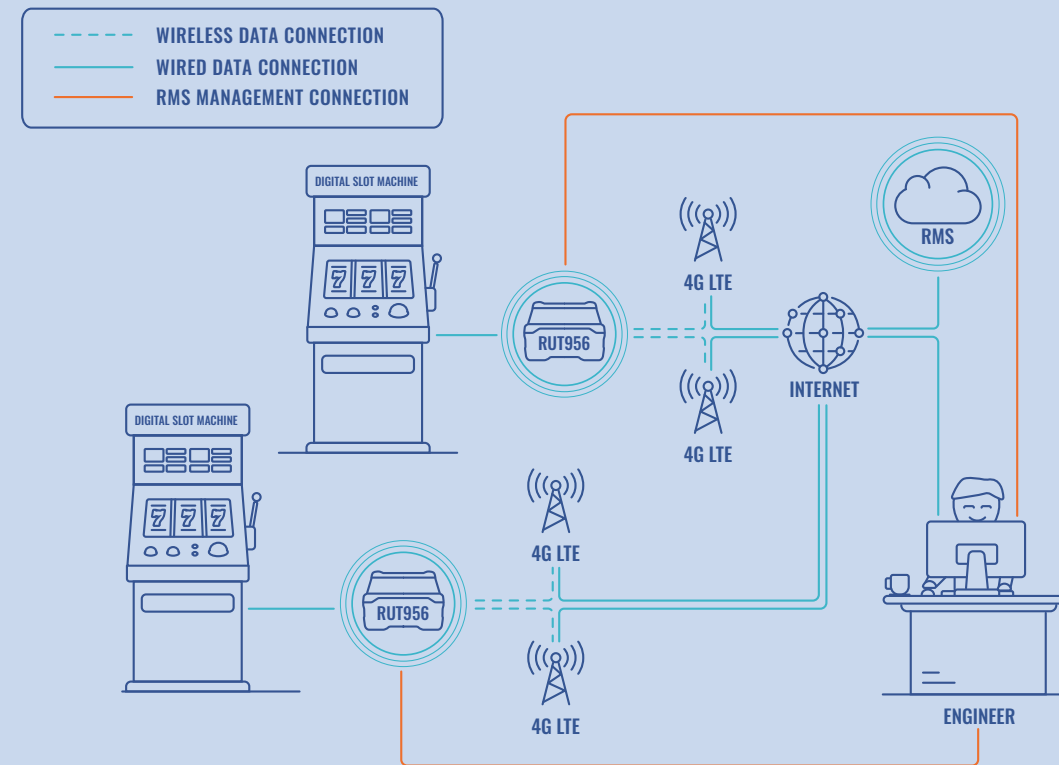
Product

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



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 a completed 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.





