INTRODUCTION
QR110 is a QR code scanner that works as a slave terminal for door access control system, where it captures the QR Code, converts it into a numeric code and sends this information to the master terminal for verification. QR110 communicates with the master terminal via Wiegand 26-bit output and requires the master terminal to have a Wiegand 26-bit input as well in order to be able to accept signals from QR110.

LED Light Indicator
1. First LED
   - Green light indicates that the device is on standby.
2. Second LED
   - Green light indicates that the card information is being read and sent to the master terminal for verification.
3. Third LED
   - Red light indicates that the device is connecting to the master device. The light indicator will then change to green color if the connection is successful.

Specs Table
- Model: QR110
- Dimension (L x W x H), mm: 86 x 40 x 86
- Credentials: QR Code, RFID EM Card 125KHz, MiFare Card 13.56MHz (Made to order)
- Output Format: Wiegand 26/34
- Communication Distance: Wiegand <100m, RS485 < 1200m
- Working Voltage: DC 9 ~ 16V
- Working Current: < 100mA
- Working Environment: Temperature (°C): -10 ~ 70, Humidity (%): 10 ~ 70 (Indoor use)
- Sensing Distance: QR Code (cm): 3~10, Cards (cm): 2~3
- Reading Speed: < 0.2 seconds
- Reading Interval: <0.5 seconds
- Support: Q2i, R2, R3, Face ID 3, Kadex, m-Kadex, Ingressus I/II/IV

NOTE: Specifications are subject to change. Check http://product.fingertec.com for latest product information.

Connections & Wiring Diagram
- BEEP 485B
- GLED 485A
- RLED GND
- INWD0 223T
- INWD1 223R
- COM2 NO2
- NO1
- BUT
- GND
- W1 +12V
- W2
- W3
- W4
- NC2
- NC1
- COM1
- RS485-1
- RS485-2
- RS485-3
- RS485-4
- DC12V 3A Power Supply

QR Code and Card Reader for Access Control

Card Scanning Area
Scan a card at this area for verification. Default card type: RFID Card, 125KHz 40 to 80mm. Made to order: MiFare, 13.56MHz 30 to 50mm.

QR code scanner
Scan the QR code at this area for verification.
# Installation

QR110 is powered by the master terminal, thus no extra power supply is required. **Note:** Install the device indoor or in shaded/covered area for better performance. Avoid placing the device in direct sunlight or in heat/humid places, as it will affect the device’s performance significantly.

1. **Separate the QR110 front panel from its body.**
2. **Install the electrical protective case on the wall.**
3. **Install QR110 body to the electrical protective case.** Please ensure that you have already connected all wires correctly before you tighten up all of the screws.
4. **Place QR110 front panel onto the body.**

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# Verification

QR110 reads the ID from the QR code or card and sends the information to the master terminal for verification. QR110 is a slave unit and it does not store any information. Therefore, card registration must be done at the master terminal only.

1. Make sure the device is on standby mode and ensure that you have created/enrolled the QR code/card at the master terminal prior to usage.
2. **Present your QR code to the camera area for verification. If you are using card, wave the card at the card scanning area. Note that the LED light indicator will turn to green if the verification is successful.**

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# Verification • Master terminal indication

- Verify CARD: 0003837885
- USER ID: 00001
- VERIFIED
- Verify PIN Card
- No enroll

1. Once the master terminal verifies the QR code/card, the prompt “Verify” will be displayed.
2. If the QR code/card has not been enrolled or if there is something wrong with the QR code/card, the master terminal will prompt an “oo...oo...” sound indicating verification failure.