

SMART HOME DOOR LOCKS

*Enabling Convenience,
Enhancing Security*

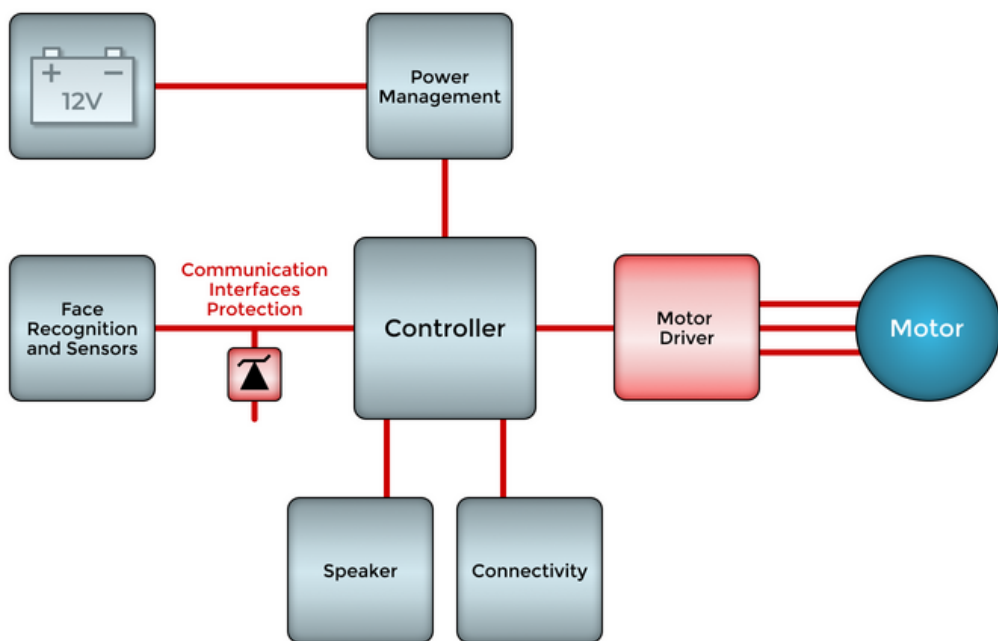
Remote Access Requires Durable Components

According to the Consumer Technology Association (CTA), smart home devices are found in around 70% of U.S. households. Smart door locks deliver convenient access and enhanced security through remote controls, keyless entry, fingerprint scans, and facial recognition. To extend the performance and lifespan of the device, use only the most reliable components in the design.

Key Design Considerations

- Security
- Ease of use
- Reliability in harsh conditions
- Efficient power management
- Low on-resistance
- ESD protection
- Compact size
- Integration with other home devices
- Aesthetics
- Accessibility
- Compatibility with doors and hardware

Block Diagram



Recommended Products



Motor Control

Small Signal MOSFETs
Low RDS(on), Small profile

- [SI3139KL3C](#)
- [SI3134KL3B](#)
- [MCMN2012A](#)



Communication Interfaces Protection

ESD Protection
High-speed protection

- [ESDLC3324DFN10](#)
- [ESDULC0524P5](#)