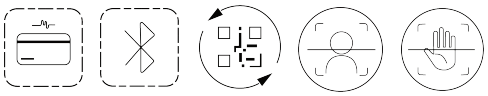
ACX | DESIGN INNOVATIONS

X9

Multi-technology readers embedded Palm Vein, QR Code, Facial Recognition, Bluetooth and various kinds of contactless smart card technologies. It becomes a perfect design for true-contactless and high accuracy and smart card, mobile device cross platform application.



X9 reader is suitable for indoor installation environment, it is made by high quality material to ensure enhanced reliability and long-term duration.

X9 Facial Recognition has live face detection, fast response time less than 1 second for 5,000 user.

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

- 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 colour reader LED for visual notification, reader buzzer for audio notification
- User defined reader's visual and audio notification for access granted and access denied
- I am alive feature
- Reader outputs Wiegand and ACX proprietary scramble Wiegand, OSDP and ACX encryption RS485 format
- Reader LAN cable for clock synchromous and for visitor management system (API provided)

CARD TECHNOLOGY

Card Technology	Card Number Output	Item No.
HID iCLASS	1 ~ 64 bits CSN ; HID card number	X9T1
HIP 125 KHz	HID card number	X9T2
EM	1 ~ 40 bits CSN	X9T3
Mifare Classic 1K / 4K	1 ~ 56 bits CSN ; Custom data models	X9T4
SONY Felica CSN	1 ~ 64 bits CSN	X9T5
Miface Plus S / X	1 ~ 56 bits ; Custom data models	X9T6
Mifare DESFire EV1 / EV2	1 ~ 56 bits ; Custom data models	X9T7
LEGIC Prime / Advant	1 ~ 64 bits ; Custom data models	X9T8

SPECIFICATION

X9 Facial Recognition Palm Vein Bluetooth QR Code Contactless Smart Card Milti-Technology Reader	
Palm Vein Sensor	Fujitsu Palmsecure-F Pro, 133 format
FAR / FRR	FAR : 0.00001%, FRR : 1% (no retry)
Palm Vein Controller	Works with ACX Palm Vein Controller
Face Recognition Algorithm	SenseTime
Face Recognition Controller	Works with ACX 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 Proprietary scramble RS485 output, Wiegand and OSDP output. Max. 64 bits card number output
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~8cm, 125 KHz ISO card : 6cm~10cm
I Am Alive	User define 1 byte "I am alive" data in a certain interval
Reader Cable	2 x CAT 6 cable and R5485 twist pair shield cable
Mounting	Flush mounted
Visual Indicator	LED line in Red / Green / Blue / Amber / Purple / White / Light Purple colour, user defined LED ON / OFF time interval
Audio Indicator	Internal buzzer, user defined beep sound ON / OFF time interval (ms)
Colour	Black color or custom-made color
Dimension	180mm x 90mm Flush Mount, reader total thickness 25mm
Product Weight	500g
Operating Voltage	9 - 16V DC, Linear supply recommended
Operating Current	1A 12V DC
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-considering
Housing Material	Polycarbonate
Cable Distance	RS485 interface : 4000 feet (1200m), Wiegand interface (150m)