

WACS

Web Access Control System

Overview

■ **WACS Web Access Control System is built on enterprise-level departmental structures, making it ideal for medium to large-scale enterprises. It combines traditional access management functions with a complete platform for enterprises and project deployment. Featuring centralized web-based management, WACS integrates personnel and organizational data to deliver role-based access authorizations and flexible attendance scheduling. The system supports centralized device maintenance, remote operation, multiple credential types, and mobile access, ensuring efficient entry management. It also provides reporting and event tracking, enabling enterprises to monitor access activities, strengthen security, and improve management performance.**

System Architecture

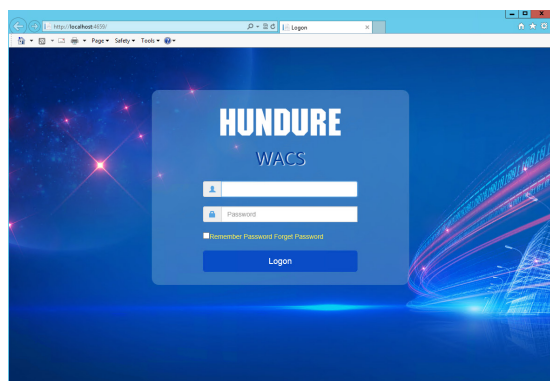
● Basic Info	● Access Control	● System Info
Basic Info Department Setting Jobtitle Setting User Setting User Group Setting	Week Setting Device Setting Device Group Setting Access Control Auth. User Auth Report	Admin Setting Admin Group Setting System Record Report

■ Personnel and Organizational Data Integration

- In addition to card numbers management, the system architecture also covers personnel, organizational units, job titles, and groups.
- Supports organizational hierarchy management with unit and superior unit structures.
- Able to maintain job titles and basic personnel information, and authorizations are set according to roles and identities.
- Allows grouping of personnel for easier batch authorization settings.
- Supports multi-card per person, offering flexibility for replacement, temporary, or shared cards.

■ Access Authorizations and Time Control

- Supports weekly schedules and date interval setting.
- Multiple time schedules per day for the rigorous access control.
- Authorizations can be assigned by individual, department, or group, aligning with enterprise practices.
- Devices can be organized and grouped for logical authorization deployment.
- Systemized management proves its value during personnel or departmental changes.



■ Web-Based Centralized Management

- Based on web-based platform management and not limited to standalone installation.
- Administrators can perform daily operations and queries via a web interface, offering higher flexibility.
- Ideal for enterprises with multiple administrators, cross-department management, or remote login needs.
- Features a homepage and shortcut functions to enhance operational efficiency.

Homepage Device Setting									
Add Update Device Info Param Copy Remote Open Add Initialization Initialization									
Device ID	Device Name	IP	Door No.	Online	Device Model	Last Sync DT	Created By	Created DT	Updated By
001	Door 1	172.16.35.161	1	V	HAC-971	2025-11-03 10:13:08	001	2025-11-03 10:12:04	
1,1 items									
Function	Param	Updated By	Last Update						
Count of Valid Card in Memory	3	001	2025-11-03 10:13:10						
Count of Swipe Record in Memory	0	001	2025-11-03 10:13:10						
Device Type	HAC-971QM	001	2025-11-03 10:13:10						
FW Version	1.00	001	2025-11-03 10:13:10						
Number of Card	80000	001	2025-11-03 10:13:10						
Total Swipe Card	100000	001	2025-11-03 10:13:10						
Number of Ethernet Ports	1	001	2025-11-03 10:13:10						
Number of RS485 Ports	2	001	2025-11-03 10:13:10						
Number of RS232 Ports	0	001	2025-11-03 10:13:10						
Support Card Auto Sort	1	001	2025-11-03 10:13:10						
Number of Doors	1	001	2025-11-03 10:13:10						
Number of Readers	1	001	2025-11-03 10:13:10						
Support Anti	1	001	2025-11-03 10:13:10						
Number of Weeks	256	001	2025-11-03 10:13:10						

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■ Centralized Device Maintenance and Remote Operations

- Centralized management for all access control devices.
- Supports remote door opening.
- Supports parameter replication to streamline project deployment.
- Provides initialization and anti-passback reset functions.

■ Multi-Credential and Mobile Access

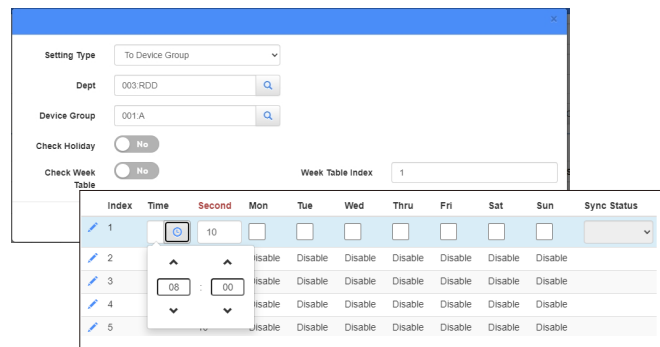
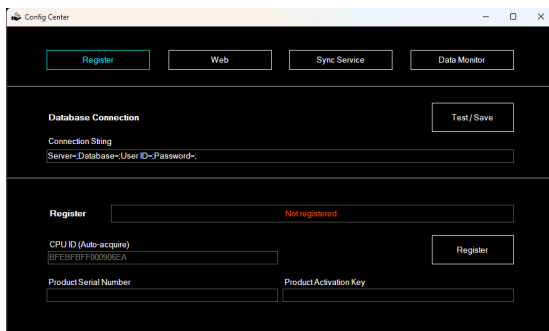
- Breaking beyond traditional card-based access, it enables mobile and modernized credential management.
- Supports physical card management and multi-card binding.
- Supports QR Code and mobile phone access.
- Work with apps, ensuring credentials are no longer limited to cards.

■ Reporting and Event Tracking

- Query personnel authorizations to quickly confirm authorization scope.
- Review swipe card records for daily tracking and anomaly investigation.
- Monitor device events to aid in troubleshooting.
- System operation logs allow tracing of configuration changes.

■ Open API Integration Capabilities

- Provides a complete API interface for easy integration with third-party systems.
- API functionality covers personnel, organizations, cards, devices, permissions, and records.
- In addition to data exchange, it also supports some device management.
- Able to integrate with HR, attendance, monitoring, property management, or other management platforms.
- Enhance the product's scalability for project-based clients and system integration applications.



System Requirements:

■ Server:

Hardware:

CPU: INTEL Xeon E-2334 3.4GHz (include) or above
Memory : 32GB (include) or above
HDD: 1TB SATA3 7200 rpm x 2
Network: RJ45 Interface x 2
Network Ports: TCP 4660, 4661, 3195, 3196, 9876, 502, UDP 3195
IO: Support USB2.0 \ 3.0 °
Include Monitor, Keyboard, Mouse....

Software:

Operation system: Windows Server 2022
Database: MS SQL SERVER 2022 (and above)

■ Virtual Server

Hardware:

CPU: 4 cores or above
Memory: 32GB or above
Capacity: 100GB or above, D: 200GB or above (for database backup)
Network Ports: TCP 4660, 4661, 3195, 3196, 9876, 502, UDP 3195

Software:

Operation System: Windows Server 2022
Database: MS SQL SERVER 2022 (and above)