RACK AND CABLE MANAGEMENT

e-LOCK SOLUTION

Olabs SecureLock™

Cabinet level smart locking protection system makes a valuable contribution to the security of critical IT infrastructure. OLABS e-lock is an electromechanical locking system designed for cabinet to provide a convenient and intelligent access methods with advanced security management. This technology offers a number of advantages including tracing and recording for data collection and diagnostic abilities, and remote operation and management.



Different combination of authentication methods are available to meet specific needs:

- Mechanical key
- Remote control
- Card
- Password
- Fingerprint

KEY FEATURES

Monitor Centre

- Device information overview
- Lock status with color changes
- Real-time alarm reminder

Device Management

- Lock affiliated area setting
- Lock and access unit management

User Management

- User authorization management
- Group authorization management

Data Analysis

- Unlocking method tracking

Record Search

- Operating record search
- Alarm record search

Task Management

- Remotely dispatch to lock

Authority Management

- Lock permission settings
- Authorization log query function
- Permission audit function

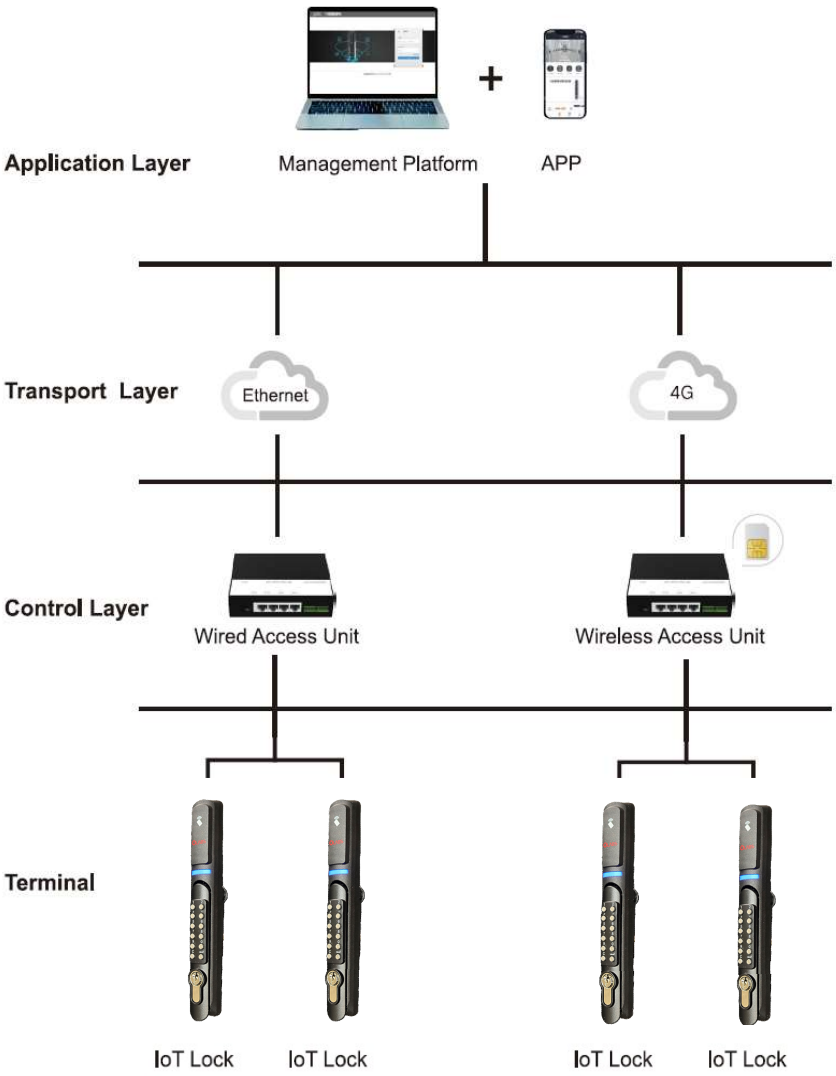
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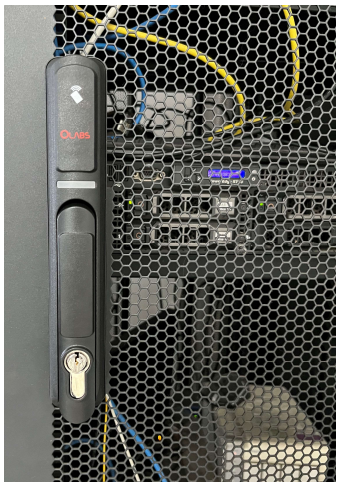
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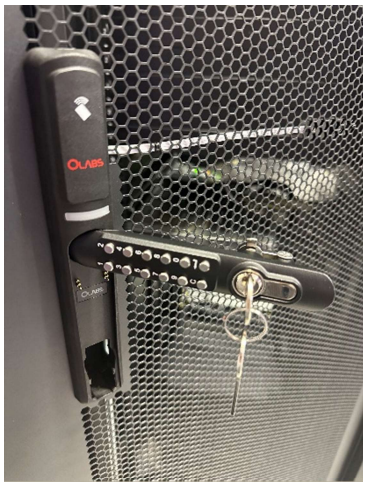
e-LOCK SOLUTION

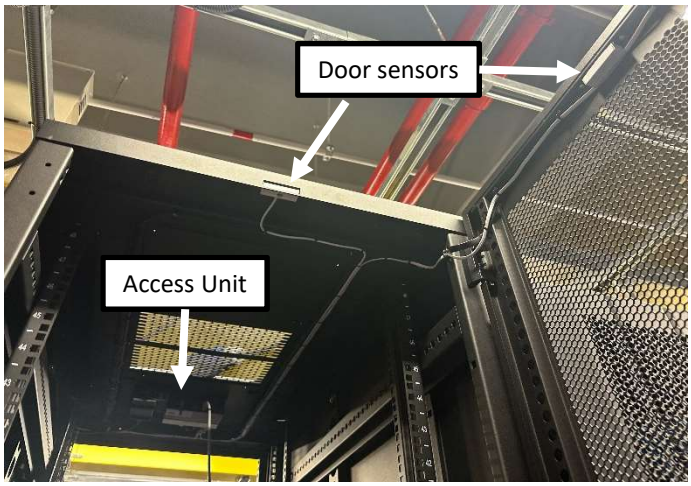
e-LOCK SOLUTION

SYSTEM ARCHITUCTURE









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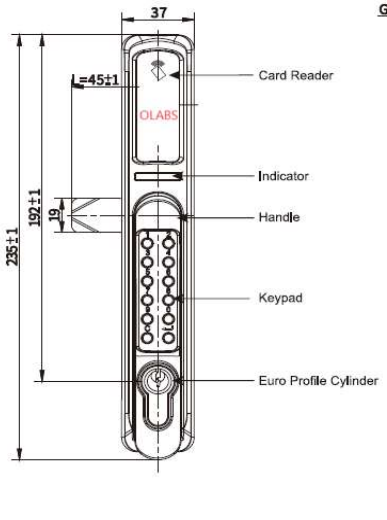
e-LOCK SOLUTION

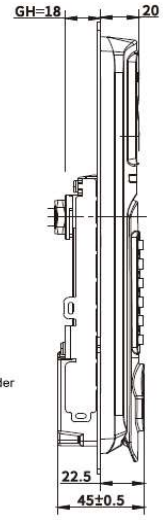
- Cabinet e-Lock

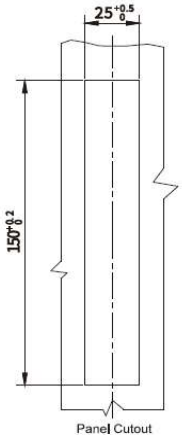
SPECIFICATIONS

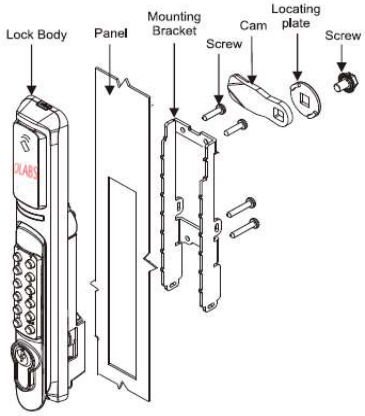
Item	Parameter
Dimension	235 x 37 x 22.5mm
Working Voltage	DC 12V
Idle Current	< 50mA
Working Current	< 80mA
IP Rating	IP40
Access Method	Mechanical Key + Remote Control (485) +
	Password (Optional) + Card* (Optional) +
	Fingerprint (Optional) + Bluetooth (Optional)
Communication Method	RS485, Wiegand (Optional)
Storage Capacity	Password: 200 / Card: 200 / Fingerprint: 99
Material and Finish	PA body, zinc alloy handle, black textured powder coated

* White IC card 85mm x 54mm, 13.56Mhz (Customized card available upon request)