SECURE NETWORK INFRASTRUCTURE FOR BANK BRANCHES

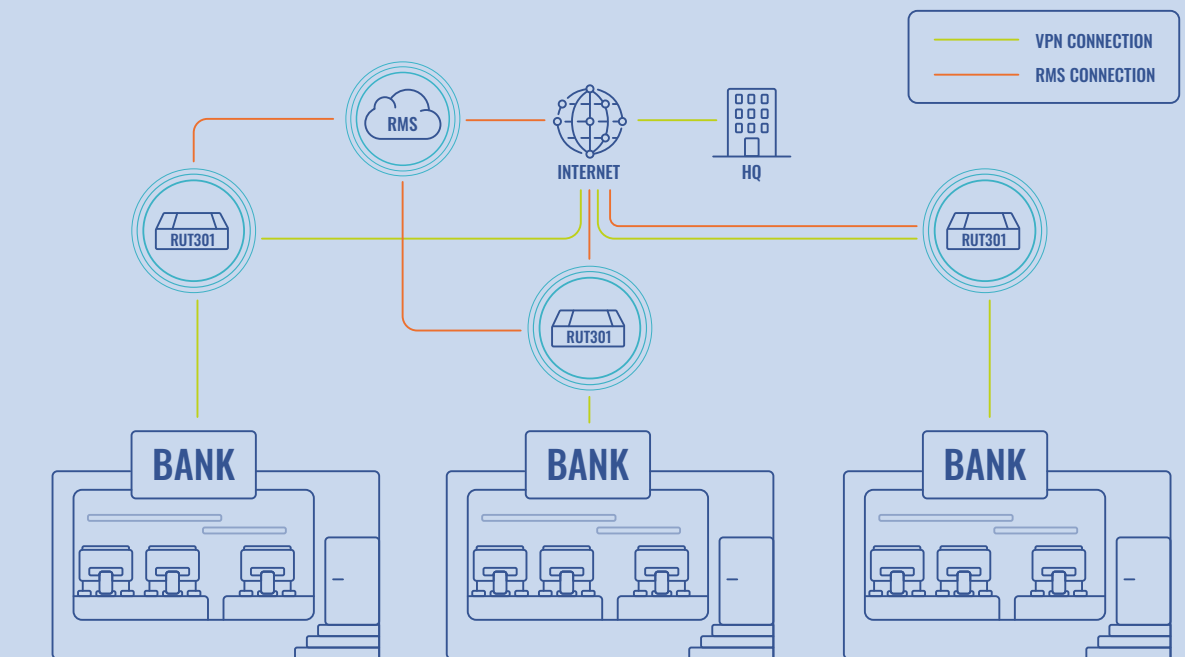
Product

RUT301 is an industrial-grade Ethernet router featuring configurable digital I/Os, 5 Ethernet ports, and USB 2.0.



Highlights

- Nowadays, banks must provide more than just traditional banking services over networks; they must also prioritise exceptional data security. At the centre of this mandate is a solid and secure network infrastructure that meets all criteria, with the added advantages of scalability and easy management.
- For a solution embodying security, efficacy, and additional features like remote monitoring, Teltonika's RUT301 Ethernet router, coupled with RMS and its Connect and VPN services, emerge as an unparalleled choice.
- The RUT301 Ethernet router fortifies bank branches with reliable network connectivity while RMS grants exceptional remote monitoring and management capabilities, further amplified by its ability to offer secure access to third-party devices. This guarantees seamless overseeing of the entire network infrastructure of bank branches, ensuring unmatched convenience and security.





RETAIL

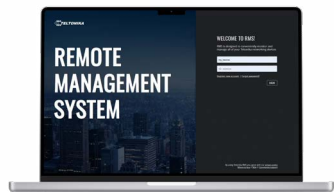
In the age of information, data is everything. As rapid adoption of IoT in the retail sector facilitates innovative data collection for optimal decision-making, Teltonika networking devices help businesses stay competitive in an ever-smarter market.



