

V100 Smart Key Cabinet

Industrial Intelligent Key Management System

Product Overview

Model: V100 Series | Key Capacity: 15 / 42 / 63 / 105 Keys



The V100 Series is an industrial-grade smart key management system designed for demanding environments such as factories, industrial parks, logistics facilities, maintenance operations, and critical infrastructure management.

Built with a durable steel cabinet structure and intelligent electronic locking technology, the V100 Series helps organizations achieve secure, traceable, and efficient key management.

The system supports centralized authorization management, real-time key monitoring, operation audit trails, and abnormal event alarms, helping enterprises improve operational security, accountability, and asset control.

Designed for industrial and enterprise applications, the V100 Series combines modern intelligent access control with reliable hardware performance to meet the requirements of high-security working environments.

>Key Features

- Intelligent Key Management
- Real-Time Key Monitoring
- Multi-Level User Authorization
- Electronic Locking & Access Control
- Audit Trail & Operation Records
- Alarm & Exception Notifications
- Industrial-Grade Cabinet Design
- Cloud Platform Integration
- Mobile App Support
- Multi-Site Management Capability
- RFID / Fingerprint / Facial Recognition Authentication
- Enterprise Security Management

>Technical Specifications

General Specifications	
Model	V100A/V100B/V100C/V100D
Key Capacity	15/42/63/105 keys
Cabinet Color	White + Black
Cabinet Material	Cold-Rolled Steel
Operating System	Android
Installation Type	Wall-Mounted / Floor-Standing

Authentication Methods	Password & RFID Card (Standard), Fingerprint & Facial Recognition (Optional)
Communication Interfaces	Ethernet / USB
Backend System Integration	Supported
Cloud Platform Support	Supported
Mobile App Support	Supported

> Management Functions

Key Presence Detection:Real-time key status monitoring

Audit Trail:Automatic recording of key transactions

Permission Management:Multi-level user authorization

Alarm Notifications:Abnormal operation and overdue return alerts

Remote Management:Centralized management via software platform

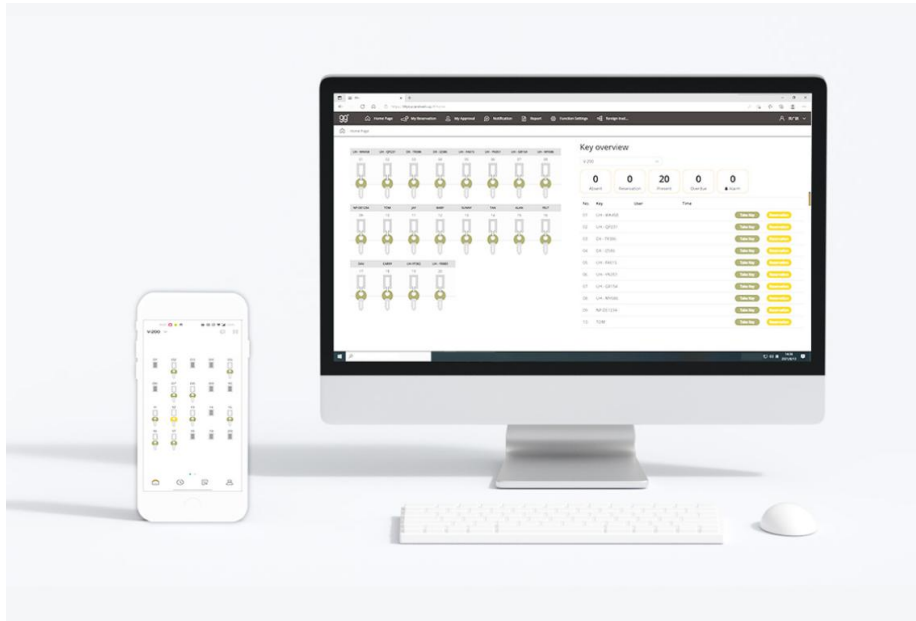
Data Reporting:Exportable operation logs and reports

Cabinet Dimensions&Weight		
V100A	524 × 361 × 170 mm	17.3 kg
V100B	630 × 600 × 180 mm	30.2 kg
V100C	630 × 760 × 180 mm	34.2 kg
V100D	530 × 1800 × 400 mm	110 kg

Power Specifications	
Power Supply	12V 5A (Max)
Adapter Input	110–240V AC, 50/60Hz, 1.3A (Max)
RFID Reader	
RFID Frequency	125Khz/13.56Mhz(Optional)
Camera Module	
Module Size	23.5 × 83.5 × 9.5 mm

Sensor Type	1/2.9" CMOS / 1/2.7" CMOS
Resolution	1920 × 1080
Fingerprint Module	
Fingerprint Capacity	500 Fingerprints
Sensor Type	Capacitive Sensor
Collection Method	Press-Type
Service Life	>1 Million Operations
Sensor Size	18.29 × 33.4 mm
Communication Interface	USB 1.1 / 2.0 UART
Baud Rate	57600bps (Default)
Display&Hardware	
Display Size	7-inch Touchscreen
CPU	RK3288 Quad-Core Processor, 1.6GHz
Memory	2GB + 8GB
GPU	ARM Mali-T764
Resolution	1024 × 600
Network	Ethernet / Wi-Fi
Controller Dimensions	187.5 × 106 × 26 mm

> Cloud Platform & Software Features



The V100 Series supports centralized cloud-based intelligent key management for enterprise environments.

Software Features:

- Real-Time Monitoring
- Remote User Management
- Key Usage Analytics
- Audit Trail & Reporting
- Multi-Site Management
- Intelligent Authorization
- Remote Alarm Notifications
- Operation History Export
- Cloud Dashboard Access
- Mobile Application Support

The platform enables administrators to monitor and manage key activities across multiple locations with enhanced visibility and operational control.

> Typical Applications

The V100 Series is suitable for:

- Industrial Facilities
- Manufacturing Plants
- Logistics & Warehousing
- Fleet Management
- Maintenance Operations
- Utility Infrastructure
- Security Departments
- Data Centers
- Government Facilities
- Enterprise Campuses

> List of System

Item	Specification
#1	99Plus Smart Key Cabinet
#2	RFID Key Tags
#3	Terminal Controller
#4	Power Cable
#5	Robust One-time Security Seals
#6	Key Labels
#7	Emergency Keys
#8	Manual