Electronic Lock Management System
V Lock Secure

Empowering Security with Advanced Digital Locking System

Key Features

- **Configuration Capabilities**: Easily configure electronic digital biometric & non-biometric locks as well as electronic biometric & non-biometric smart keys to meet specific security needs

- **Scalable Management**: Manage up to 5,000,000 locks and 2,000,000 keys, suitable for enterprises of all sizes.

- **Unlimited Blocked Keys:** Allow unlimited blocked keys in each department to maintain control over access

Advanced Permissions and Roles

- **Customizable Role Permissions:** Set up multiple role permissions to control access levels and functionalities

- **Administrator Hierarchy:** Create an administrator hierarchy to monitor locks, keys, and personnel within their purview.

Efficient Scheduling and Monitoring

- **Unlock Activity Management:** Schedule, manage, and monitor unlocking activities in detail.
- **Permission Control:** Set specific unlocking permissions and time ranges to trace responsibilities back to individuals.
- **Detailed Record Keeping:** Backstage visibility of unlocking records, with support for multi-format (Excel, PDF, CSV) one-key export.

Enhanced Security Features

- **Disable Lost Keys:** Quickly and easily disable lost keys within the system to maintain security.
- **Real-Time Data Upload:** Supports real-time data upload of unlocking activities using Bluetooth key + APP, and remote temporary authorization for unlocking.

User-Friendly Interface

- **Dynamic Dashboard:** Customizable dashboard to visualize and manage data effectively.
- **Browser Compatibility:** Compatible with all major modern browsers (Chrome, Firefox, Safari) for ease of access.
- **Intuitive Design:** Designed to provide a seamless user experience for administrators and users alike.

Management Software - V Lock Secure

Advanced Configuration and Customization

- **Configure Locks and Keys:** Customize multiple role permissions and set up an administrator hierarchy, allowing each administrator to monitor locks, keys, and users within their scope.
- **Extensive Management Capabilities:** Manage up to 5,000,000 locks and 2,000,000 keys, with unlimited blocked keys in each department.
- **Multi-Department Support:** Support for multiple departments, users, and roles to ensure streamlined management.
- **Activity Scheduling and Monitoring:** Schedule, manage, and monitor unlocking activities, setting permissions and time ranges to trace responsibilities.
- **Support Biometric Enrollment Device:** Data collection & programming devices smart Key locker are supported for centralized management
- **Data Security :** Encrypted software database to enhance security

Comprehensive Logging and Reporting

- **Visible Unlocking Records:** Clear visibility of unlocking records, supporting multi-format (Excel, PDF, CSV) one-key export for ease of management.
- **Lost Key Management:** Easily disable lost keys to ensure system security.

Compatibility and Flexibility

- **Browser Compatibility:** Compatible with all major modern browsers (Chrome, Firefox, Safari).
- **Cross-Platform Server Deployment:** Can be deployed on major operating systems (Windows, Linux, macOS).
- **SDK and Data Interface:** Provide background data interface and hardware SDK for application development.

Real-Time Data and Remote Authorization

- **Bluetooth Key + APP:** Supports real-time data uploading and temporary remote authorization for unlocking.
- **Dynamic Dashboard:** Customizable dashboard for real-time insights and control.
- **Key Control:** Authorize one key to control up to 10,000 locks.

Deployment and Compatibility

- **Server Deployment:** Deployable on major operating systems including Windows, Linux, and macOS.
- **Browser Compatibility:** Works with all major modern browsers for flexibility and convenience.

Integration and Development

- **Data Interface and SDK:** Provides background data interface and hardware SDK for custom application development.
- **Authorization Control:** Authorize one key to control up to 10,000 locks, ensuring flexible and scalable access management.

Export and Reporting

- **Multi-Format Export:** Supports exporting unlocking records in Excel, PDF, and CSV formats for easy reporting and analysis.

Hardware Components

Fingerprint Enrolment Station

VP-DGL01FP-DEJ5

- **Fingerprint Collector:** Integrated semiconductor and fingerprint sensor with low power consumption and simple interface.

