

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 which is suitable for indoor installation environment. It is 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.



KEY 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 management 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 synchronous and for visitor management system (API provided)

Specification

X8 Facial Recognition Bluetooth QR Code card multi-technologies 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	2.4GHz Bluetooth 4.0			
Card Technology	HID iCLASS	HID 125KHz	EM	Mifare Classic 1K/4K
Card number output	1 ~ 64 bits CSN ; HID card number	HID card number	1 ~ 40 bits CSN	1 ~ 56 bits CSN ; Custom data models
Item No. (RF / RF+BLE)	X811 / X8T1	X812 / X8T2	X813 / X8T3	X814 / X8T4
Card Technology	SONY Felica CSN	Mifare Plus S/X	Mifare DESFire EV1/EV2	LEGIC Prime / Advant
Card number output	1 ~ 64 bits CSN	1 ~ 56 bits ; Custom data models	1 ~ 56 bits ; Custom data models	1 ~ 64 bits CSN ; Custom data models
Item No. (RF / RF+BLE)	X815 / X8T5	X816 / X8T6	X817 / X8T7	X818 / X8TB
Card Technology	13.56MHz Custom data model - LEGIC Prime and Advant, Mifare Classic, Mifare Plus, Mifare DESFire EV1 / EV2 13.56Mhz CSN of Mifare Classic, Mifare Plus, Mifare DESFire EV1 / EV2, SONY Felica & PicoPass			
Reader output	ACX Proprietary 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, 13.56MHz ISO card : 3cm to 8cm, 125KHz 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	Pigtail 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 bar 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	80 mm x 130 mm x 20 mm			
Product weight	200g			
Operating Voltage	9-16 VDC, Linear supply recommended			
Operating Current	700mA AVG, 800mA PEAK			
Operating Temperature	- 31° to 150° F (-35° to 65° C)			
Storage Temperature	-67° to 185° F (-55° to 85° C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Housing Material	Polycarbonate			
Cable Distance	RS485 interface: 4000 feet (1200 m), Wiegand interface : 500 feet (150m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent			