



DOOR AUTOMATION WITH DOORDECK

BUSINESS CHALLENGE

Nowadays we rarely witness employees using a set of keys to enter a building. It has become a common practice to use key cards or fobs for access. However, there are disadvantages and security risks when using traditional access control systems.

Key cards and fobs are easily lost and can be duplicated. They are often forgotten or shared by colleagues, therefore, aren't good at identifying who has entered or left a building. There's also a lot of administrative work that comes with programming and issuing new cards. Plus, they are pretty annoying as an extra thing to carry around.

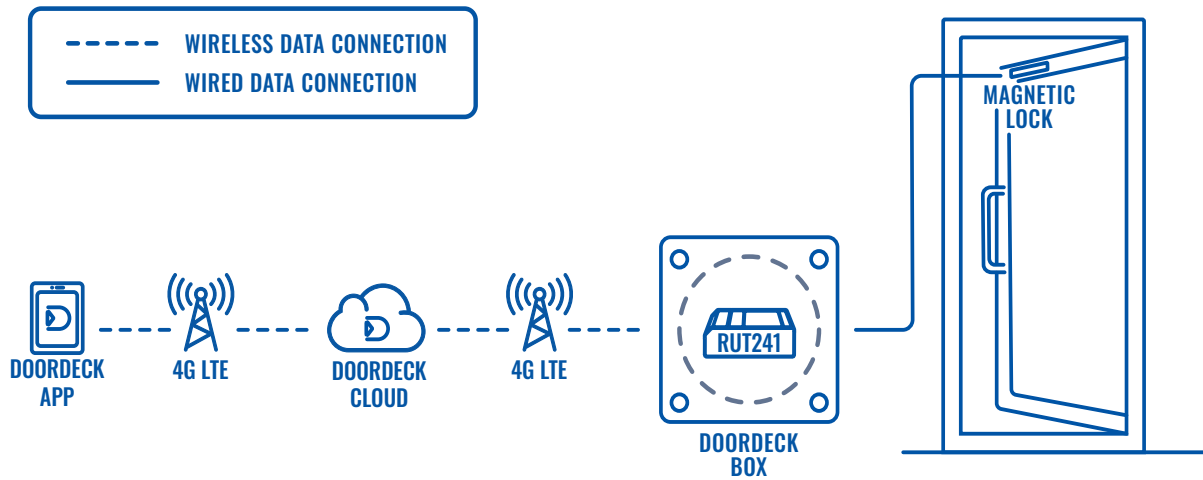
PARTNER - DOORDECK

Our partner, an exciting SaaS Startup called Doordeck, is revolutionizing the access control industry. They have created a smart solution for replacing key cards, fobs and pin pads. Doordeck enables contactless entry using your smartphone and NFC technology for a more reliable, faster, and safer building access. Smartphone visitor passes enable access to a building with specific time entry and expiry, therefore there is no need for key pads, cards, and fobs for visitors either. Doordeck can be installed on any access control hardware that's connected to a server and turns dumb key card systems smart. When there isn't a networked access control system and internet connection in place the Doordeck Box provides the solution.

SOLUTION

The Doordeck Box creates a stand alone smart access control system, cost effective, simple and easy to install without the need for lots of wiring and engineers time to fit. As the topology above shows, the Doordeck Box can be placed next to any entrance including gates to the staff car park and elevators.

TOPOLOGY



The Doordeck Box includes a Teltonika Networks RUT241 router that has an eSIM slot. Teal provides the international smart eSIM solution which automatically selects the strongest 3G or 4G network coverage anywhere in the world. Both Teltonika and Teal work perfectly together to provide constant internet connection for door locks anywhere and at anytime. Axis provide the relay which unlocks the door in less than 0.5 seconds after communicating with the RUT241 router, Teal eSIM, Doordeck Cloud and Doordeck app on the customers smartphone. Axis renowned One Click Connect system provides a secure and simple access control solution for the Doordeck Box.

The Teltonika Networks RUT241 router is perfect for stable and reliable Mobile Internet. The router is small, which has helped Doordeck to create a compact and innovative access control solution. RUT241 acts as an intermediary between a smartphone and the Doordeck NFC tile by sending a request from Smartphone to Doordeck Cloud to the Doordeck Box which then unlocks the door, barrier, gate or bollard.

BENEFITS

- RUT241 Small and easy to install into the Doordeck box.
- Internet backup – RUT241 is equipped with 1 SIM card slot and can offer cellular internet backup if the main connection is lost.
- Compatibility with 3rd party devices and platforms – as with all Teltonika Network routers, the RUT241 is capable of supporting other devices and various software systems.

WHY TELTONIKA NETWORKS?

Client demand has showed the need for a more compact version of RUT9 series. The RUT241 launched 2 years ago and is a popular choice for IoT products. The RUT241 shares all the main characteristics of RUT9 series routers, but is smaller in size. This has enabled clients, like Doordeck to reduce the size of the box that the innovative and compact access control system fits into. Not creating an eyesore for Doordeck clients with a large chunky system was an important part of the overall solution as was the RUT241's simple to setup, easy to use and reliable qualities.

