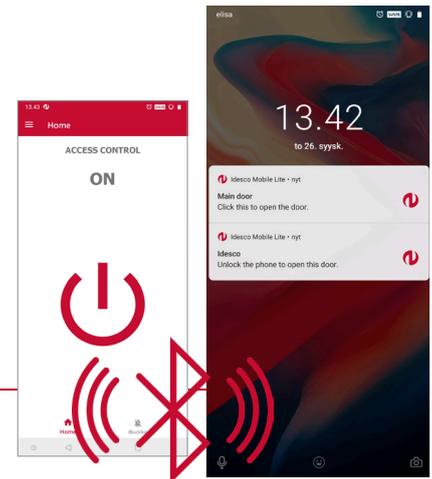


# Idesco Mobile Lite

Mobile identification application with BLE



Idesco Mobile Lite is a convenient alternative for physical smart cards in access control. The application provides an easy-to-use and low-cost mobile application for accessing buildings with a smartphone. The application provides three security levels for user authentication. The first security level allows keeping the smartphone in the pocket when accessing, the second level requires pressing a button on the phone's lock screen, and the third level requires users to authenticate themselves by using the smartphone's locking methods, e.g. fingerprint or password.

Idesco Mobile Lite generates a unique user specific ID using the smartphone's device specific values. To avoid redundant re-configuring the user ID's to the system, the user ID remains the same even if the application was re-installed. This ID is encrypted and does not allow tracking any device numbers or any other device specific data. Device specific data is used only for creating the user specific ID.

The user specific ID is registered to access control system with an integration unit - no online registration or cloud-based credential management is required. Application communicates with the access control readers with Bluetooth low energy (BLE) interface. Communication between reader and mobile application is secured with AES128 cipher, preventing any attempts to skim the data from outside. This technique provides a very secure method to protect the data.

Idesco Mobile Lite application is compatible with Idesco's 8 CD 2.0 MI series readers. Please learn more about 8 CD 2.0 MI readers in their datasheet, available in <https://idesco.fi/product/bluetooth-nfc-rfid-reader/>

## Technical specification

BLE requirements - Android	
Operating system	Android 5.0 or higher
Bluetooth Low Energy	4.1 or higher
BLE requirements - iOS	
Operating system	iOS 8 or higher
Bluetooth Low Energy	4.1 or higher
Compatible RFID reader	8 CD 2.0 MI
Encryption	AES 128
BLE range	0-9 meters