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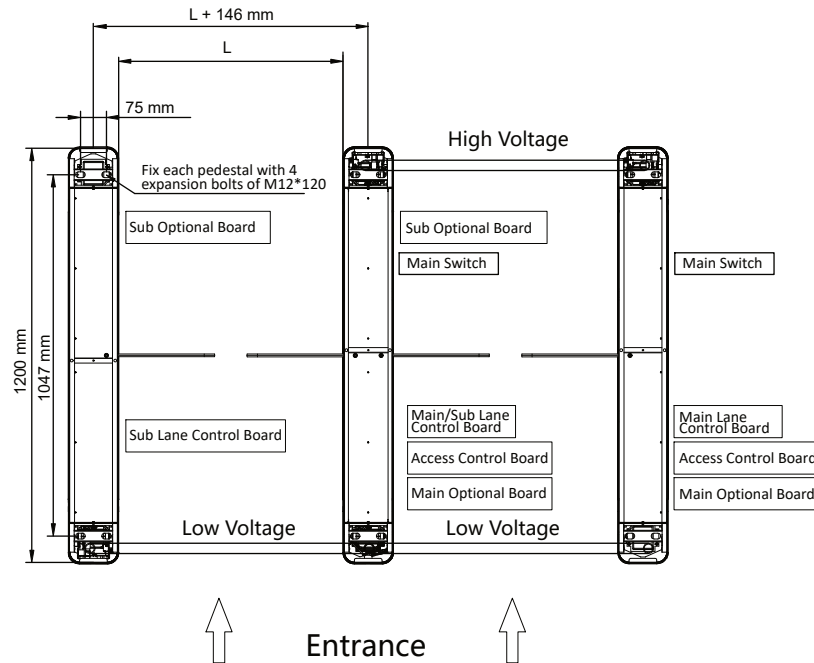


DS-K3B220X Series Swing Barrier

Quick Start Guide

UD30049B-A

1 System Wiring



Steps:

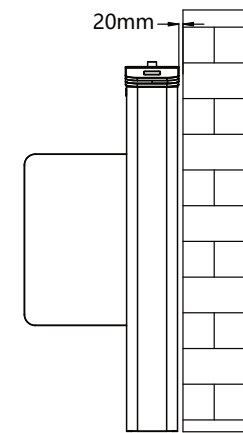
1. Draw a central line on the installation surface of the left or right pedestal.
 2. Draw other parallel lines for installing the other pedestals.
 3. Slot on the installation surface and dig installation holes according to the hole position. Put 4 expansion bolts of M12*120 for each pedestal.
 4. Bury cables. Each lane buries 1 high voltage cable and 1 low voltage cable. For details, see the system wiring diagram.
- High voltage: AC power input
 - Low voltage: interconnecting cable (communication cable and 24 V power cable) and network communication cable.
 - The supplied interconnecting power cable length is 2.5 m and communication cable length is 3 m.
 - The suggested inner diameter of the low voltage conduit is larger than 30 mm.
 - 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 the network cable has better performance.

2 Installation

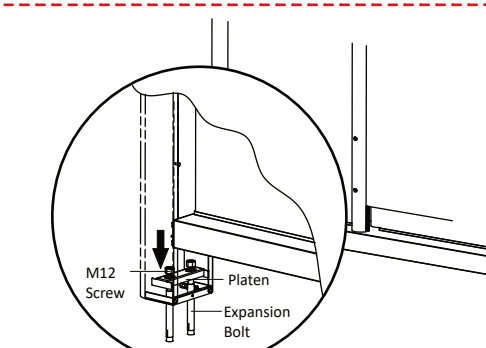
Steps:

1. Place the pedestal above the embedded expansion bolt.
2. Unscrew the lower maintenance door and remove the maintenance door.
3. Place the platen on the expansion bolt and adjust the position of the pedestal to make sure the platen fits well to the bottom of the pedestal.
4. Fasten the nuts of the expansion bolts with a screwdriver (shaft diameter under 7 mm and shank length more than 120 mm) and reinstall the maintenance door.

