HIKVISION

DS-K6B221TX
Swing Barrier

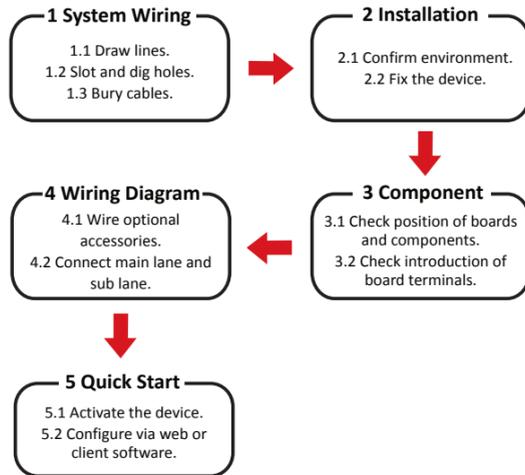### Quick Start Guide
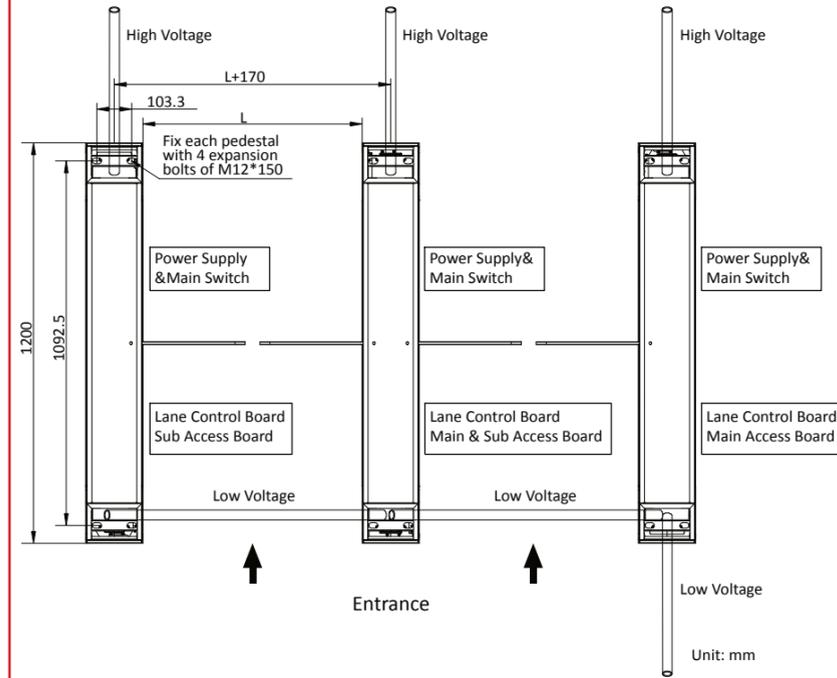
UD39367B

User Manual

Wiring & Installation Video

Quick Start Flow Chart

1 System Wiring
- 1.1 Draw lines.
- 1.2 Slot and dig holes.
- 1.3 Bury cables.

2 Installation
- 2.1 Confirm environment.
- 2.2 Fix the device.

4 Wiring Diagram
- 4.1 Wire optional accessories.
- 4.2 Connect main lane and sub lane.

3 Component
- 3.1 Check position of boards and components.
- 3.2 Check introduction of board terminals.

5 Quick Start
- 5.1 Activate the device.
- 5.2 Configure via web or client software.

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1 System Wiring

L+170
103.3
1200
1092.5

Fix each pedestal with 4 expansion bolts of M12*150

High Voltage · High Voltage · High Voltage

Power Supply &Main Switch | Power Supply& Main Switch | Power Supply& Main Switch

Lane Control Board Sub Access Board | Lane Control Board Main & Sub Access Board | Lane Control Board Main Access Board

