SECURITY

Context-aware hands-free smart door lock

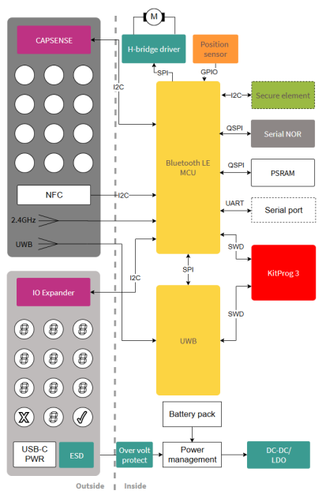
Showcasing a context-aware smart door lock featuring PSOC™ 4000T with CAPSENSE™ for door-front HMI with proximity wakeup and liquid-tolerant touch; Bluetooth® LE for device discovery and Aliro session setup; UWB ranging for approach and intent detection for hands-free Aliro lock/unlock; plus OPTIGA™ Trust M MTR to securely store Matter DACs for Matter provisioning.

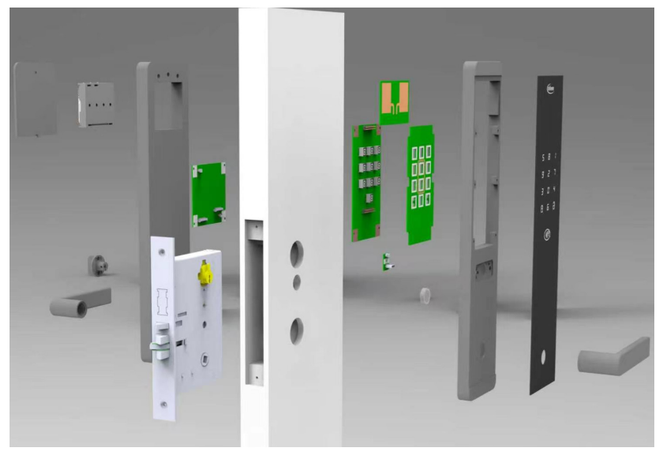
Benefits
- Context-aware unlock/lock with UWB
- Hands-free Aliro access: Bluetooth® LE for discovery; UWB for secured entry with distance bounding
- Low-power HMI: PSOC™ 4000T/CAPSENSE™
- Secured identity: Device attestation certificate (DAC) in OPTIGA™ Trust M MTR
- Relay-resistant ranging with UWB ToF

Highlight products
- UWB SoC TSL111C
- AIROC™ Bluetooth® LE
- PSOC™ / CAPSENSE™
- OPTIGA™ Trust M MTR
- MOTIX™ motor driver
- S25FS128S 128-Mbit SPI NOR flash

Applications
- Residential smart door locks
- Multifamily / apartment access
- Hands-free Aliro entry (smart phone or watch)
- Outdoor battery-powered locks with touch/proximity HMI







Scan for more information