Image Size	12.8mm x 18mm
Image Pixels	256 x 360
DPI	700
Fingerprint Sensor	Over 1 million wear resistant operations
Storage Capacity	100 fingerprint templates
FAR	<0.001%
FRR	<1%
Communication Interface	USB
UART	57600 pbs
Input Voltage	DC5V ± 0.3
Maximum Current	＜60mA current consumption
Dimension	88mmx55mmx14mm
Weight	122g
Certifications	CE FCC RoHS

Electronic Lock Programming and Data Collector

VP-DGL100M-DCJ5

- **Programming and Data Collection:** Through USB communication, collecting lock ID and initializing locks.

Communication Interface	USB Type C
Task Authority	Lock initialization & programming, Lock ID and data retrieval
Compatibility	Electronic locks, including chain lock, pad lock, cabinet lock etc.
Lock Connection Interface	Compatible female input port for lock
Enclosure material	Metal Alloy
Dimension	63mm x 31mm x 78mm
Weight	117g
Certifications	CE FCC RoHS

Smart Key Locker
VP-DGL10KL-J5

- **Central Management:** Manages up to 10 smart biometric and non-biometric keys, handling access permission granting, record uploading, and intelligent wireless charging.

Operating System	Android
Centralized Management	Task authorization, schedule programming, audit trail, upload logs in the system, auto charging
Communication Interface	WI-FI / RJ45 (Ethernet) / TCP/IP
Other Interface	1x HDMI display output, 2 x USB 3.0 ports
Key Slots	10
Key Retrieval	Automatic lock- unlock for keys
Enclosure Material	1.6mm cold rolled steel
Surface Treatment	Electrostatic Spray
Service Life	Key slot life cycle supports over 1 million key inserts
Operating Voltage	DC 12V/ AC24V
Operating Temperature	- 35℃ to 75℃
Operating Humidity	95% or less non condensing
Dimension	501.5mmx240mmx143mm
Weight	7.3kg
Certifications	CE FCC RoHS

Smart Key Locker Management Cabinet with 15 inch Display

- **Central Management:** Manages 28 to 56 smart biometric and non-biometric keys with access permission granting, record uploading, and intelligent wireless charging.

VP-DGL600KM-J5

Operating System	Android 11
Key Slots	28 slots/56slots (optional)
Key Retrieval	Automatic lock- unlock for keys
Verification	RFID card, face recognition, fingerprint, password
Centralized Key Management	Remote management, data upload-download, permission for key & lock, temporary & emergency access
Operation Screen	15 Inch touch screen
Communication	Ethernet RJ45 for TCP/IP, Wi-Fi
Key Status Prompt	Plugged-in ,charging, communication
Smart Alert	Alarm for illegal/wrong operation, time out alarm
Service Life	Key slot life cycle supports over 1 million key inserts
Enclosure Material	1.6 mm cold rolled steel plate
Surface Treatment	Electrostatic Spray
Cabinet Door Material	4mm tempered glass, 2mm metal door
Installation Type	Wall/Floor Mount
Power input	AC 220V ± 10% (50Hz)
Working Voltage	DC12V /24V AC
Power Consumption	480W
Dimension	800mm x 600mm x 1800mm
Weight	150 Kg
Operating Temperature	-35°C-75°C
Working Humidity	Less than 95% (Non-condensing)
Certifications	CE FCC RoHS

Why Choose Vantage Electronic Lock System?

- **Scalable Solutions:** Ideal for enterprises with large-scale lock and key management needs.
- **Enhanced Security:** Advanced features ensure robust security and traceability.
- **User-Friendly Interface:** Intuitive and customizable, designed to simplify management tasks.
- **Comprehensive Support:** Supports a wide range of browsers and operating systems for seamless integration.

Application:

BANK

PRISONS

JEWELLERY SHOWROOM

RAILWAY

HOSPITAL

WAREHOUSE

MALLS

MUSEUM