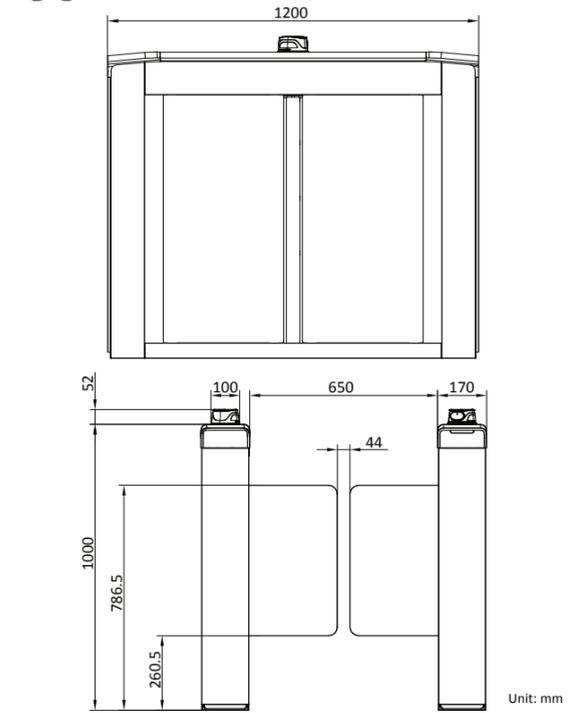Low Voltage · Low Voltage · Low Voltage

Entrance

Unit: mm

Steps:
1. Draw a central line on the installation surface of the left or right pedestal.
2. Draw other parallel lines for installing the other pedestals.

   ℹ The distance between the nearest two lines is L+170 mm.

3. Slot on the installation surface and drill installation holes after determining the hole positions. Put 4 expansion bolts of M12*150 for each pedestal.
4. Bury cables.

ℹ
- High voltage: 100 to 240 VAC, 50 to 60 Hz AC power input.
- Low voltage: network communication cable
- The inner diameter of the low voltage conduit and of the high voltage (AC power cord) conduit should be larger than 30 mm. If any high-power authentication device is required to install on the left pedestal, the diameter of its conduits should be larger.
- If you want to bury both of the AC power cord and the low voltage cable, the two cables should be in separated conduits to avoid interference.
- If more peripherals are required to connect, you should increase the conduit diameter or bury another conduit for the external cables.
- The external AC power cord should be double-insulated.
- The network cable must be CAT5e or other cables with better performance.
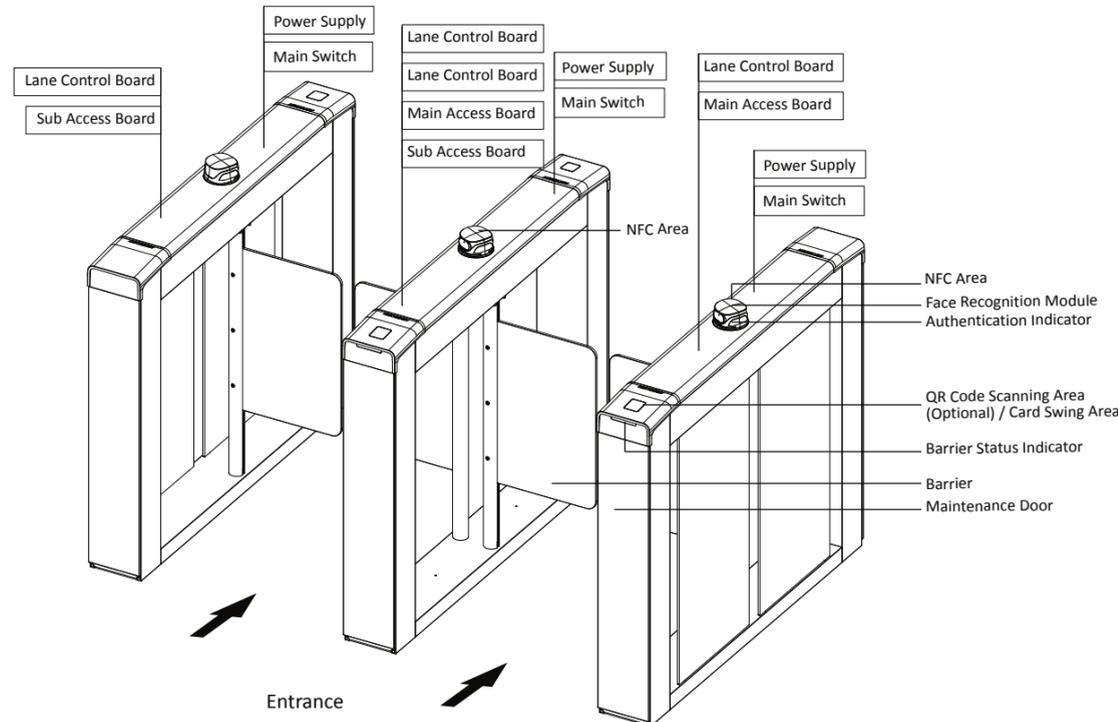- Before digging holes, evaluate the thickness of the installation surface to avoid puncturing.

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2 Installation

Steps:
1. Prepare installation tools, check the components, and clean the installation base.
2. Align the pedestals with the pre-buried expansion bolts, and remove the bottom maintenance door by removing the 2 screws.
3. Secure each pedestal with expansion bolts, and fix the maintenance door to its original position.

