TIMEWATCH®
Presence perfect

Standalone QR Code Access Controller

QR-10E

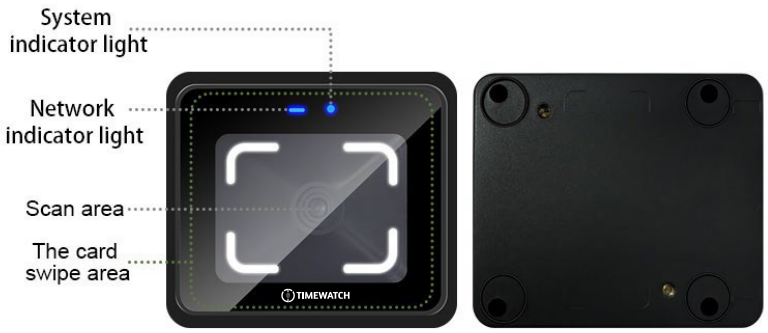
QR-10E QR Code Access Controller, the panel is made of up to 9H tempered glass, with high scratch resistance, waterproof and dustproof, wide scanning field of view, fast speed, high recognition rate and strong compatibility; it can be connected to support Ethernet and WIFI, supports HTTP/HTTPS, MQTT network protocols. QR-10E support online and offline verification, worked perfectly in turnstile, access control without controller.

QR-10E can recognize Bar codes, QR codes, RFID card. Also support scan QR codes on various media such as mobile phone QR codes, paper QR codes, and metal QR codes.

- Use high-performance CPU to run Linux system
- Built-in watchdog reset
- Lightning-Fast QR Decoding the codes in 10ms
- Decodes seamlessly in bright sunlight
- Versatile installations, both standalone desktop and embedded in the turnstile, elevator
- Network work with Ethernet or WIFI, Support TCP/IP Communication
- Support http, https, MQTT protocols
- Built-in one relay output
- Built-in one exit button

- Supports reading RFID cards
- The identification method defaults to swiping card and scanning QR code
- Support Wiegand output(Optional 485 or 232communication interface)

Using Instruction



System indicator light: circular light, used to indicate standby status, swipe card status. Standby is blue, verification is green, illegal is red, transiting data via network is yellow.

Network indicator light: long strip light, below named network light. used to indicate the network status.

Ethernet: No wire No light; if insert the ethernet cable, blue light flashing, indicate connecting failed. Solid blue indicates to connect server success.

Wi-Fi: When not connect WIFI router, the red-light flash one time slowly; connect to WiFi Router, but not connect to server, the purple light flash two times fastly;
Connect to server successfully, WIFI signal indicate, 3,4 bars screen green light, 2 bar screen purple light, 1 or 0 bars screen red light.

QR code scan area: Place the QR code close to the scanning area (align the QR code with the camera) at a distance of 5~20CM (adjust the distance according to the size of the QR code).

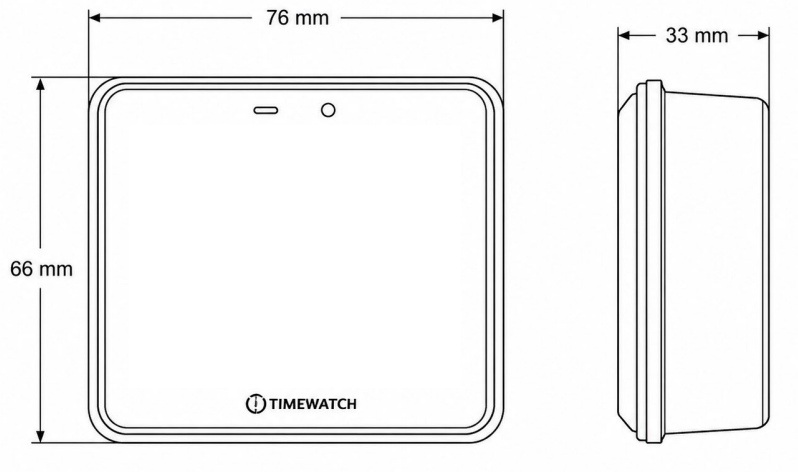
The card swipe area : Place the proximity card close to the card swiping area. The distance is about 8CM.

Technical Specification

Basic	
Identification Method	QR code /IC card/EM card
Output Method	Relay signal
Main chip	800MHz
Operation System	Embedded Linux
Storage	1,00,000
Storage Memory	128M Flash
Input & Output	Two inputs
Dimension	76*66*33 mm
Qr Code Parameters	
Reading QR Code Types	QR Code
Reading 1D Code Types	Code 39, Code 128
Reading Accuracy	≥7mil
Recognition Speed	<10ms
Reading Angle	Angle of rotation 360°, angle of elevation ± 55°, Angle of declination ± 55°
Scan Angle	72° (level, 54° (vertical) 84°Diagonal)
Recognition Distance	5-20cm
QR Code Support Range	1024 characters
Proximity Card	
Supported Card Reading Types	Support ISO1443A/ISO1443B protocol card
Working Frequency	13.56MHz
RFID Card	Support RFID card reading sector
Card Reading Distance	<8CM
Electric	
Operating Voltage	DC 6V~25V
Working Current	180mA (12V power supply)
Stand-by Current	120mA (12V power supply)
Relay Load Capacity	1A

Environment	
Operating Temperature	-20˚C to 60˚C
Storage Temperature	-40˚C to 80˚C
Relative Humidity	95% (Does not condense)

Dimension Drawing



Application

Turnstile Mount | Stadium | Visitor Management | Education | Office | Government | Health | Bank | Retail