LACS

LENSEC ACCESS CONTROL SYSTEM

OPEN ACCESS CONTROL & SECURITY PLATFORM

A PRODUCT BY LENSEC

LACS

LACS is a modern, comprehensive access control software. We make system integrators' life easier by leveraging open platform hardware, focusing on ease-of-use, providing tools for automation, mobile apps and open REST API. And of course, upholding the highest cyber-security standards.

WHAT DO YOU GET?

A POWERFUL PACKAGE

LACS is built with integrators and end-users in mind. For integrators, winning, installing and commissioning a project requires features, ease of use and reliability. Time spent is the common denominator in all project stages. And time savings are exactly what you get with LACS. Detect controllers automatically, update their firmware, customize alerts and automate tasks – all the power is packed in a simple, modern UI. Use Web client or a mobile app to monitor events, control users and get reports. Whenever your projects demand more, make use of built- in scripting engine or open REST API for integration. LACS end-users enjoy simplicity, ease-of-use and convenient access to valuable data. Operators only have access to the data they need. Key controls and reports are conveniently available from anywhere, - including iOS and Android apps on devices in your pocket. Issuing Mobile IDs is a breeze – same process as adding a card. And customizable report templates provide security insights at a click of a button. What's not to like?

INDUSTRY-LEADING TECHNOLOGIES

LACS is built for the open hardware. Current controller ranges from Mercury Security and HID Global are supported. Devices from Azure Access and Suprema Inc. provide broad choice of alternatives without compromising quality. HID mobile ID and STid mobile credential management is built into LACS. Pick STid Architect or HID Signo readers, and enjoy convenience of Mobile IDs. Use them in combination with RFID, UHF or QR code credentials for all access situations – such as long-distance parking openings or multi-factor authentication. If you would like parking to accommodate guests without pre-issuing cards for them, - LACS has got you covered with integrated AXIS License plate verifier. Aperio wireless locks from ASSA-ABLOY are supported for cost-effective building upgrades – universities, hotels, hospitals and other verticals.TANlock server locks from German manufacturer Fath Mechatronics can also be managed from LACS, bringing an excellent value to data centers and rack lock market. Rugged mobile devices from French company Coppernic feature integrated HID iClass Seos, Desfire EV1, EV2 or UHF readers. With long battery life and automatic sync, they enable time-and-attendance, mustering and random checks in remote or temporary locations, where wired ACS is just not feasible. SPLAN provides a comprehensive visitor management solution, DOOR-TABLET ensure seamless in-building navigation and workspace reservation.

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EASY TO SETUP AND USE DAILY

LACS is quick to install and easy to learn, both for integrators and end-users. Just a simple installer will get the whole system with background database up and running in minutes. Too long, on your powerful infrastructure? Spinning-up a Docker container takes mere seconds and can be fully automated! LACS uses clear, universally accepted icons and color schemes for the UI. A modern, customizable dashboard puts essential system data up-front. Each operator only sees the controls and data they are allowed to access. Visual floor plans with notifications, hot links and control buttons put the buildings at security personnel's fingertips. Persistent alerts make sure not a single important event goes unnoticed. Reporting filters are both intuitive and detailed, so you can access required event data quickly and easily.

SECURE PLATFORM – CLOUD OR ON-PREMISE

LACS is available as a standalone installer for Windows or in Docker container for Linux environment, making it easy to create, deploy and maintain your own cloud solution or enjoy the benefits of large-scale cloud providers. A floating license engine allows LACS to be deployed in highavailability VM setups just as easily as on a single machine. In case you prefer a fully managed service, LACS Cloud is just as great an option, saving you the hassle of server setup and maintenance. And no matter which option you choose for deployment – you, the customer, - remain the owner of your data. Export user data, create database backups and restore them any time you like. Being accessible does not compromise security. LACS follows cyber-security hardening recommendations from the manufacturers. We make full use of modern data encryption protocols and tools – such as controller security certificates, OSDP Secure Channel, TLS 1.3 encrypted controller communication and AES-256 encryption between devices. From web or mobile clients all the way to readers and credentials, - communication is secured without compromise.

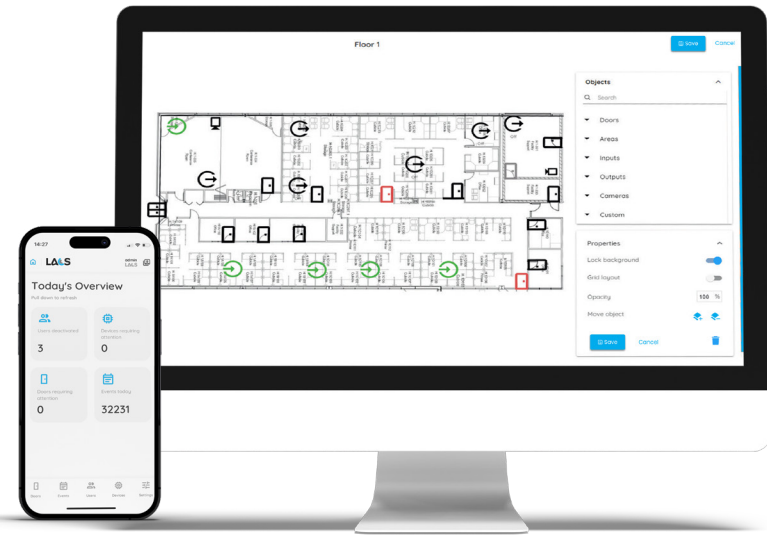
OPERATOR CONVENIENCE

LACS user interface adapts to each Operator based on their permissions. Need to setup an autonomous administrator for your new building? No problem, just add a new Location! Your HR department needs access to reports only? Easy, assign a viewing permission to HR manager. Do you have constantly rotating security staff? No need to spend long days in training - it will only take a few minutes to prepare a new guard for the task.

And did we mention you're no longer bound by your computer screen? LACS Mobile Manager Apps for both iOS and Android are free to use with LACS server, and bring key LACS controls to your phone.

HIGH PERFORMANCE AND SCALABILITY

LACS architecture allows efficient usage on lowpower PCs for small systems, where only a few doors must be managed. However, it can easily scale up to a few thousand of controllers and doors. We do understand the challenge of managing huge lists of users, access levels and devices – therefore LACS includes powerful search and filtering tools, group edit functionality, user list import as well as Active Directory integration for even further time savings. Do you already have a legacy access control platform and consider upgrading it? Do you have concerns regarding integration with existing systems and processes? We're here for you - feel free to extend LACS any way you like. It offers an open REST API, providing access to all features available through Web UI. Just give us a call or send an email for API documentation and a development license.



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ACCESS CONTROL FOR REMOTE LOCATIONS

When you must ensure safety and security at hard-to-reach and hard-to-service locations: construction sites, large and remote territories, mines or production facilities, look no further than LACS Mobile Checkpoint – rugged devices with a dedicated reader-controller app installed, extending LACS capabilities to remote locations

LACS CHECKPOINT

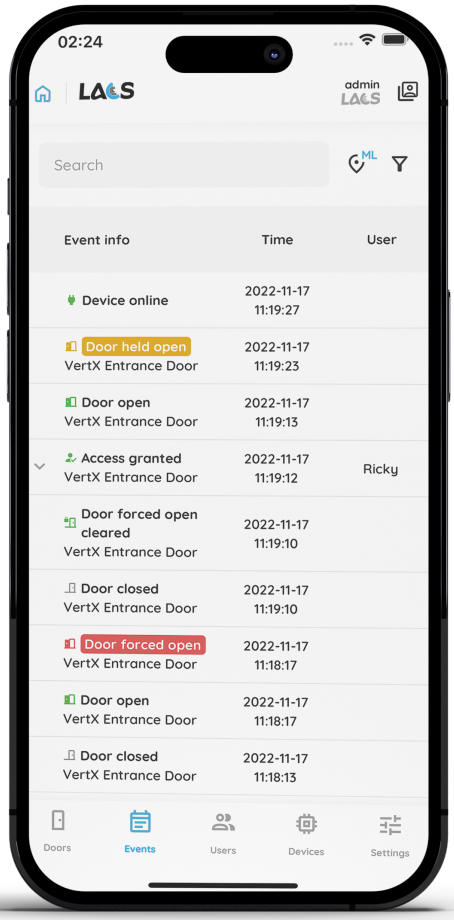
- Provides fully mobile access control points without cabling or hardware installation
- Enables reading multiple ID's – access cards, badges, tokens, QR and bar codes
- Dust and water proof, large capacity batteries for day-long use, standalone operation and data sync upon connection
- HID iClass SE and SEOS compatible via an embedded reader
- Serves as mustering point in emergency situations
- Delivers precise time and attendance information
- Useful for random checks, guard tours and on-site ID verification

TAKE CONTROL FROM YOUR PHONE

Mobile Manager application delivers the power of LACS to your phone. Control one or multiple systems, manage door locks and user access, check events and get reports - all in a free app!

LACS Mobile Manager

- Lock, unlock and see door status
- Activate or deactivate users
- Monitor events
- Check device status
- Get access reports



LACS MOBILE MANAGER

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LACS

REVOLUTIONIZE YOUR PARKING

Pay only for what you need - enjoy powerful car access control using **LACS** and Axis License Plate Verifier integration! Enjoy outstanding benefits of the integrated solution:

Convenience

Get all features on a single server, universal **LACS** access rules.

User-Friendly Operation

Control car and people access from single UI, use variety of credentials and mobile apps.

Enhanced Security

Customize alerts and threat levels, use multi-factor authentication.

Scalability

Easily expand the number of entry points, integrate using open REST APIs, add custom parking management logic.

To elevate your access control and vehicle management with **LACS** and AXIS License Plate Verifier, visit www.lensec.com to get a demo, or book a call with us.

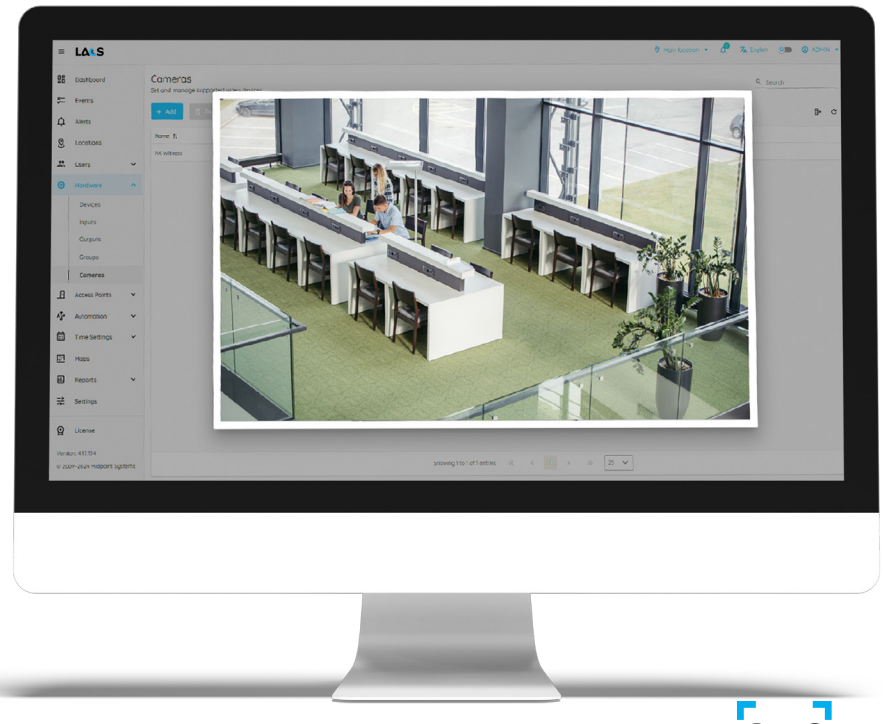
VIEW EVENT VIDEO STREAMS

See your event videos when you need them - use **LACS** and **Perspective VMS** integrations! **LACS** comes in with the choice of **Perspective VMS** and **SMOC** integrations.

LACS VMS integrations

- View live videos
- Automatically save clips and static pictures of events
- Use floor plans to see associated cameras and their views
- Start or stop recording on events, control PTZ cameras and more
- Automate camera and NVR actions using using Triggers mechanism

LENSEC and SMOC can serve as a video-first PSIM, allowing door control, event notifications and user identification straight from VMS interface.



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THE #1 SECURITY SOLUTION FOR DATA CENTERS

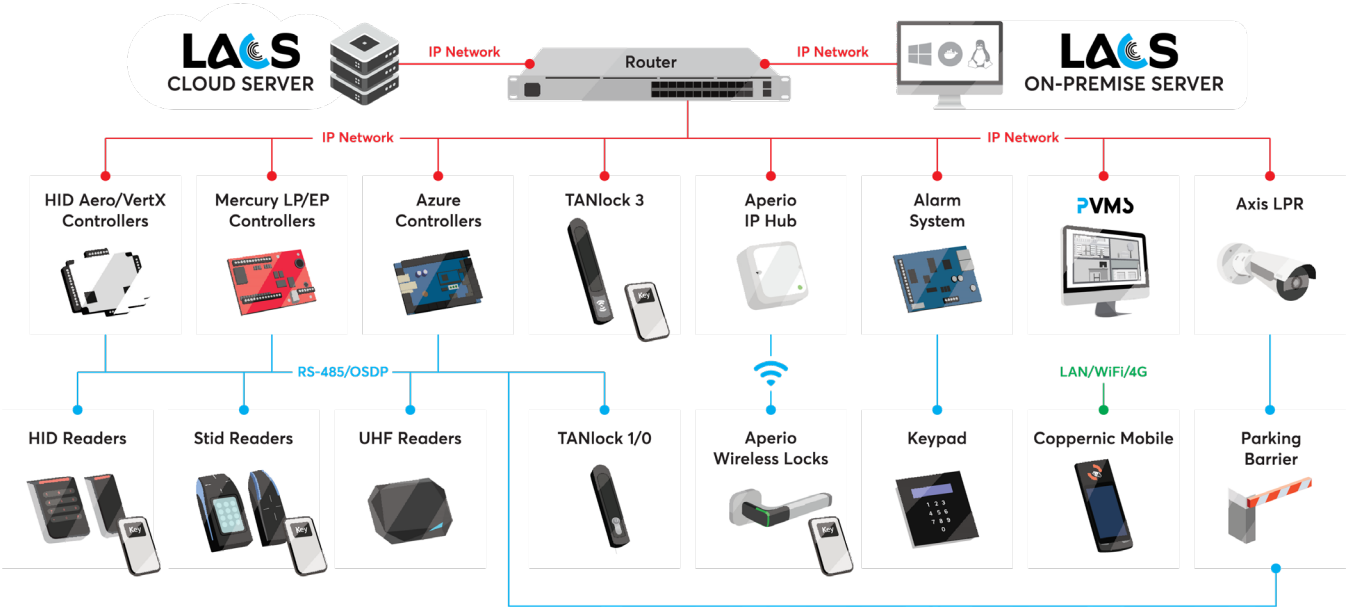
Data is the most critical asset of modern organizations. TANlock rack locks from FATH, Inc. are at the forefront of safeguarding your data center racks. They are directly integrated into **LACS**, providing security, ease-of-use and compatibility with existing enterprise systems. Use TANlock integration in **LACS** to create a standalone access control system, or a hardware management layer for your existing one.

LACS and TANlock benefits

- Quick deployment on Windows or Linux
- Convenient and secure rack lock management, locally or remotely,- mobile apps included
- Cost-efficiency – manage hundreds of TANlock 3's directly or clusters of TANlock 0's from a single controller
- Notifications, alerts and visuals on the floor plan
- A full-featured standalone access for a data center or a sub-system for external one through **LACS** REST APIs

Try **LACS** with TANlock today, and see how much the efficiency of your data center management improves!