ℹ
- Make sure the device is installed on flat surface. The foundation should be hard and the thickness should exceeds the length of the expansion bolt.
- Make sure the device is powered off during installation and other operations.
- The installation tools are put inside the package of the pedestal.
- In order to prevent stainless steel from rusting due to dirt during the installation, it is recommended to tear off the protective film after the device is installed.
- There may be residual glue at the film cutting position, and it is recommended to wipe the glue with WD-40 protective liquid after tearing the film.
- Do not immerse the pedestal in the water.
- If the installation area is close to the wall, make sure the distance between the pedestal and the wall should be more than 20 mm, or you might cause damage to the device or cannot open the pedestal's top panel.
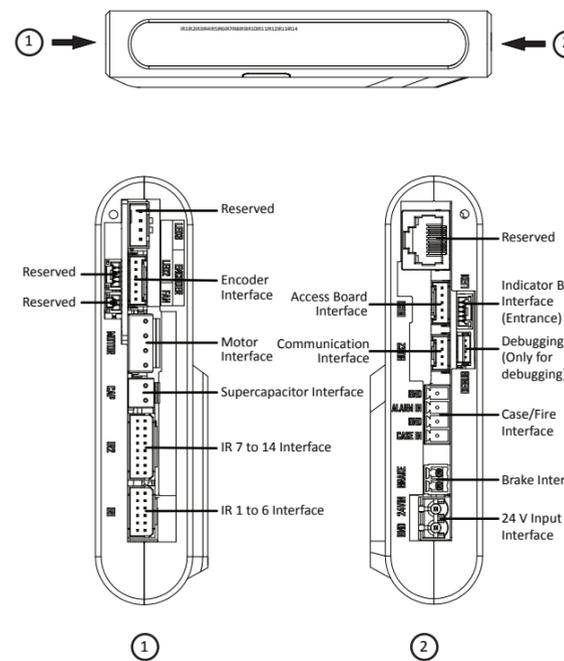
≥20 mm

Dimensions

ℹ The diagram is for reference. Dimensions may differ in models.

1200
52
100 · 650 · 170
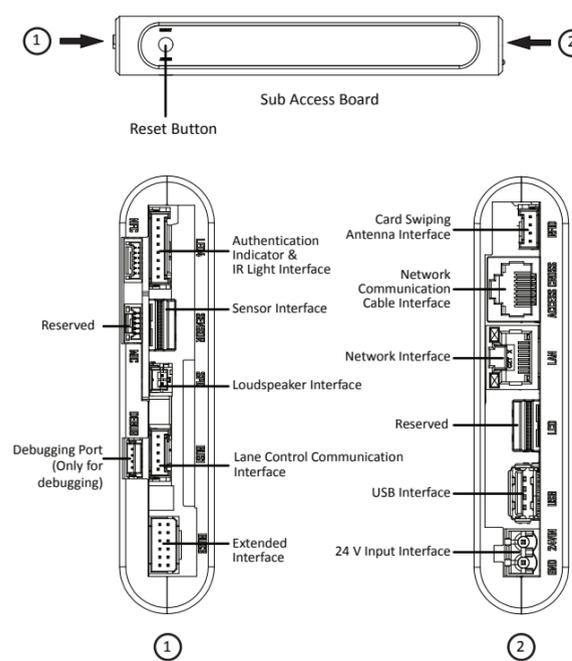44
1000
786.5
260.5

Unit: mm

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3 Components Introduction

Power Supply
Main Switch
Lane Control Board
Sub Access Board
Lane Control Board
Main Access Board
Power Supply
Main Switch
Lane Control Board
Main Access Board
Power Supply
Main Switch

NFC Area
NFC Area
Face Recognition Module
Authentication Indicator
QR Code Scanning Area (Optional) / Card Swing Area
Barrier Status Indicator
Barrier
Maintenance Door