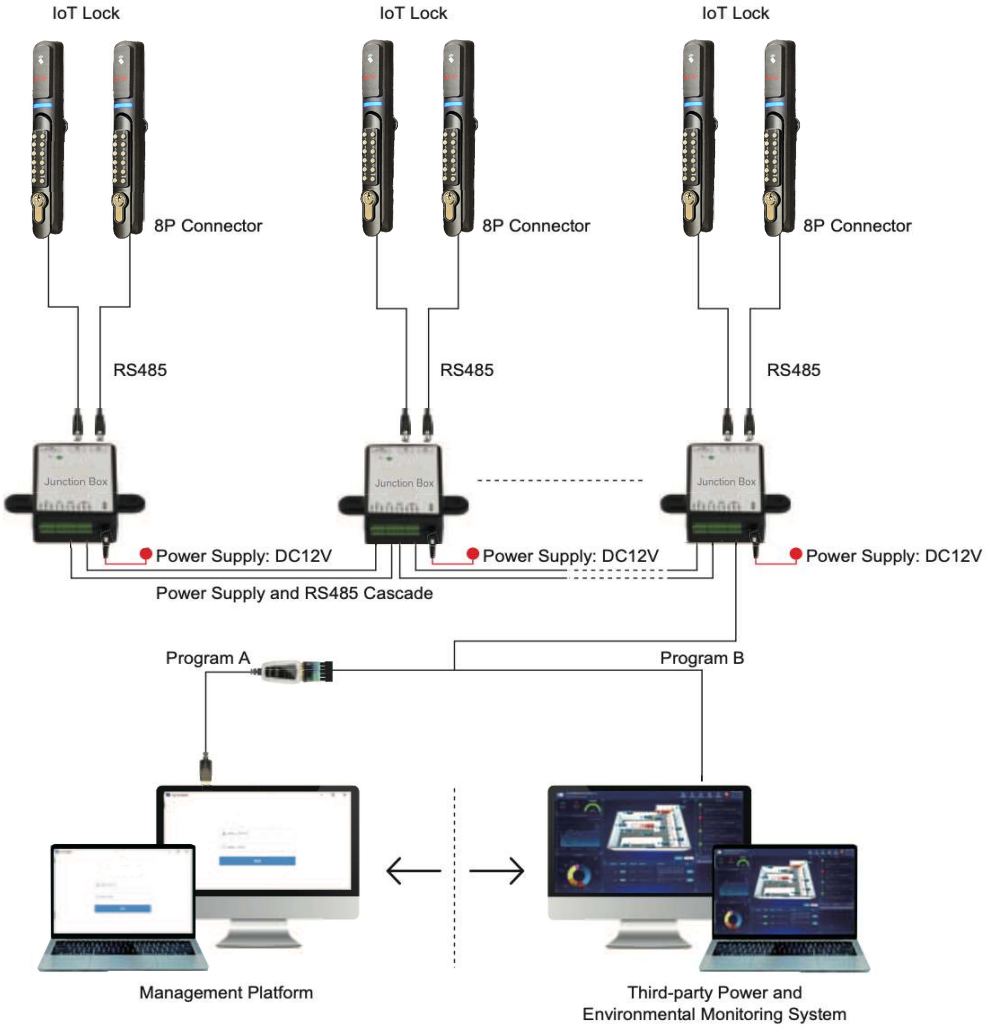


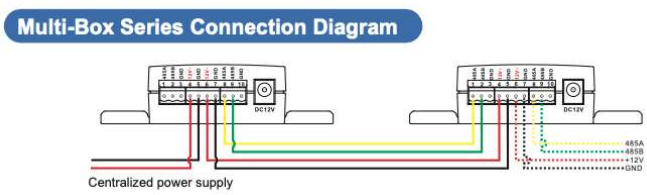
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e-LOCK SOLUTION

Networking Solutions – RS485

OLABS e-locks with RS485 networking solution can realize the locks and access control functions for permission management, real-time management and record search, thereby achieving real-time protection and access control of the cabinet. Each line can be connected to 32 IoT locks. RS485 to USB Converter is a universal conversion device, used to realize the communication mode conversion from RS485 to USB2.0 and meet various communication needs.





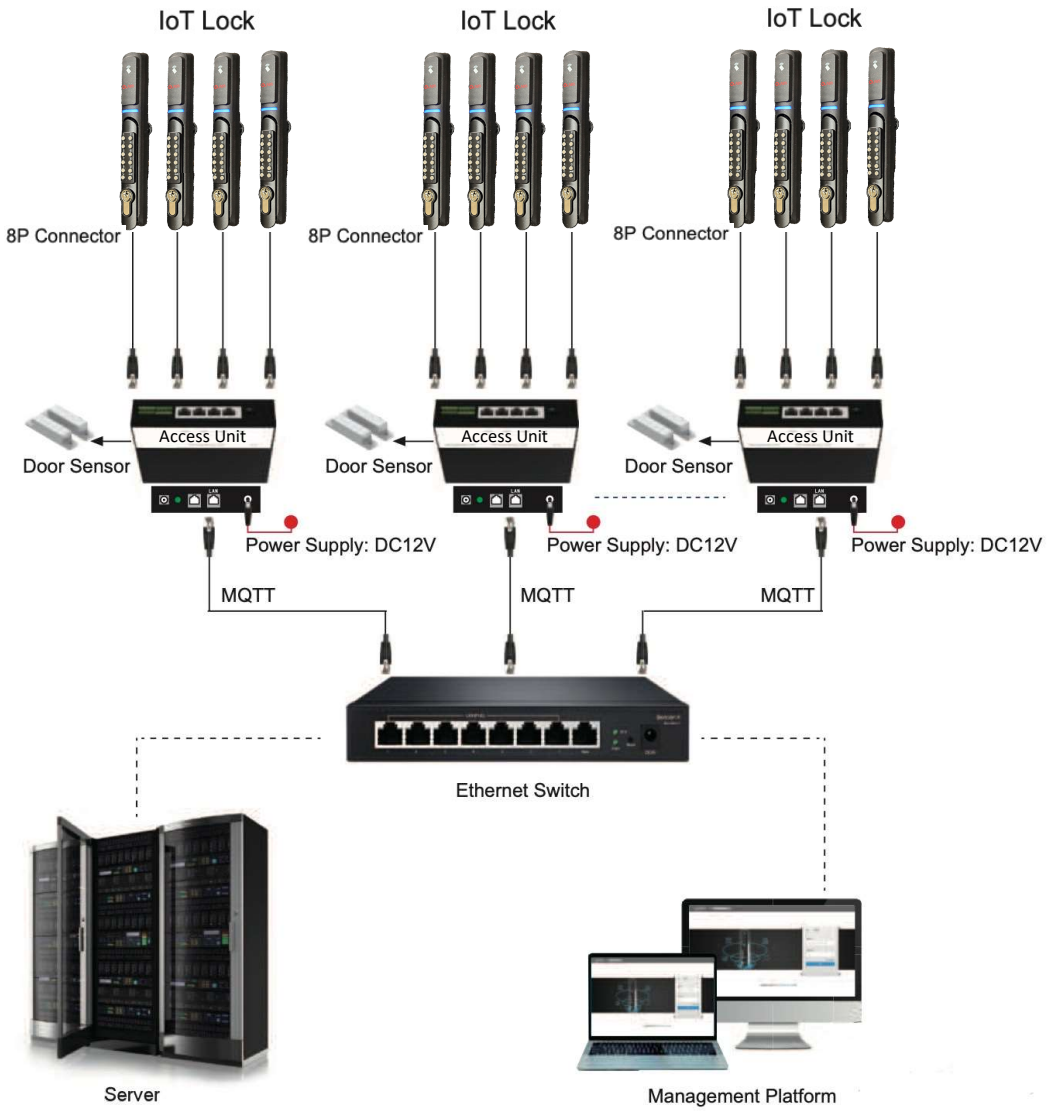
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e-LOCK SOLUTION

Networking Solutions – Ethernet

Olabs e-lock management system, which is based on LAN or cloud IoT platform, provides an integration of OLABS e-locks and access control system for device management, unlocking authorization, lock opening and recording, sensor data collection and data analysis, etc.

- Each Access Unit is capable of a maximum of 4 OLABS e-locks.
- An IP address needs to be set for each Access Unit. DHCP protocol is used to automatically set the IP address on default. The IP address can be set manually.

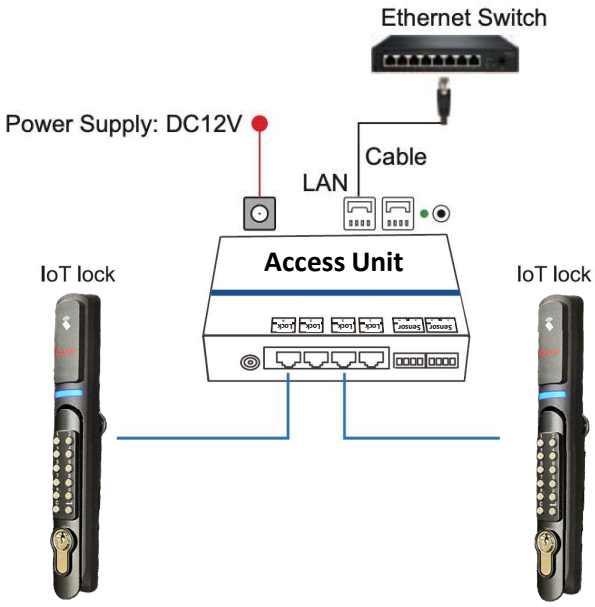


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e-LOCK SOLUTION

Access Unit

Access Unit is a centralized control device for the cabinet IoT network, serving as a communication bridge between the OLABS e-lock and the server. This device can seamlessly extend the RS485 signal of the e-lock to the cloud. With the use of a router or switch, it easily connects to the internet, achieving efficient data transmission and remote management .



SPECIFICATIONS

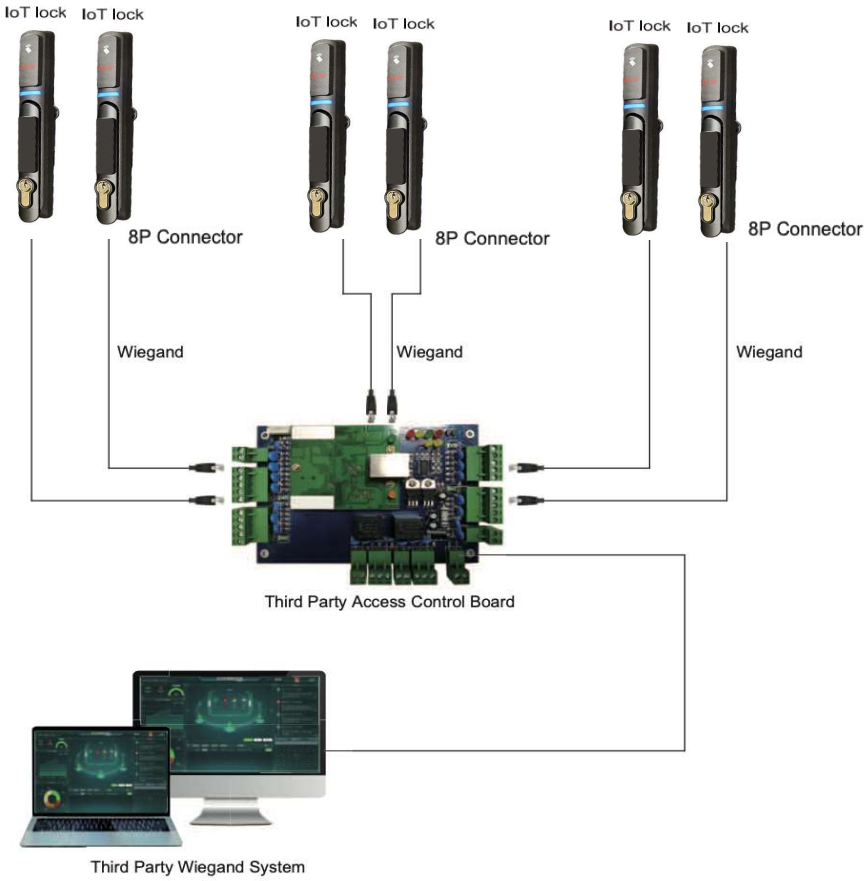
Item	Parameter
Dimension	235 x 135 x 33mm
Working Voltage	DC 12V
Working Current	100 mA
Maximum Load Current	Max. input current is 2A
Communication with Network Switch	Ethernet
Communication with e-Lock	RS485
Number of Locks	Can connect up to 4 OLABS e-locks
Number of Door Sensors	Can connect up to 4 sets of door sensors

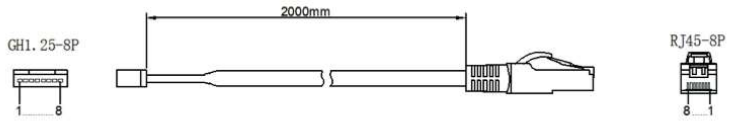
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e-LOCK SOLUTION

Networking Solutions – Wiegand

Integration of OLABS e-locks and access control system through the third-party Wiegand control board to realize the locks and access control functions.





Pin Number	Pin Color	Pin Definition	Remarks
1	Red	12V+	Power line
2	Black	GND	Power line
3	Yellow	Wiegand D0	Wiegand communication line
4	Green	Wiegand D1	Wiegand communication line
5	White	DO+	DO signal line
6	Blue	DO-	DO signal line
7	Orange	Handle Status	Handle Status
8	Brown	GND	Handle Status

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