CENTRALIZED REMOTE VENDING MACHINE POS SYSTEM MANAGEMENT

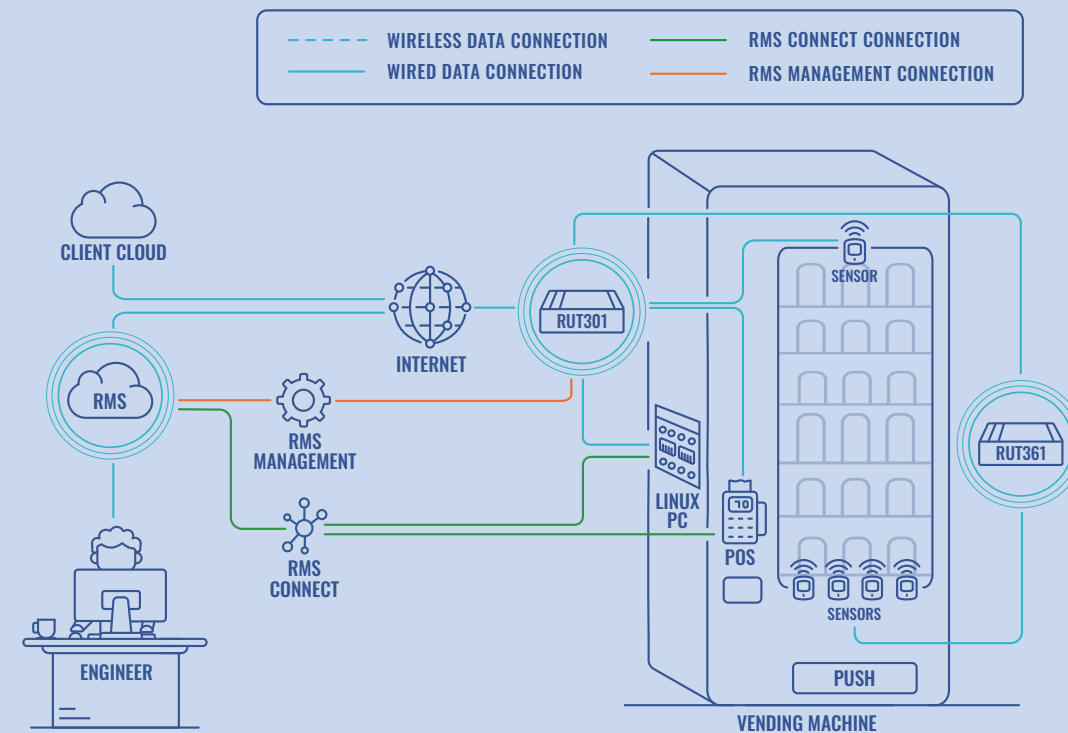
Product

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



Highlights

- With shifting consumer behaviour, coin-operated vending machines are now a thing of the past and new machine models are manufactured to accept card payments only via POS terminals. While this digitalisation meets client needs, it inevitably becomes a new niche for hackers to compromise client card data and money.
- Instead of having engineers manually update the firmware of those POS terminals individually for safety reasons, it can be easily done using Teltonika networking RMS. This allows for simultaneous updates to multiple POS terminals, ensuring secure remote access from anywhere, any time.
- Additionally, RMS can be used for remote management of connectivity devices and remote control of third-party devices, like sensors. This enables device configuration and establishing functions, like data tracking or real-time alerts in case of machine shutdown or connectivity loss.





CONNECTIVITY FOR TEMPERATURE SENSORS IN INSULATED INDUSTRIAL REFRIGERATORS

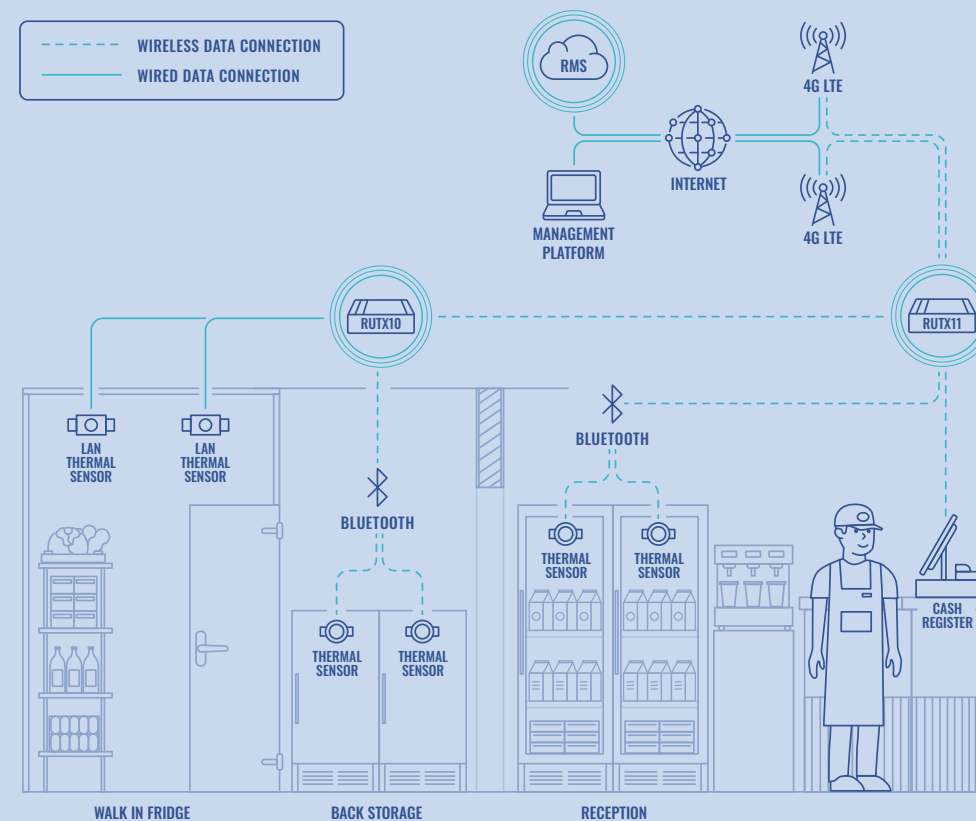
Product

RUTX11 is a dual SIM, dual-band Wi-Fi cellular router with Cat 6 connectivity and 4 Gigabit Ethernet ports.



Highlights

- Food venues must maintain their stock in stable temperatures to avoid the financial losses resulting from spoiled ingredients. To prevent this from happening, industrial refrigerators must be equipped with thermal sensors.
- However, these sensors use Bluetooth to communicate, the signal of which is blocked by the thick metal walls of these refrigerators.
- The combination of our RUTX11 cellular router and RUTX10 Ethernet router provides a stable 4G connection to the sensors while also making for efficient use of data.





WI-FI ROUTER FOR FORMULA 1 GRAND PRIX OPERATIONAL EFFICIENCY

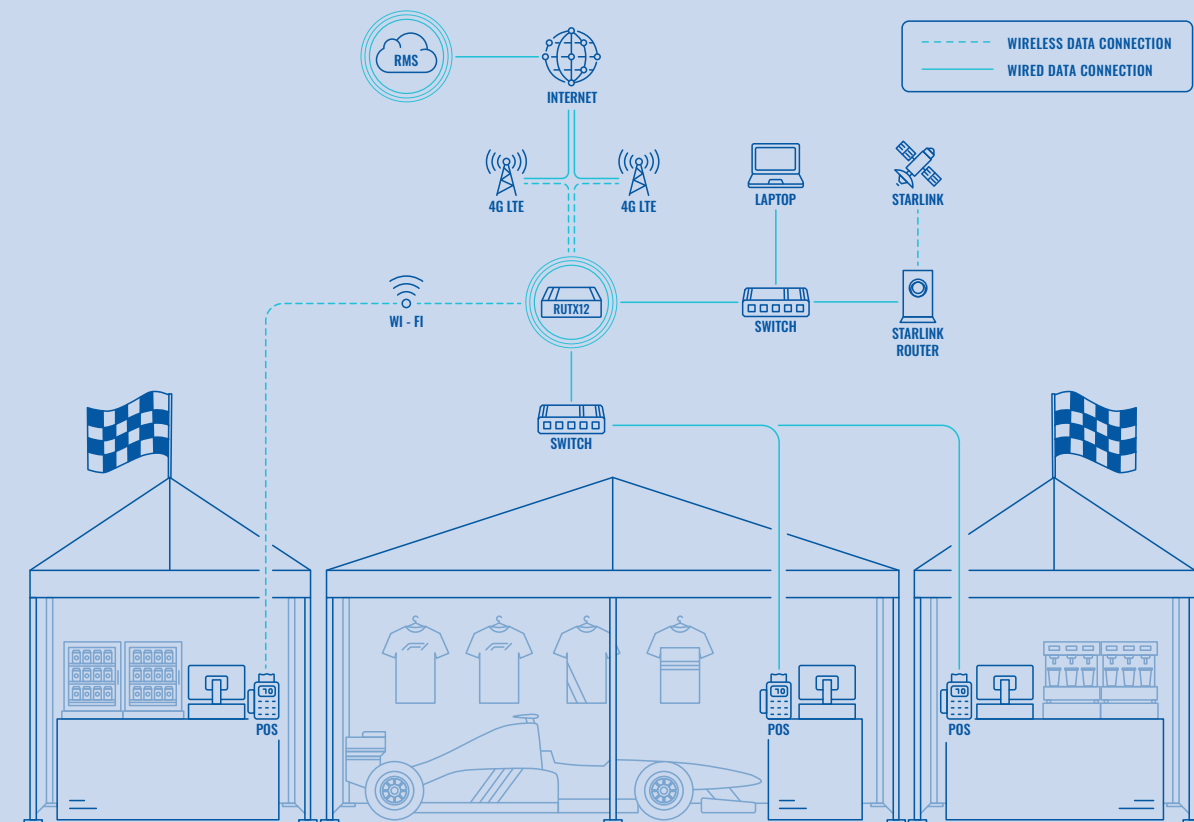
Product

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



Highlights

- **Fiberland Srls** is a wireless Internet service provider (WISP) that focuses on telecommunications and quality Internet services, 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.





FLAT ETHERNET SWITCH FOR SELF-SERVICE KIOSKS & TERMINALS

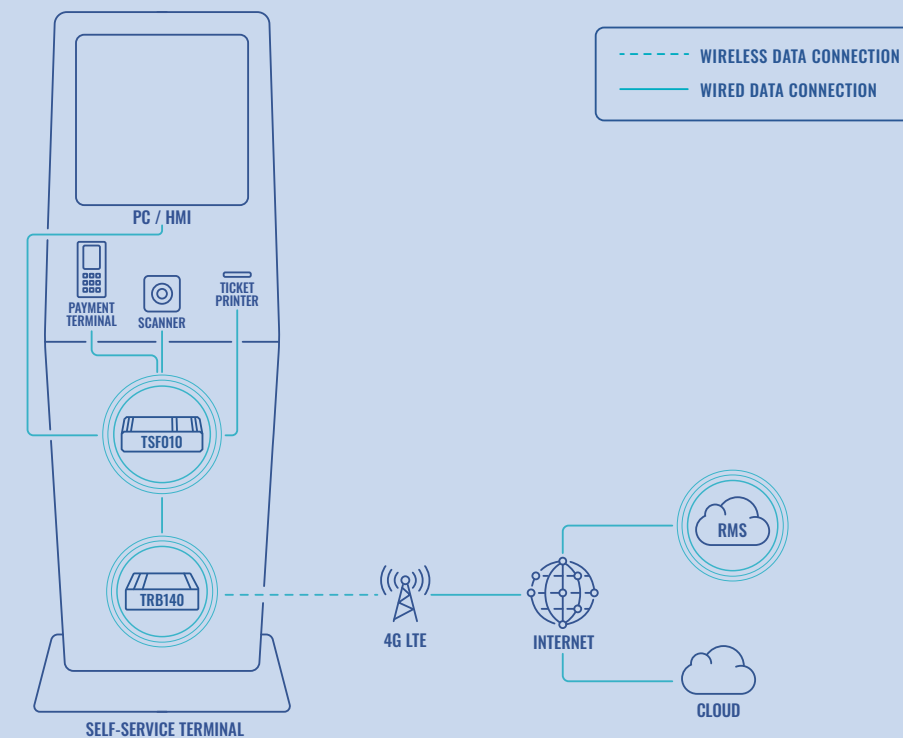
Product

TSF010 is a compact unmanaged switch featuring a flat design, 3-pin power input, and an integrated DIN rail bracket.



