



APARTMENT LOCK MANAGEMENT SOLUTION



Solution Overview

ZKTeco's apartment lock for rentals and apartments with PIN, card, mobile phone, or physical key.

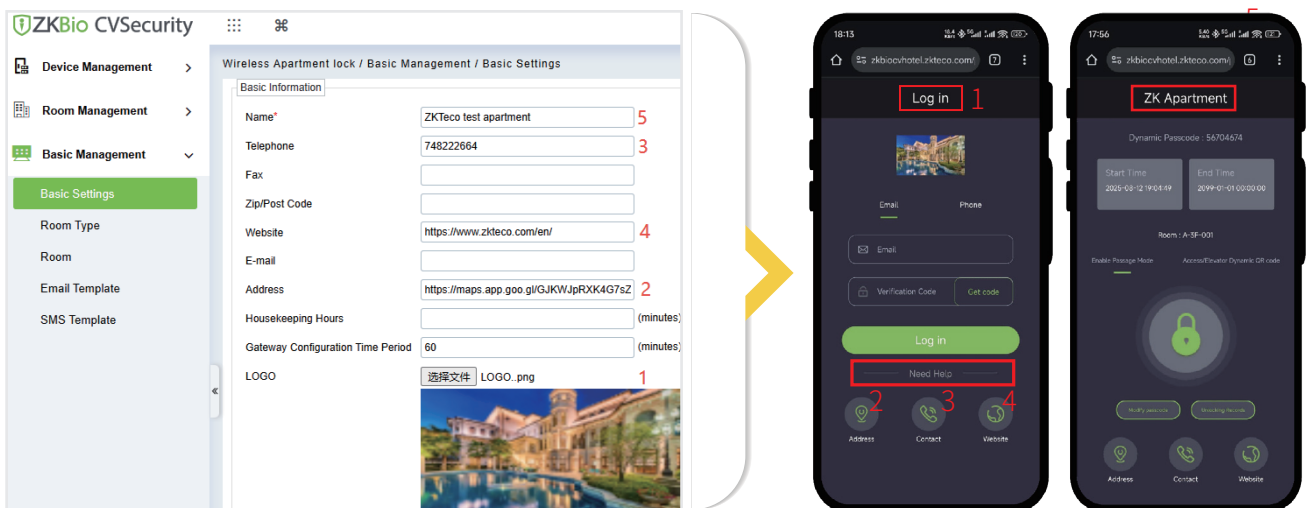
* 8 x AA batteries deliver up to 2.5 years of low-maintenance operation.

Technology Highlights

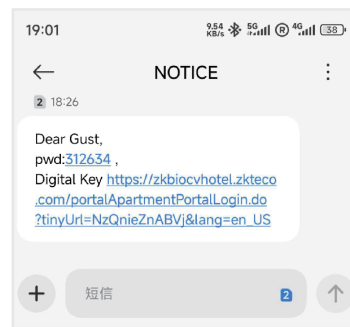
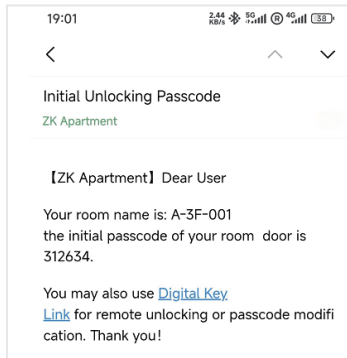
• Core Features

- | | |
|---|---|
|  Wireless Transmission Technology |  Real-time Room Status Monitoring |
|  Contactless Mobile Door Opening |  Remote Door Unlocking in Emergency |
|  Editable Email / SMS Greeting |  QR Code Access for Elevators and Barriers |
|  Mobile Navigation to Apartment |  One-card Solution |
|  Temporary Password Access |  Report Management |
|  Automatic Notification of Tenant Check-In |  Open API for 3rd-Party Integration |
|  Economical Installation & Maintenance |  SSL Encryption Protocol |

• Mobile Web Management



• Mobile Web Management



Verification code login	Remotely unlock the main panel	QR temporary card for Access / Elevator control	Change the initial password	Door unlocking record query

• One-tap Mobile Digital Key



• Customizable Greeting Template

The apartment notification template supports flexible editing and includes multiple combinable variables, such as:

- Apartment name (##apartmentName##)
- Room number (##roomName##)
- Access code (##pwd##)
- Remote unlock app link (##tenantEditUrl##)
- Verification code (##verifyCode##)

• Contactless Mobile Door Opening

- Upon successful registration, the system will automatically send a notification to guests via SMS or email. This notification includes: The guest's unique access code
- A web app link that allows guests to: One-tap mobile digital key

Additional features: phone calls, map navigation, official website redirection, password reset, and door access history review.

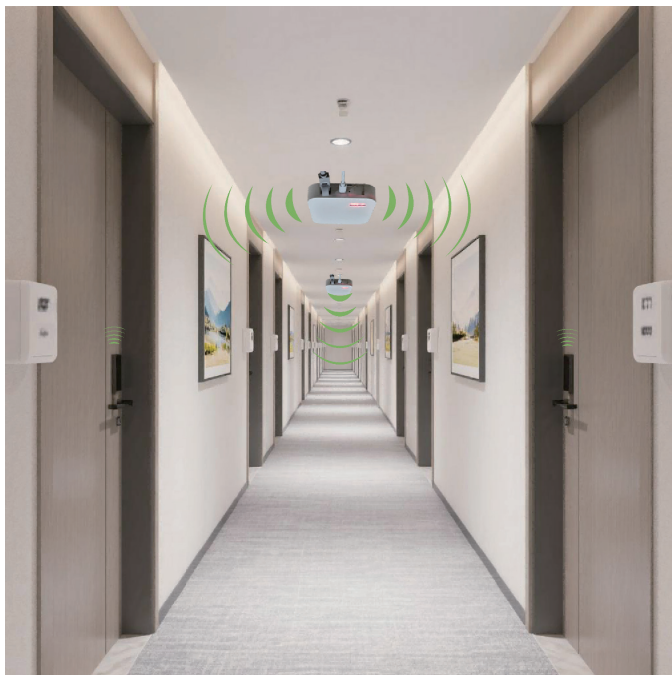
• Web-Based QR Code



QR Code Access

Guests can access entry doors, barriers, and elevators using a temporary QR code, providing a convenient alternative to physical cards.

• Wireless Network



Worry-Free Connectivity

Our system uses the industry-standard MQTT protocol to maintain reliable connections in challenging network conditions, including low-bandwidth and high-latency IoT environments



Low-Power Self-Healing Mesh Networking

ZigBee redefines smart ecosystems: Ultra-low power (<1mW sleep mode) for years of battery life, self-healing mesh networks (99.9% stability), and fortress-level

128-bit AES encryption. The future-proof standard for scalable, fail-safe IoT deployments.

• Password Validity Period

• Temporary Password

The default duration is 10 minutes, allowing visitors to self-tour the property conveniently.

• Property Manager Password

Passcodes can be issued to short-term residents or temporary guests, with validity periods customizable down to the second.



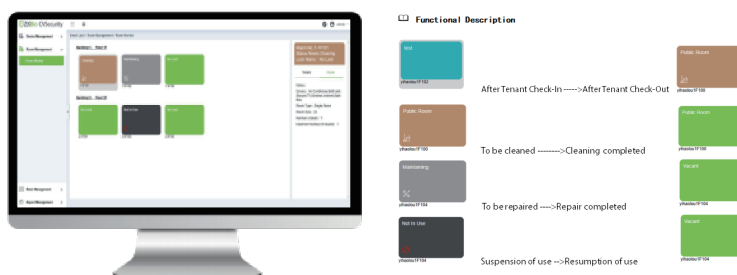
Gateway Name	Lock Status	Battery Level	De
Generate Dynamic Password			
Lock Name	C49894FFEC86834		
Dynamic Password	24784911		
OK Cancel			

Send Notification ☒	
User Role	Property Manager
Card Number	1225226370
Passcode	*****
Set Valid Time	☒
Start Time*	2025-07-21 13:58:00
End Time*	2025-07-22 16:09:59

- **Visualization View**

Real-time Room Status Monitoring

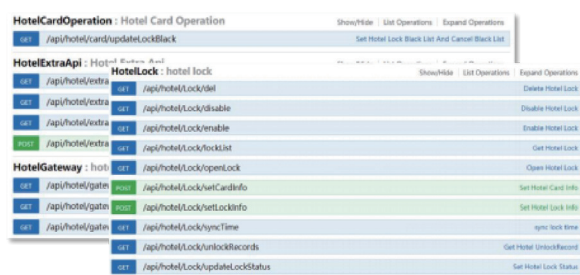
Support room status display. Personnel can be set to clean mode, disable mode, etc. and displayed for administrator to view through the visualization platform. And support gateway can real-time upload door status data, such as low battery alarm, door not closed alarm, etc., so that administrators can view in time.



- **Data Security**

Open API for 3rd-Party Integration

Supports inter-industry open API exchange platform for the interlinkage between ZKBioCVS SmartLock and other third-party platforms, enabling secure data exchange and guest information synchronization to streamline operations.



SSL Encryption Protocol

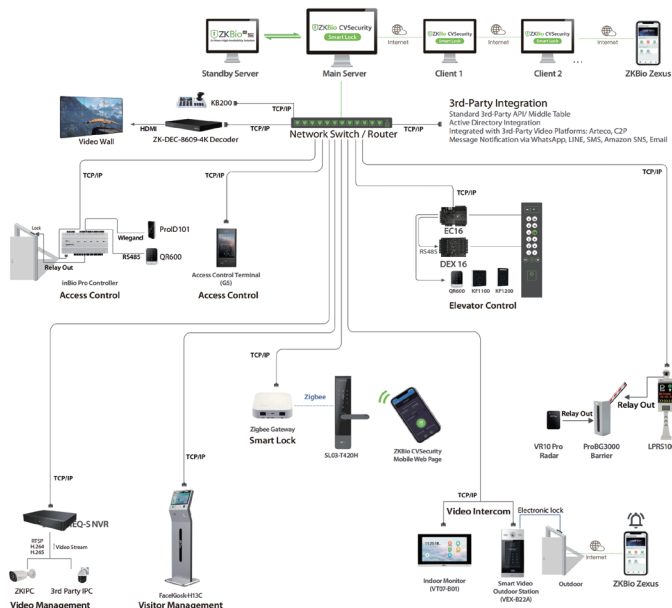
ZKBioCVS SmartLock software and gateways use HTTPS to encrypt all data transfers. This ensures:

- Safe communication – Encrypted commands and logs
- Device verification – Blocks unauthorized access
- Privacy protection – Secures user credentials



- **One-Stop Management**

- Cost & Operational Efficiency
- Tenant Experience
- Unified Data Management
- Competitive Differentiation
- Scalability Enables New Revenue Streams
- Lowering Customer Adoption Barriers



Why Choose ZKBio CVSecurity SmartLock?

ZKBio CVSecurity SmartLock is an enterprise-grade (ToB) intelligent lock management solution built on the powerful ZKBioCVS platform. It delivers unmatched flexibility, convenience, security, and control for multi-unit deployments while minimizing installation complexity. The system also supports H5-based mobile phone keys, making advanced access technology accessible to everyone!

- Strong Compatibility – Mix and match modules to fit your unique business needs.
- Simplified Integration – An open API allows for easy third-party integration, delivering smarter and more efficient operations.
- Future-Proof Investment with Minimal Maintenance – Powered by ZKBio CVSecurity SmartLock,, it ensures a lower learning curve, reduced maintenance costs, and long-term value.