Entrance

● Lane Control Board

① ②

- Reserved
- Reserved
- Reserved
- Encoder Interface
- Motor Interface
- Communication Interface
- Supercapacitor Interface
- IR 7 to 14 Interface
- IR 1 to 6 Interface
- Reserved
- Access Board Interface
- Indicator Board Interface (Entrance)
- Debugging Port (Only for debugging)
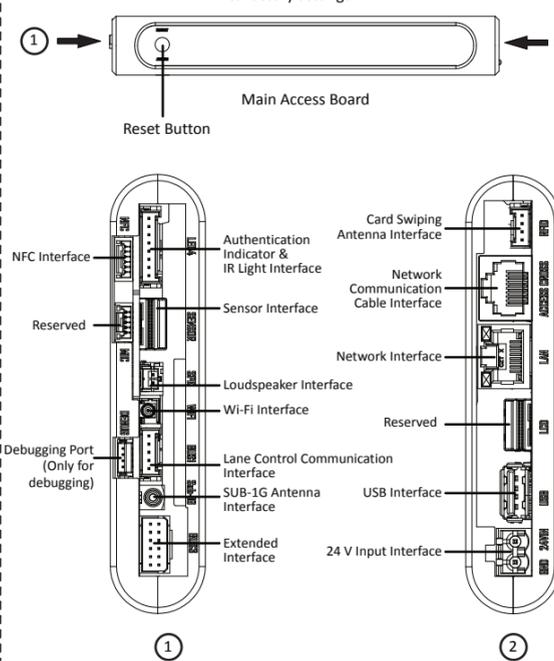- Case/Fire Interface
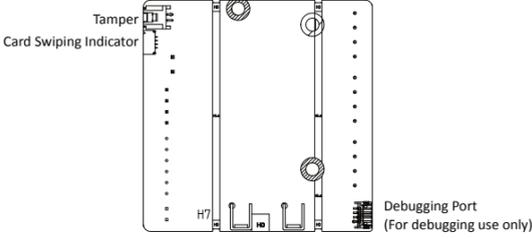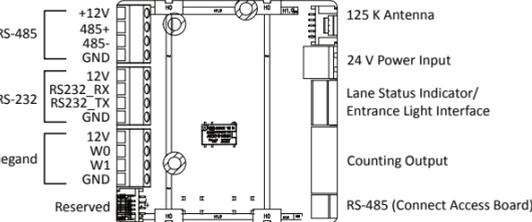- Brake Interface
- 24 V Input Interface

● Access Board

ℹ Hold the reset button for 5 s, the device will beep twice (main access board only) and start restoring to factory settings.
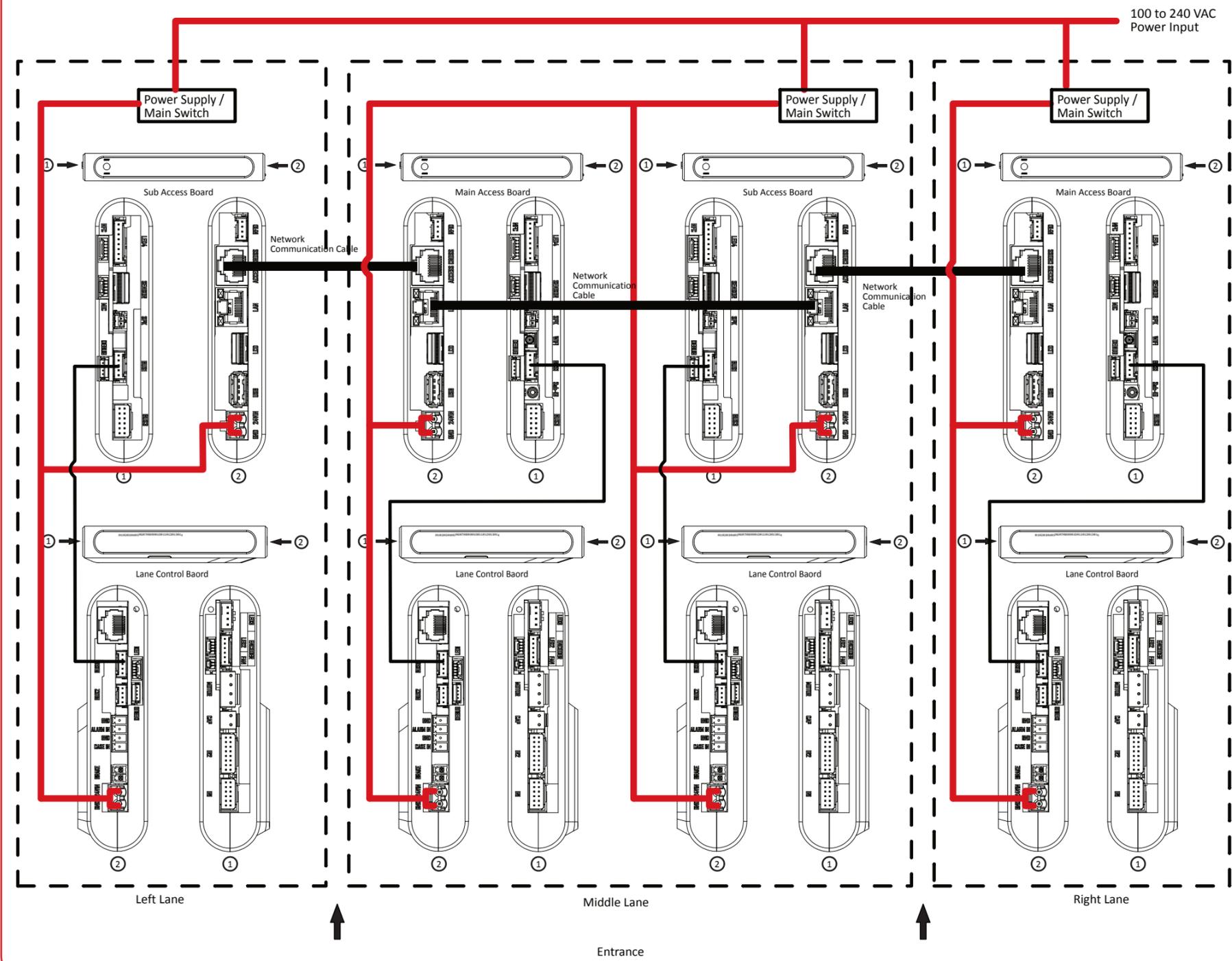

