



DOOR AUTOMATION WITH 4G LTE ROUTER

HIGHLIGHTS

- ✓ [Doordeck](#), a forward-thinking SaaS startup, is transforming the way people access buildings by replacing outdated key cards and fobs with NFC-powered smartphone technology.
- ✓ At the heart of the connectivity layer, Teltonika [RUT241](#) 4G LTE router ensures a stable mobile internet connection wherever the system is deployed. As an industrial-grade router, it's designed for reliability in demanding environments.
- ✓ The compact Doordeck Box encapsulates the entire access control solution in a single enclosure, dramatically simplifying installation. It integrates effortlessly with existing access systems or operates as a standalone solution.

THE CHALLENGE – OUTDATED ACCESS CONTROL

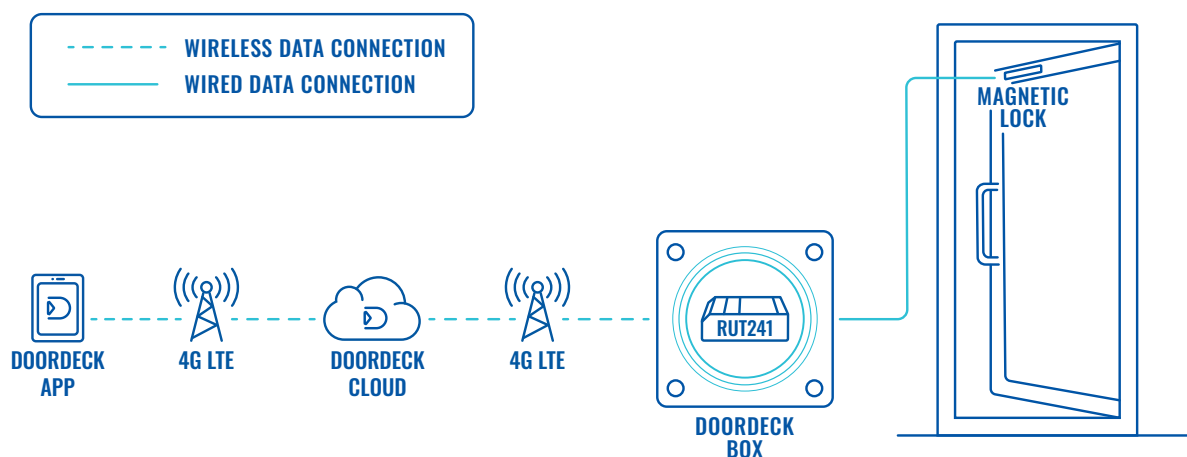
Traditional access systems built on physical key cards and fobs introduce several critical limitations—both in terms of security and practicality. These items are easily lost, stolen, or shared between individuals, undermining control over who accesses a building and when.

In fact, a [survey](#) found that 41% of office workers have lost or had their access credentials stolen, and 34% admitted to sharing them with others, highlighting just how vulnerable these systems are to misuse. Moreover, they fail to provide verifiable, real-time user identification, leaving security gaps that modern facilities can no longer afford.

From an administrative perspective, dealing with lost cards, managing user access levels, and onboarding new individuals requires significant time and effort. These outdated systems increase operational workload and delay access control adjustments—especially problematic for growing organizations and flexible work environments.

In today's world, where real-time monitoring, secure access, and remote management have become standard expectations, traditional systems fall short. Organizations looking to modernize need a new approach—one that is not only more secure but also scalable, easy to deploy, and simple to manage remotely.

TOPOLOGY



THE SOLUTION – NFC ACCESS WITH A 4G LTE ROUTER

Doordeck developed an innovative access control platform built entirely around smartphone-based NFC door lock entry. By eliminating the need for key cards or fobs, they removed the friction of physical access tokens and created a system that is both more secure and easier to manage. The centerpiece of their deployment model is the Doordeck Box, a sleek, self-contained unit that houses all necessary components for automatic and quick door opening.

At its core lies the Teltonika RUT241, an industrial grade 4G LTE WAN router responsible for delivering continuous, reliable internet connectivity to the system. As a WAN router, it enables easy and consistent connection to the internet backbone. By leveraging [Teal's](#) programmable eSIM router capabilities, the RUT241 automatically connects to the most stable local network, providing dependable mobile access.

The router's robust features and compact form factor make it an ideal fit for integration within the Doordeck Box. Just as crucial is the inclusion of Teltonika's [Remote Management System \(RMS\)](#), a cloud-based platform that empowers system administrators and integrators with full visibility and control over every deployed router.

Through RMS, the network of devices can be monitored in real time, firmware and configuration updates can be pushed remotely, and connectivity issues can be diagnosed without stepping foot on-site. This significantly reduces the time, cost, and complexity involved in managing large-scale deployments.

When a user taps their smartphone on the NFC door lock tile at the entry point, the Doordeck app sends an encrypted signal to the cloud. This request travels through the RUT241 industrial-grade router to a [Axis](#) relay, which activates the lock mechanism in under half a second. The entire process is seamless, contactless, and secure—and it all hinges on stable connectivity and remote system reliability.

This solution is more than just a technological upgrade. It represents a shift toward scalable, future-proof infrastructure that empowers property managers and security teams to maintain complete control over access without physical presence.

Discover how our integrated system—featuring real-time remote monitoring, robust 4G LTE router connectivity, and secure data transfer—can address your unique challenges and drive operational improvements. Contact us today for a tailored consultation and start building your next-generation access solution with the power of Teltonika's IoT router technology.