LACS ACCESS CONTROL TOPOLOGY



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SPECIFICATION SHEET

FEATURES	CONTROLLERS							WIRE-LESS	INTRU-SION	CAM	VMS
	HID VERTX / EDGE EVO	HID AERO	MERCURY	AZURE ACCESS	SUPREMA CS40 / XP2	TANlock (SERVER LOCKS)	CHECK POINT MOBILE DEVICE	APERIO	ASB CCS MusDO	AXIS (LPR)	LENSEC PERSPECTIVE VMS
USER MANAGEMENT											
Bulk user data import	●	●	●	o	●	●	●				
Active Directory -> LACS user import	●	●	●	o	●	●	●				
Webcam support for user profile pictures	●	●	●	●	●	●	●				
User validity (Activation/Expiration)	–	●	●	–	–	–	–				
User vacation	–	●	●	–	–	–	–				
MOBILE ID MANAGEMENT											
STid Mobile ID integration	● / ●	●	●	o	o	–		●			
HID Origo Mobile ID Integration	● / ●	●	●	●	o	o		●			
INTRUSION AND ALERT MANAGEMENT											
ASB Security panel and module support									●		o
Advanced alert management with confirmation	●	●	●	o	●	o	●		●		o
OPERATOR MANAGEMENT											
Operator count (3 included in any license)	∞	∞	∞	∞	∞	∞	∞				
Operator permission control (RBAC)	●	●	●	●	●	●	●				
Password security policy	●	●	●	●	●	●	●				
Operator access level distribution	●	●	●	●	●	●	●				
DEVICE MANAGEMENT AND CONTROL											
Access level activation / expiration date	–	●	●	–	–	–	–				
Anti Passback (APB), Local, Doors per controller	32, VertX	64	64	o	o	–					
Interlock	o	●	●	o	o	–					
Occupancy	o	●	●	o	o	–					
OSDP Reader support	o	●	●	●	o	–			o		
Reader LED and Beep configuration	o	●	●	o	o	–			o		
Controller & Module firmware upgrade	–	●	●	–	–	–	–		–		
Individual time zones	●	●	●	●	●	–	–				
Manual timed input bypass	–	●	●	–	–	–	–		●		
Output control confirmation	●	●	●	●	–	–	–				
DOOR MANAGEMENT AND CONTROL											
Operator direct control (lock/unlock/default)	o	●	●	o	●	o	o				
Lockdown	o	●	●	o	●	o	o				
Scheduled lock/unlock	o	●	●	o	●	–	o				
Schedule on first user entry (Snowman)	o	●	●	o	o	–	o				
Door unlocked until further action (Classroom)	o	●	●	o	o	–	o				
Double card feature	–	●	●	–	–	–	–	●			
Two-card authentication	–	●	●	–	–	–	–	–			
Card use limit	–	●	●	–	–	–	–	–			
FLOOR PLAN / MAP											
Visual door state indication	●	●	●	●	●	●					
Device state indication	o	o	o	o	o	o					
I/O state indication (On / Off)	●	●	●	o	●	o			●		
Item control from the map	●	●	●	o	●	●			o		
Area state indication (Armed/Disarmed/Alarm)									●		
Layer management	●	●	●	●	●	●			●		
OTHER SOFTWARE FEATURES											
Triggers (If-Then logic) & Scripting	●	●	●	o	●	o	o				
Audit log	●	●	●	o	●	o	o				
Scheduled reports	●	●	●	o	●	o	o				
Card designer / printing module	●	●	●	o	●	●	o				
Elevator management, floors	o	<= 128	<= 128	o	o	–	–				
Live device synchronization	o	●	●	o	o	o	o				
Alerts and monitoring module	●	●	●	●	●	●	o		●		
Card history	●	●	●	●	●	●	●				
Card information in event details	●	●	●	●	–	–	o				
Escort	–	●	●	–	–	–	–				
Keypad commands (Locker feature)	–	●	●	–	–	–	–				
User access history	●	●	●	●	●	●	●				
VIDEO FEATURES											
Display live camera stream							o			–	o
Display time-stamped clip of an event							o			●	o
Display event snapshot (photo)							●			●	o
Car License Plate Recognition							o			●	o
Control cameras by HTTP commands							o			o	o
Control LACS doors from VMS interface							o			–	●
Get LACS events										–	●
Send events to LACS							●			●	o

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LACS PLATFORM FEATURES

- Unified and open hardware platform – use controllers of your choice from Mercury, HID, Azure Access or Suprema Inc. and benefit from their distinct advantages
- Modern WebUI with dynamic dashboard and notifications
- Interactive floor plans, including event highlighting and direct controls
- Advanced monitoring with customizable alerts and threat levels
- Multi-factor IDs, including built-in HID Origo and STid Mobile credential management
- Mobile Manager application for iOS and Android
- LACS Checkpoint mobile reader-controller for mustering and random checks
- Interlock, Anti-passback, scheduled door modes and Holiday exceptions
- Elevator control
- Wireless lock support, including Aperio from ASSA-ABLOY and TANlock server rack locks
- Rule-based automations and action scripts
- Powerful filtering and search capabilities
- Extensive report engine, including Time and Attendance data
- Active Directory support
- Role-based Operator permissions
- Logical DB segmenting
- ID badge template design and printing
- License plate recognition and parking management
- Integrated with Visitor management and Workplace reservation systems
- Highest security standards, including TLS 1.3, OSDP Secure Channel, and AES256 encrypted device
- communication
- Password policy management
- Automated controller and module firmware updates
- Cross-platform (Windows/Linux) and multi-language support
- Open REST API