

Perfectly keyless



Perfectly keyless is a keyless vehicle access system that allows for passive access and start through a digital key on a mobile phone. Vehicle owners can use an application to grant access to other users, providing drivers with greater convenience and flexibility.



robust and standardized

key management solution

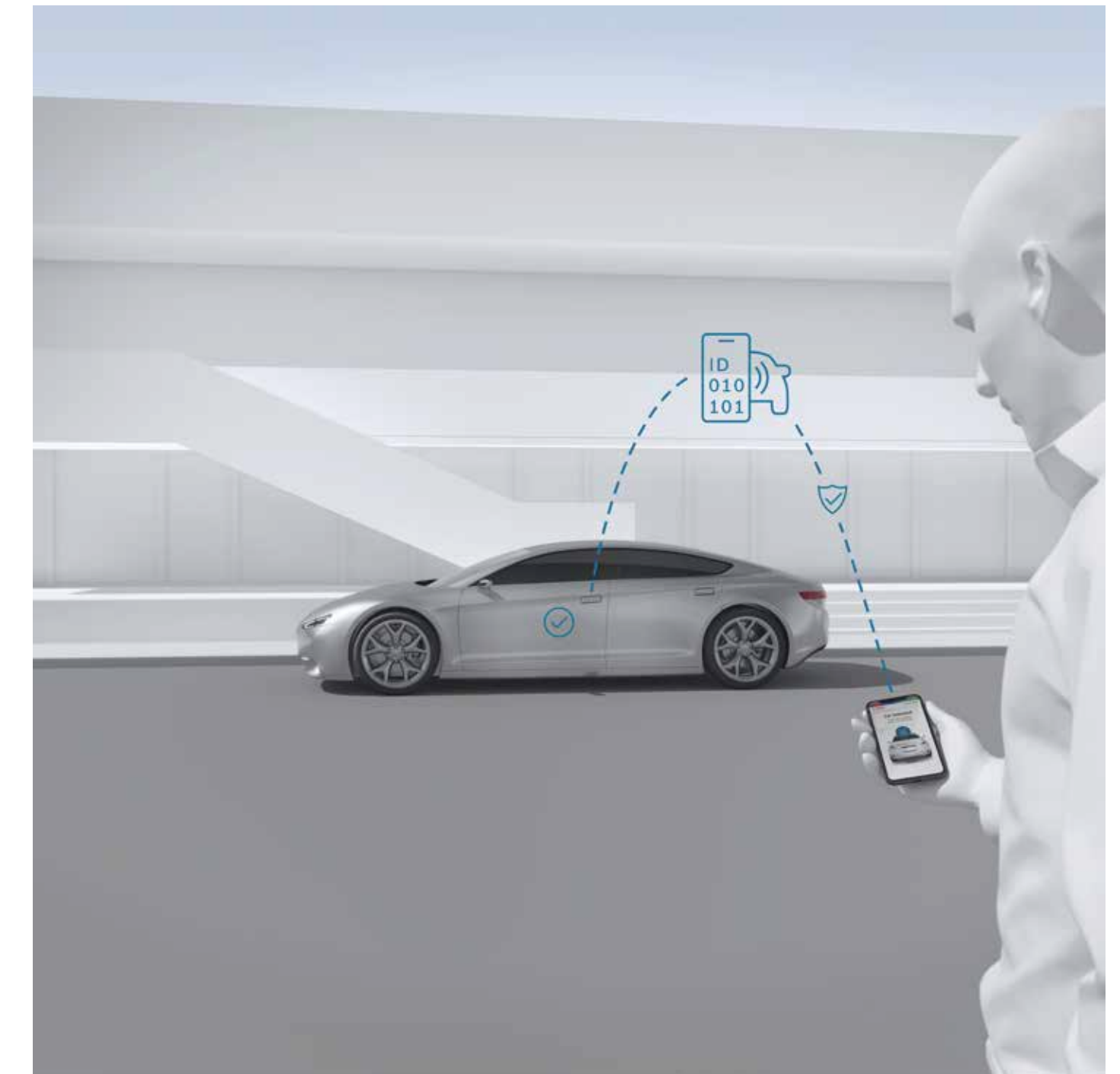
ensures

safety and security

of car keys

key management solution

for car sharing and fleet management



- Digital key management enables the secure and accurate use and management of digital keys on a mobile phone
- Precise and reliable key localization ensures safe vehicle locking, unlocking and starting without driver intervention
- Individual settings, such as mirrors and seat positioning, are automatically restored once the car is unlocked
- Using the app and cloud service, the owner can send personalized keys to other users, enabling them to use the car