Scan the QR code to view the user manual.

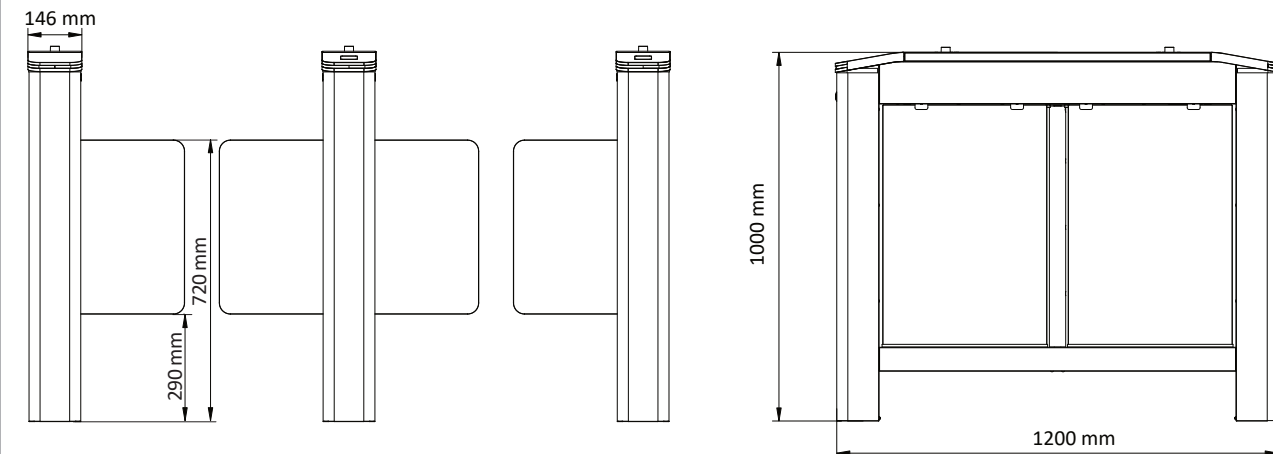


If the installation area is close to the wall, make sure the distance between the pedestal and the wall should be more than 20 mm, or you cannot open the pedestal's top panel.



Each pedestal should be fixed with two floor platens.

Dimension



Scan the QR code to view the unboxing video.



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About this Manual
The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (<https://www.hikvision.com/>). Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

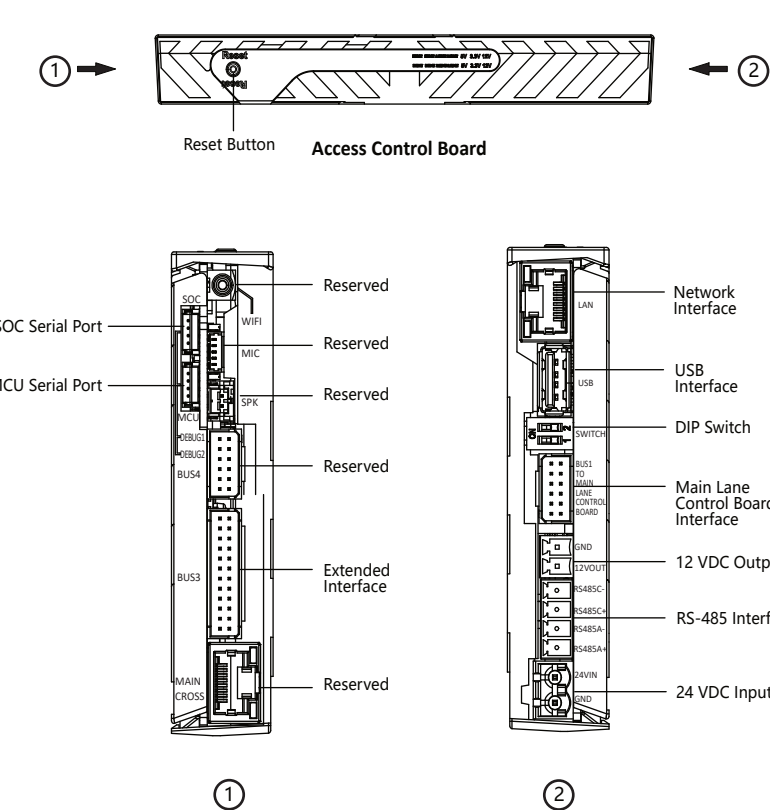
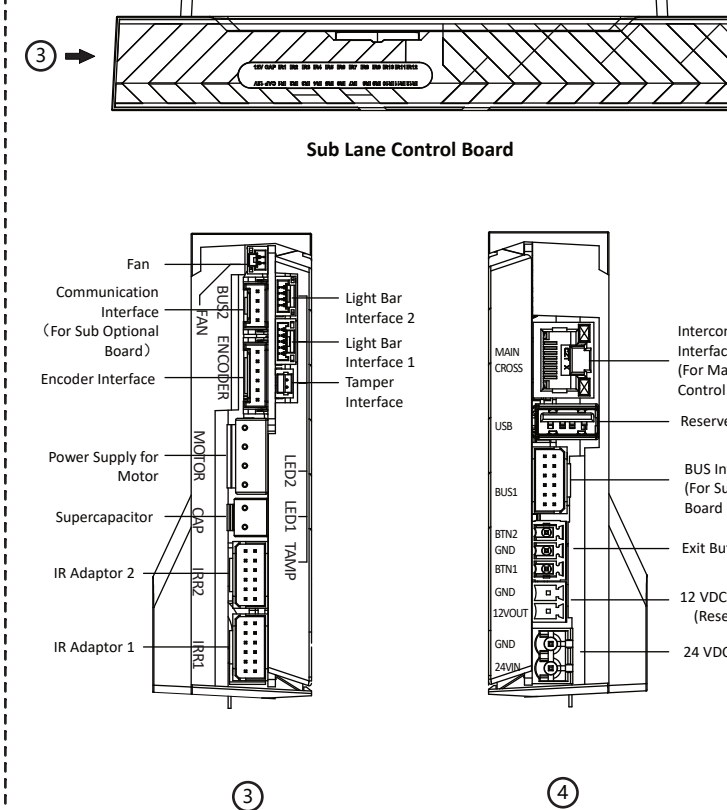
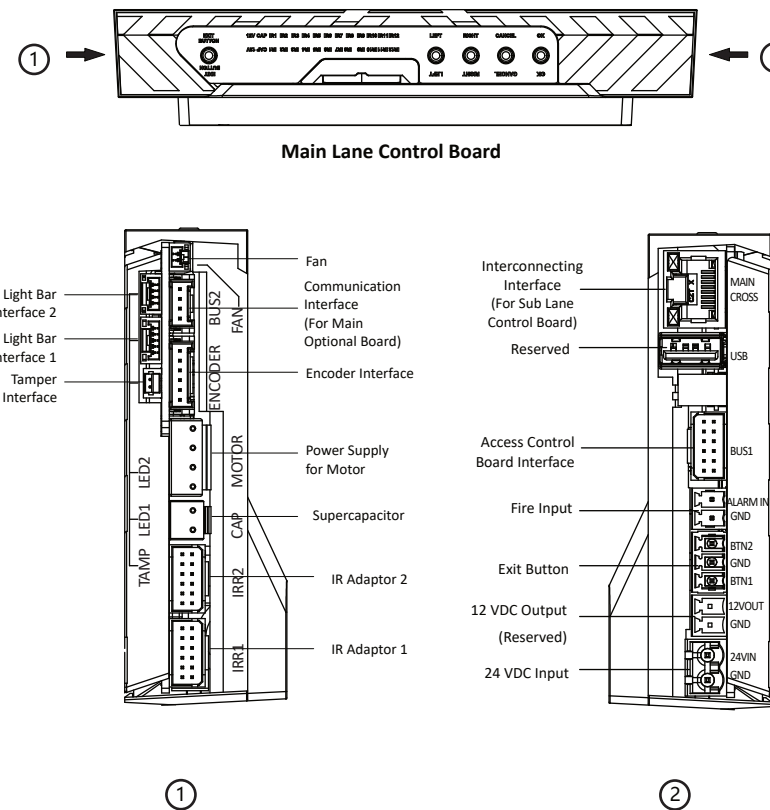
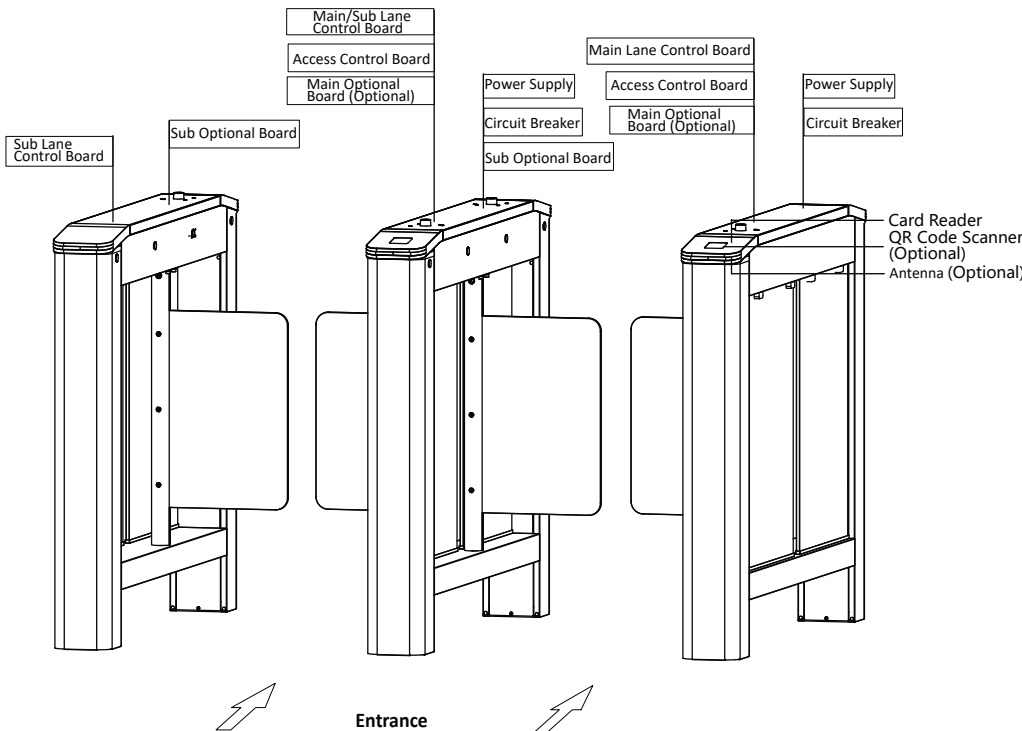
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Data Protection
During the use of device, personal data will be collected, stored and processed. To protect data, the development of Hikvision devices incorporates privacy by design principles. For example, for device with facial recognition features, biometrics data is stored in your device with encryption method; for fingerprint device, only fingerprint template will be saved, which is impossible to reconstruct a fingerprint image. As data controller, you are advised to collect, store, process and transfer data in accordance with the applicable data protection laws and regulations, including without limitation, conducting security controls to safeguard personal data, such as implementing reasonable administrative and physical security controls, conduct periodic reviews and assessments of the effectiveness of your security controls.

3 Wiring



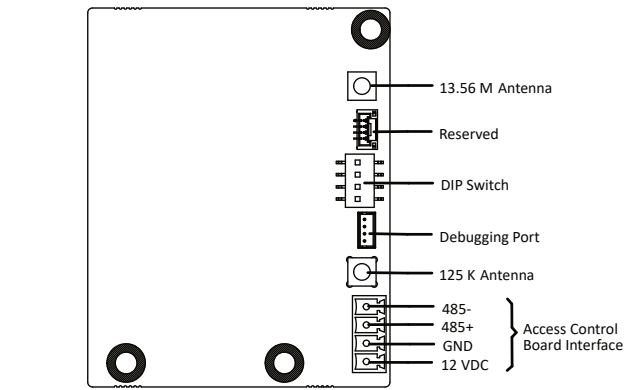
- SOC and MCU serial port are for debugging and maintenance use only.
- Hold the reset button for 5 s, the device will beep for 3 s and start restoring to factory settings.
- RS-485A corresponds to port 5 on web and is for QR code scanner connection by default; RS-485C corresponds to port 7 on web and is for card reader connection by default.
- The DIP switch is for study mode settings and keyfob pairing. Refer to the user manual for details.

4 Wiring Diagram

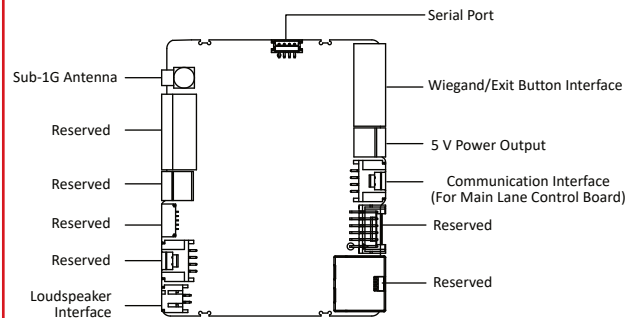


- The power cable from power supply to the main lane control board has been connected. You will need to prepare the 14AWG power cable to connect the AC power input to power supply.
- The supplied 2 interconnecting cables need connecting on-site: 1. 24 V power cable of 14 AWG. The cable is 2.5 m in length and put inside the right/middle pedestal at the exit. 2. UTP-5e Communication cable. The cable is 3 m in length and put inside the package of the right/middle pedestal.
- The ① and ② or ③ and ④ refer to the two sides of a same board.
- Barrier opens at the entrance/exit: connect to BTN1/BTN2 and GND.

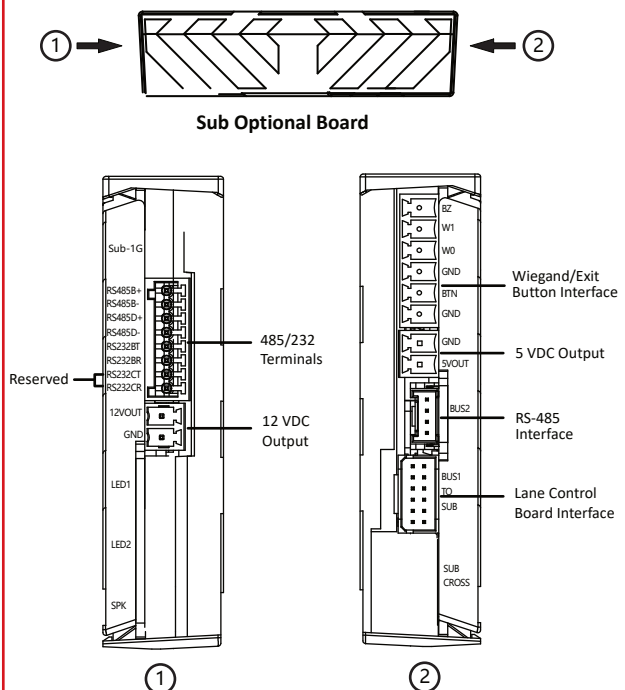
Scan the QR code to view the wiring guide video.



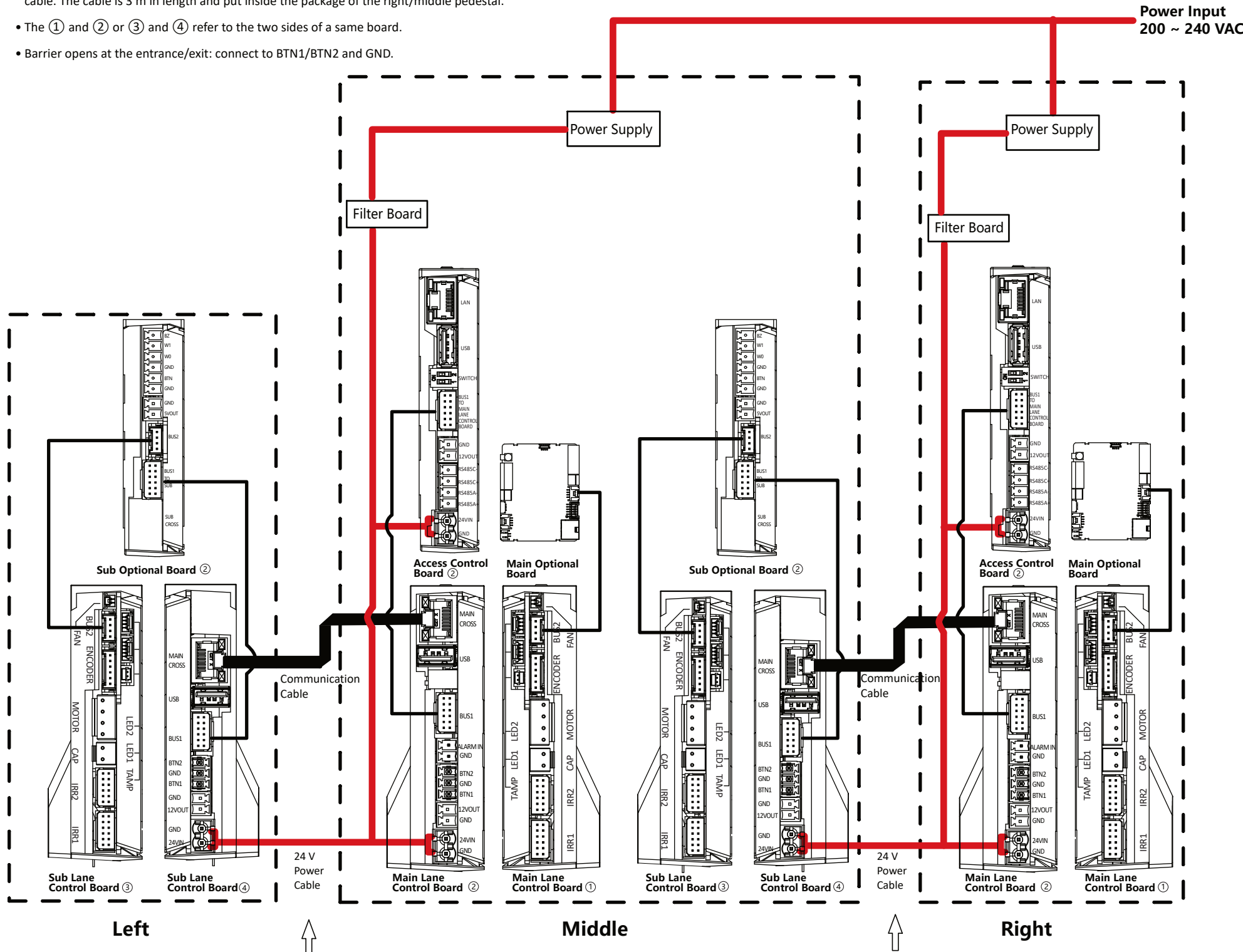
Card Reader Board



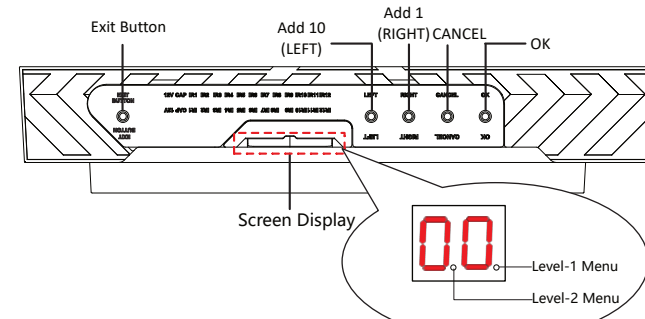
Main Optional Board (Optional)



RS-485B corresponds to port 6 on web and is for QR code scanner connection by default; RS-232B corresponds to port 2 on web and is for fingerprint reader connection by default.



