X8

Facial Recognition multi-technologies reader embedded Bluetooth, QR code and different kinds of contactless smart card technologies, it becomes a perfect design for true-contactless and high accuracy contactless smart card, mobile device cross-platform application.
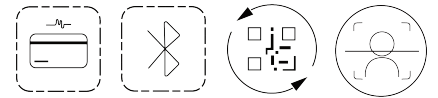
X8 Facial Recognition reader has live face detection, fast response time less than 1 second for 5,000 user.

X8 reader is suitable for indoor installation environment, it made by high quality material to ensure enhanced reliability and long-term duration.

Reader has wiegand and scramble encryption output which suitable for different security level applications.

Embedded Bluetooth technology can read the encrypted virtual credential number from Android phone and iPhone.

QR Code scanner can read the scramble QR code as a virtual credential number from Android phone and iPhone.

FEATURES

- Face liveness detection, less than for 1 second (1:N) for 1000 users
- QR Code scanner with backlight, 4cm to 22cm read range
- The reader can read the scramble QR code by ACX mobile APPS for access control system
- The reader can read the fixed QR code image by mobile or label for visitor managment system
- 2.4GHz Bluetooth 4.0+ works with ACX mobile apps
- 13.56Mhz Card technology includes LEGIC Prime and Advant, CSN for Mifare Classic, Mifare Plus, Mifare DESFire , SONY Felica and PicoPass
- RED / Green / Blue or mixed color reader LED for visual notification, reader buzzer for audio notification
- User defined reader's visual and audio notification for access granted and access denied
- Optical sensor for tamper protection, I am alive feature
- Reader outputs Wiegand and ACX proprietary scramble encryption RS485 format
- Reader LAN cable for clock synchromous and for visitor management system (API provided)
- Waterproof IP55

CARD TECHNOLOGY

Card Technology	Card Number Output	Item No. (RF / RF+BLE)
HID iCLASS	1 ~ 64 bits CSN ; HID card number	X811 / X8T1
HID 125 KHz	HID card number	X812 / X8T2
EM	1 ~ 40 bits CSN	X813 / X8T3
Mifare Classic 1K / 4K	1 ~ 56 bits CSN ; Custom data models	X814 / X8T4
SONY Felica CSN	1 ~ 64 bits CSN	X815 / X8T5
Miface Plus S / X	1 ~ 56 bits ; Custom data models	X816 / X8T6
Mifare DESFire EV1 / EV2	1 ~ 56 bits ; Custom data models	X817 / X8T7
LEGIC Prime / Advant	1 ~ 64 bits ; Custom data models	X818 / X8T8

SPECIFICATION

X8 Facial Recognition Bluetooth QR Code Card Multi-Tech Reader	
Face Recognition Algorithm	HighSign
Face Recognition Controller	Works with ACX 8800 Facial recognition controller or ACX 8808 single door facial recognition controller
Face Detection	Live face detection speed time, 1:5000 less than 1 second
Bluetooth	2.4 GHz Bluetooth 4.0
Reader Output	ACX Propriatery scramble RS485 output, max. 64 bits card number output
QR Code Min. Resolution	5 mil, 1 mil = 0.0254mm
QR Code Resolution	640 x 480
QR Code Scanning Angle	± 60° for left & right, ± 40° for front and back, 360° rotation
QR Code Scanning Range	4cm to 22cm
Typical Read Range	Bluetooth Technology : 0.5m to 10m, 13.56 MHz ISO card : 3cm to 8cm, 125 KHz ISO card : 6cm~10cm Typical read range achieved in air; different types of metal will cause some degradation Use spacers to space product off metal and improve read range if required.
I Am Alive	User define 1 bytes "I am alive" data in a certain interval
Reader Cable	Pigtall 10 wires
Mounting	Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing
Visual Indicator	LED line in RED / Green / Blue / Amber / Purple / White / Light Purple color, user defined LED ON / OFF time interval
Audio Indicator	Internal buzzer, user defined beep sound ON / OFF time interval (ms)
Color	Black or White
Dimension	80mm x 130mm x 20mm
Product Weight	200g
Operating Voltage	9-16 VDC, Linear supply recommended
Operating Current	700mA AVG, 800mA PEAK
Operating Temperature	- 31º to 150º F (-35º to 65º C)
Storage Temperature	- 67º to 185º F (-55º to 85º C)
Operating Humidity	5% to 95% relative humidity non-condensing
Housing Material	Polycarbonate
Cable Distance	RS485 interface : 4000 feet (1200m), Wiegand interface : 500 feet (150m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent