

CELLULAR ROUTERS FOR SELF-SERVICE LAUNDERETTE CONNECTIVITY

HIGHLIGHTS

- ✓ SIA [Wash Pal](#), a Latvian self-service launderette developer, has implemented numerous self-service laundromats across multiple countries.
- ✓ To ensure a seamless, secure network and enable remote management, a reliable connectivity device was required.
- ✓ Teltonika's RUT951 4G router was a well-equipped choice due to its wireless and wired connectivity, user-friendly interface, proven stability supported by technologies such as failover, dual SIM, and compatibility with Remote Management System (RMS).

THE CHALLENGE – SCALABLE & SECURE CONNECTIVITY

The global self-service laundromat market was valued at approximately \$17.55 billion in 2022 and is projected to grow at a compound annual growth rate of [9.3% from 2023 to 2030](#). The demand is fuelled by urbanisation and shrinking living spaces, making in-home laundry less feasible. Many people turn to self-service launderettes as a cost-effective alternative to owning a washing machine, helping them save on energy bills while benefiting from commercial-grade equipment in shared facilities.

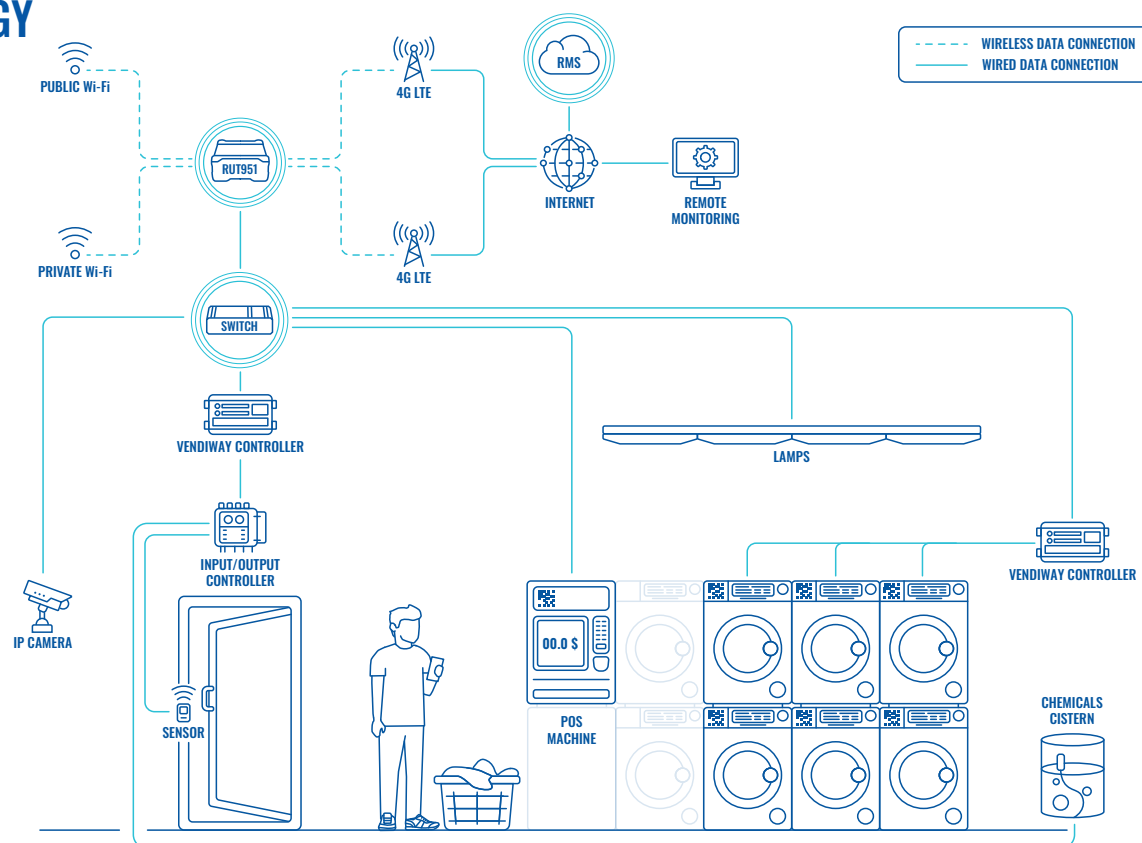
As the self-service launderette industry increasingly relies on automation, cashless payments, and remote monitoring, seamless connectivity has become essential.

Our Latvian partner, SIA Wash Pal, which operates launderettes across multiple European cities, required a scalable and secure network solution to support its operations. From washing machines and self-service kiosks to lighting systems and security infrastructure, every component needed to be reliably connected to ensure smooth operations.

One of the key challenges SIA Wash Pal faced was maintaining uninterrupted Internet access across diverse locations, where network availability and quality often vary. The network also needed to support secure remote management, allowing operators to monitor and maintain equipment without frequent on-site visits. At the same time, end users required stable Wi-Fi to complete payments, which had to be isolated from internal systems to prevent unauthorised access and ensure data security.

To implement these requirements, our partner needed a robust and dependable connectivity device.

TOPOLOGY



THE SOLUTION – TELTONIKA’S CELLULAR ROUTER

Teltonika’s [RUT951 cellular router](#) was a well-equipped choice for our partner’s network infrastructure!

The RUT951 4G router was chosen for its user-friendly interface and proven stability, making it the most reliable option. Our cellular router supports both public Wi-Fi connectivity, enabling Internet access for end-users while doing laundry, as well as private Wi-Fi connectivity for the overall network infrastructure.

It is connected to our partner’s controller via wired connectivity, which manages all key operations in the laundromats – including payments, room lighting, locks, and washing machines. Due to this wired connection, stability is significantly increased, network latency is reduced, and the system maintains consistent performance even during peak usage periods.

Our 4G router has dual SIM feature, backup WAN and automatic failover, ensuring continuous 4G LTE connectivity at all times. This is also guaranteed thanks to auto-failover feature, which automatically switches to an alternative connectivity source if one fails.

Security was a key factor in selecting the RUT951, as it ensures a protected and stable 4G LTE network environment. Its OpenVPN integration allows all systems to operate within a private, encrypted network, preventing unauthorised access.

Additionally, this cellular router is compatible with Teltonika’s [Remote Management System \(RMS\)](#) that allows engineers to monitor and troubleshoot the network remotely. It provides direct access to the router’s admin panel, enabling quick diagnostics and real-time issue resolution, while firmware updates can be performed remotely.

What makes this cellular router even more ideal for our partner is its ability to function as a custom gateway for RS485 protocols, ensuring compatibility with various industrial applications. Moreover, it integrates with NVR systems, providing critical connectivity for real time surveillance through real-time video surveillance and remote monitoring.

As our partner says, it's been a very simple decision to select Teltonika's RUT951 cellular router for their laundromats. Their monitoring and payment system provider made recommendations, and they had no doubt it was the solution they should go for!

If you're wondering how Teltonika can tailor your connectivity solutions – wonder no more. Reach out to us and let's discuss your specific connectivity needs!