5 Button Description



Exit Button

Single press to open from the entrance position.
Double press to open from the exit position.

Parameter Configuration Button

Configuration data: Configuration data is displayed by two digital tubes

LEFT: Press this button to add ten to configuration data

RIGHT: Press this button to add one configuration data

CANCEL: Return to the level-1 menu, or exit the configuration from the level-1 menu.

OK: Confirm the data, or enter configuration mode, or enter the submenu.

Level-1 Menu: If the decimal point on the right is on, it indicates the level-1 menu. The number represents the configuration item number.

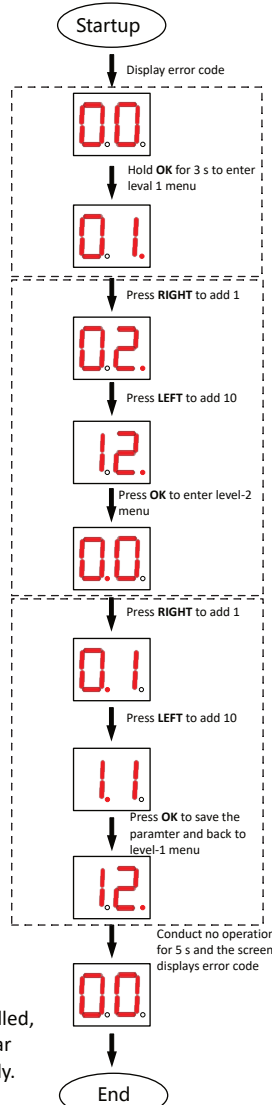
Level-2 Menu: If the decimal point in the middle is on, it indicates the level-2 menu. The number represents the parameters of a configuration item.

5 Button Description

Enter the configuration mode. The number of 1 will show up on the right side of the screen and the device is ready for configuration.

Press LEFT and RIGHT to set the configuration No. Press OK to enter the level-2 menu and view the parameters. Press CANCEL, or conduct no operation for 5 s to cancel configuration.

Press LEFT and RIGHT to set the parameters at your needs. Press OK to save the change or press CANCEL back to configuration No. setting without saving changes. Conduct no operations for 5 s to cancel configuration.



- If the optional board is not installed, the error code of "49" will appear but the device functions normally.
- Refer to the user manual for button description details.

Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the RE Directive 2014/53/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

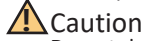


2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

Safety Instructions



- Warning**
 - In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
 - Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
 - If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
 - The socket-outlet shall be installed near the equipment and shall be easily accessible.
 - 1. Do not ingest battery. Chemical burn hazard!
 - 2. This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
 - 3. Keep new and used batteries away from children.
 - 4. If the battery compartment does not close securely, stop using the product and keep it away from children.
 - 5. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
 - 6. CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
 - 7. Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
 - 8. Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
 - 9. Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
 - 10. Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
 - 11. Dispose of used batteries according to the instructions



- Caution**
 - Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetic radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
 - Do not place the device in extremely hot (refer to the specification of the device for the detailed operating temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
 - Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger). The device cover for indoor use shall be kept from rain and moisture.
 - Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
 - Please use a soft and dry cloth when clean inside and outside surfaces of the device cover, do not use alkaline detergents.
 - Biometric recognition products are not 100% applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.
 - The serial port of the equipment is used for debugging only.
 - Wall Mounting: Install the equipment according to the instructions in this manual. To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.
 - Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
 - This bracket is intended for use only with equipped devices. Use with other equipment may result in instability causing injury.
 - This equipment is for use only with equipped bracket. Use with other (carts, stands, or carriers) may result in instability causing injury.