Highlights

- Ethernet switches are vital for ensuring optimal interconnectivity and M2M data transfer in networking solutions installed in tight spaces, such as self-service kiosks and terminals.
- The best Ethernet switch for the job is the TSF010 unmanaged switch, equipped with five front-facing RJ45 ports and measuring only 113 × 28 × 50 mm.
- In addition, this plug-and-play Ethernet network switch features a 3-pin power input, a voltage range of 7-57 VDC, and integrated DIN rail mounting for easy installation.





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

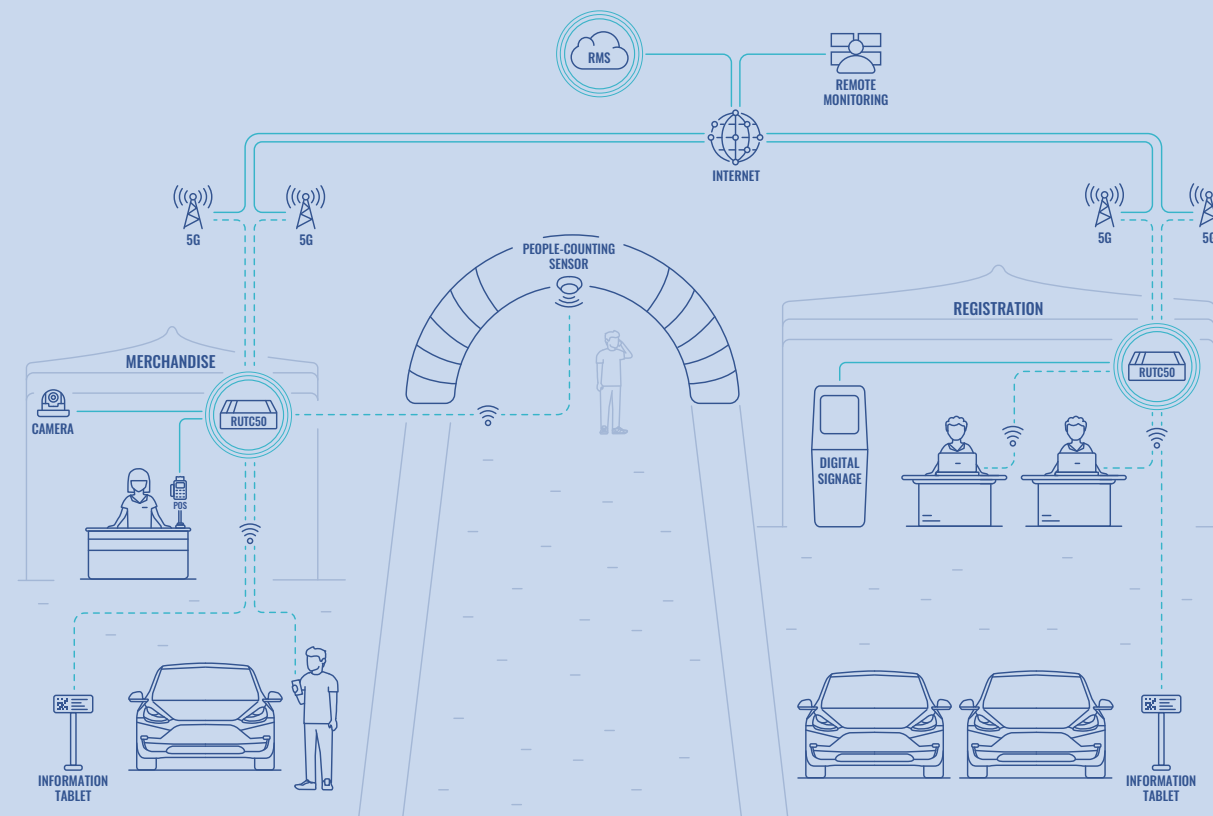
Product

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.