Technical data

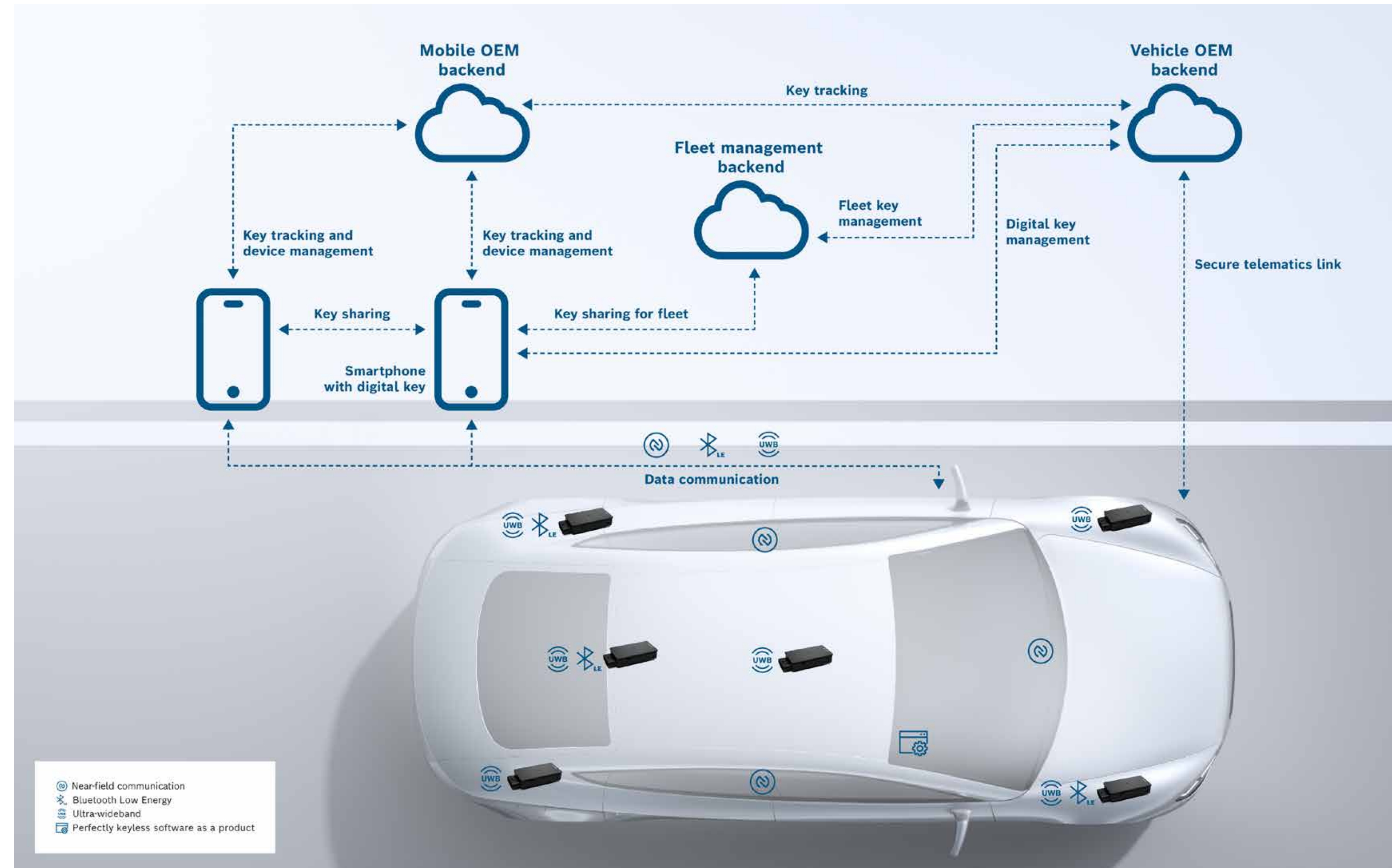
Localization based on ultra-wideband

6,5 – 8,0 GHz operation frequency

20 cm localization accuracy

Perfectly Keyless

- Equipped with a BLE, UWB or NFC-enabled technology, the **vehicle** communicates with the user's **smartphone, serving as a virtual key** to securely grant access and control the vehicle once the authorized smartphone is in the vicinity
- The **fleet management backend** oversees access rights to fleet vehicles and enrolls authorized smartphones as keys for those vehicles
- The **vehicle OEM backend** synchronizes access permissions and configuration settings between the vehicle and other systems, including the user's smartphone
- Meanwhile the **mobile OEM backend** facilitates authentication, authorization, and management of vehicle configurations via the user's mobile application



The illustration is based on the following [whitepaper](#).