① ②

Reset Button
Main Access Board

- NFC Interface
- Reserved
- Debugging Port (Only for debugging)
- Lane Control Communication Interface
- SUB-1G Antenna Interface
- Extended Interface
- Authentication Indicator & IR Light Interface
- Sensor Interface
- Loudspeaker Interface
- Wi-Fi Interface
- Card Swiping Antenna Interface
- Network Communication Cable Interface
- Network Interface
- Reserved
- USB Interface
- 24 V Input Interface

① ②

Reset Button
Sub Access Board

- Reserved
- Debugging Port (Only for debugging)
- Extended Interface
- Authentication Indicator & IR Light Interface
- Sensor Interface
- Loudspeaker Interface
- Lane Control Communication Interface
- Card Swiping Antenna Interface
- Network Communication Cable Interface
- Network Interface
- Reserved
- USB Interface
- 24 V Input Interface

ℹ You can connect the QR code scanner by the USB interface.

Interface Board

Front View

RS-485
+12V
485+
485-
GND
125 K Antenna

12V
RS-232 RX
RS-232 TX
GND
24 V Power Input

Lane Status Indicator/
Entrance Light Interface

12V
W0
W1
GND
Wiegand

Counting Output

Reserved
RS-485 (Connect Access Board)

Rear View

Tamper
Card Swiping Indicator
H7
Debugging Port
(For debugging use only)

4 Wiring Diagram

• The power cable from main switch to the lane control board and access board has been connected. You will need to prepare the 14AWG power cable to connect the AC power input to power supply.
• The ① and ② refer to the two sides of a same board.

100 to 240 VAC Power Input

Power Supply / Main Switch

Sub Access Board

Main Access Board

Network Communication Cable

Network Communication Cable

Network Communication Cable

Lane Control Board

Left Lane

Middle Lane

Right Lane

Entrance

5 Quick Start

● Activation

ⓘ Make sure the device and the computer are under the same network segment.
● Enter the device default IP address (192.0.0.64) and create a new password (admin password) to activate the device.
● Download SADP or client software from the official website and run it, search all devices on your LAN, select your device and create a new password (admin password) to activate the device.

ⓘ ● We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. Characters containing admin and nimda are not supported.

● Configuration via PC Web

Make sure the device is activated. Enter the device IP address in the address bar of the web browser and press **Enter** to enter the login page. Enter the device user name and the password. Click **Login**.

● Configuration via Mobile Web

If device hotspot is disabled: Make sure your mobile phone and the device are connected to the same network. Place your phone to the NFC area and the device IP address will pop up, tap the address to go to the login page.

If device hotspot is enabled:

Android System: Place your phone to the NFC area and the name and password of the device hotspot will be obtained automatically. Confirm to connect, you will go to the login page.

iOS Ssystem: Enable the phone's Wi-Fi function, and connect to the current device's hotspot. After hotspot is connected, you will go to the login page.

Hotspot Name: AP_Serial No.

Hotspot Password: Device's Serial No.

You can configure the turnsile basic parameters, keyfob settings, light settings, network settings, access control settings, etc.

● Configuration via Client Software

After downloading the client software, you can conduct device management, group management, person managment and access control management.

⚠ Laser radiation, do not look directly at the beam.
Class 1 laser products, IEC 60825-1:2014