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.





CELLULAR ROUTER FOR FAIL-SAFE ATM NETWORKS

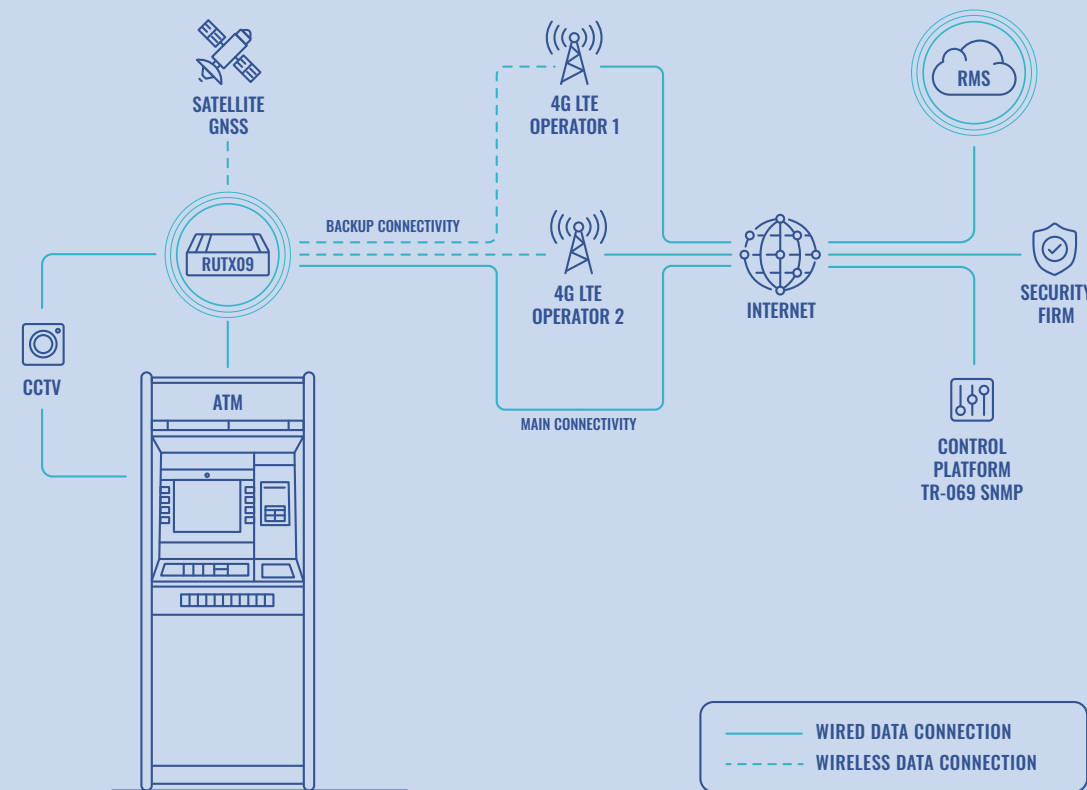
Product

RUTX09 is a reliable, dual-SIM cellular router with auto-failover, 4 Gigabit Ethernet ports, and Cat 6 connectivity.