• Topology Map

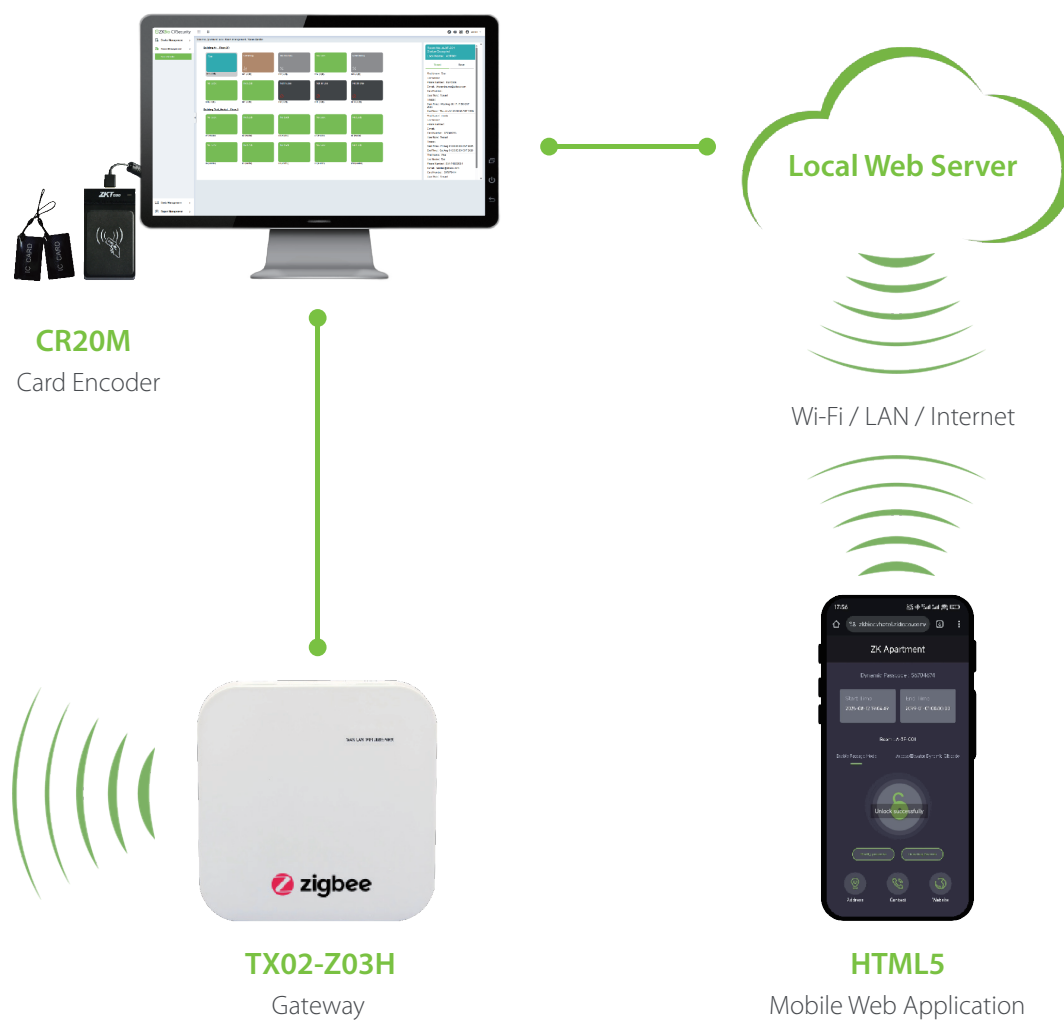
SL03-T420H: Wireless Apartment Lock

Suggested connection environment: unobstructed, 10-15 meters, up to 6locks.



ZKBio CVSecurity SmartLock

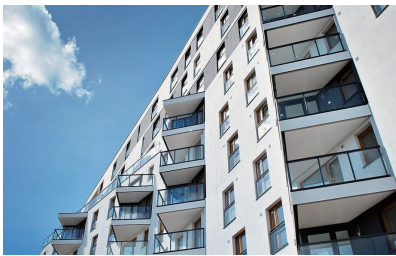
Web-based Security Platform



Hardware Recommendation

Product Type	Product Model
Apartment Door Lock	SL03-T420H 
Mortise Lock Body	
Gateway	TX02-Z03H 
Card Encoder	CR20M 

• Applicable Scenarios



Short & Long-term Rental



Company & Factory Dormitory
Student Residence

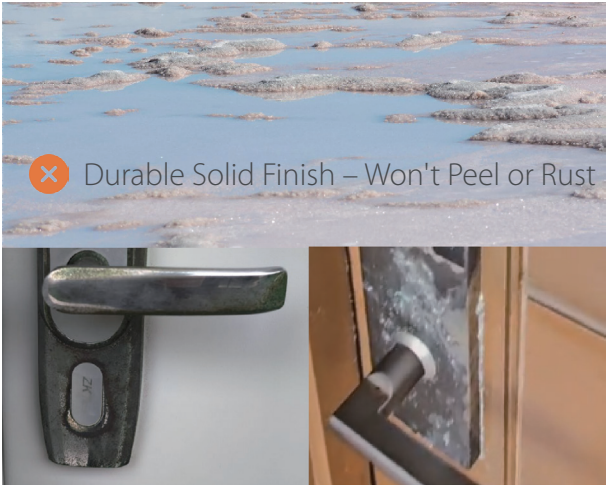


Heritage Homestay
Holiday Resort

Customer Pain Points

• Salt Spray and Rust

☹️ High-Humidity & High-Humidity Coastal Conditions



😊 Anti-Corrosion Materials:



• Weather-Protected Design

Weather-Protected Design for Semi-Outdoor Use

Features a sealed lock face, recessed bottom keyhole, and waterproof rubber gasket to resist moisture intrusion.