Highlights

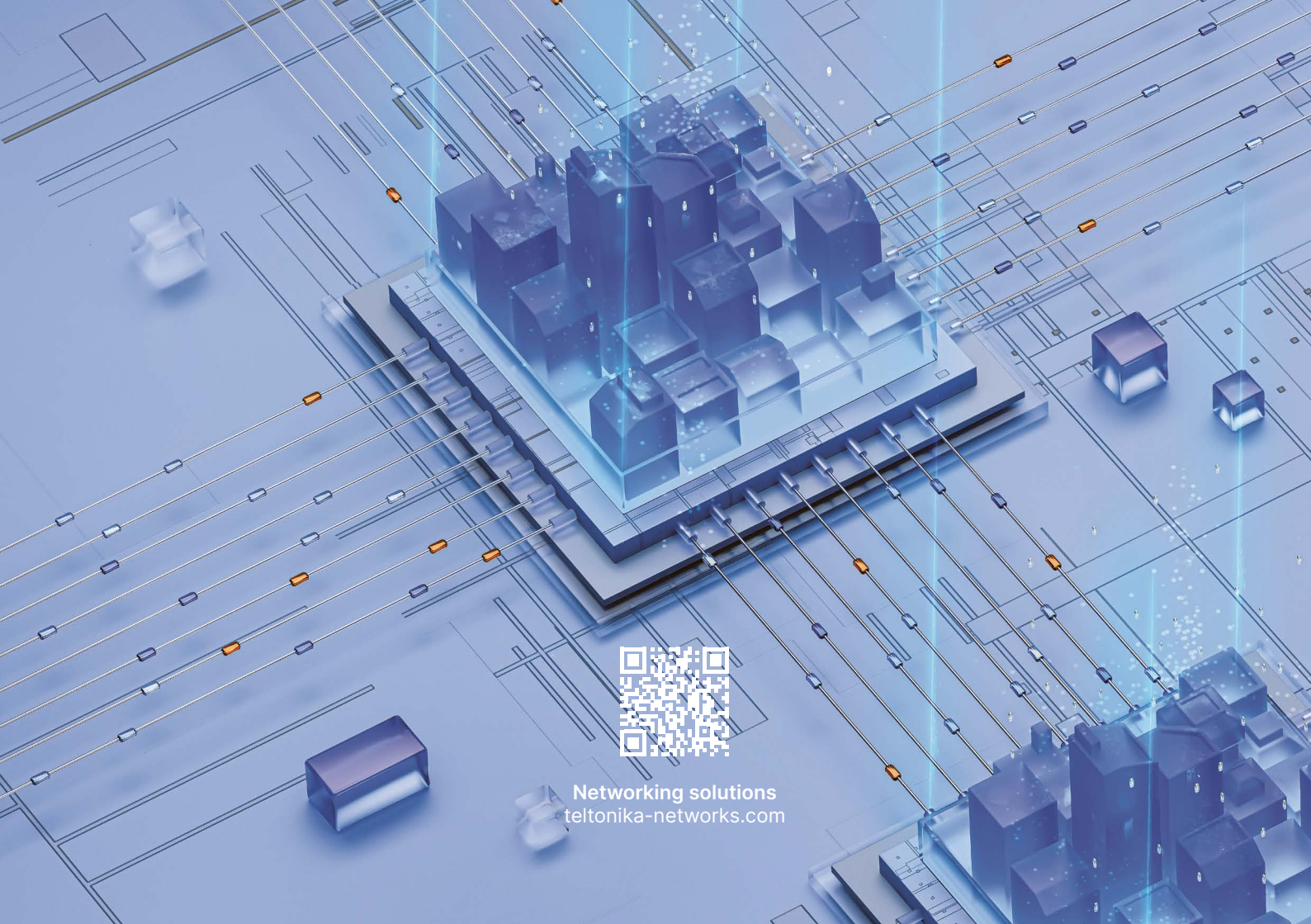
- With the number of ATMs worldwide being on a steady rise year after year, ensuring a fail-safe backup connection to your ATM network, regardless of location, is critical.
- The RUTX09 industrial cellular router by Teltonika networking comes ready for deployment with two SIM card slots, auto-failover, backup WAN, and other switching scenarios for your ATM networks.
- This 4G router boasts cellular speeds of up to 300 Mbps with carrier aggregation, 4 Gigabit Ethernet ports with up to 128 port/tag-based supported VLANs, and robust remote access and management capabilities, making the RUTX09 perfect for your ATM network solutions.



JOIN OUR NEXT CATALOGUE

SHARE YOUR SOLUTION





Networking solutions
teltonika-networks.com