

Turnstile & Lift Destination Control System
The Professional Entry Touchless Solution



Facial



Palm Vein



Access Card



QR Code

Highlights

- ACX Turnstile Reader provides an open platform for the 3rd party integration of lift destination control and ACX visitor management system
- Support human biometrics technology including facial and palm vein recognition, mobile scramble QR code, contactless smart card 125KHz 13.56MHz RF and NFC technology
- Once the reader detects user identity, the LCD can display lift ID and user access status instantly
- Capable of embedding a Thermal Sensor in the turnstile to measure body temperature



13.56MHz



Scramble
QR Code



Facial
Recognition



Palm Vein



NFC



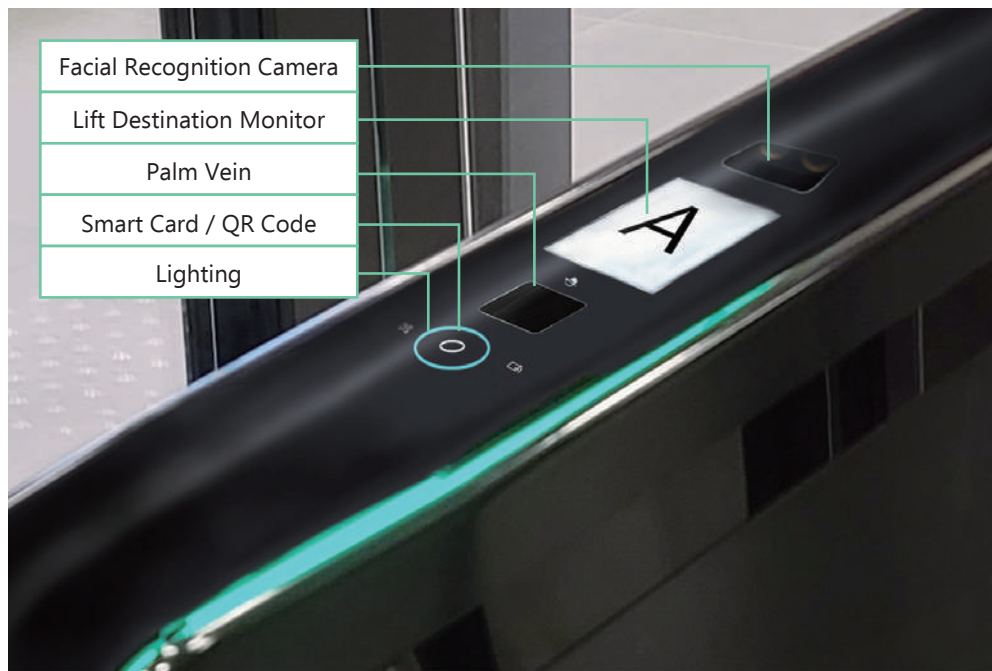
Octopus

Features

- Human Biometric
 - Face Recognition Technology by SenseTime, single / dual camera
 - Palm Vein Technology by Fujitsu PalmSecure-F Pro
- Mobile Virtual Card
 - QR Code scanner, 4cm to 22cm read range
 - ACX mobile virtual card APPS, Scramble QR code per second
 - ACX fixed QR code for visitor label
- RF Technology
 - Max. 3 technology included at the same time
 - 13.56Mhz Card technology includes NXP, LEGIC, HID iCLASS, HK Octopus
 - 13.56MHz NFC for Android and iOS mobile phone
 - 125Kz Card technology includes EM & HID
- RED / Green / Blue or mixed color reader LED for visual notification, reader buzzer for audio notification
- Reader outputs Wiegand and ACX proprietary random encryption RS485 format
- Works with ACX Controller

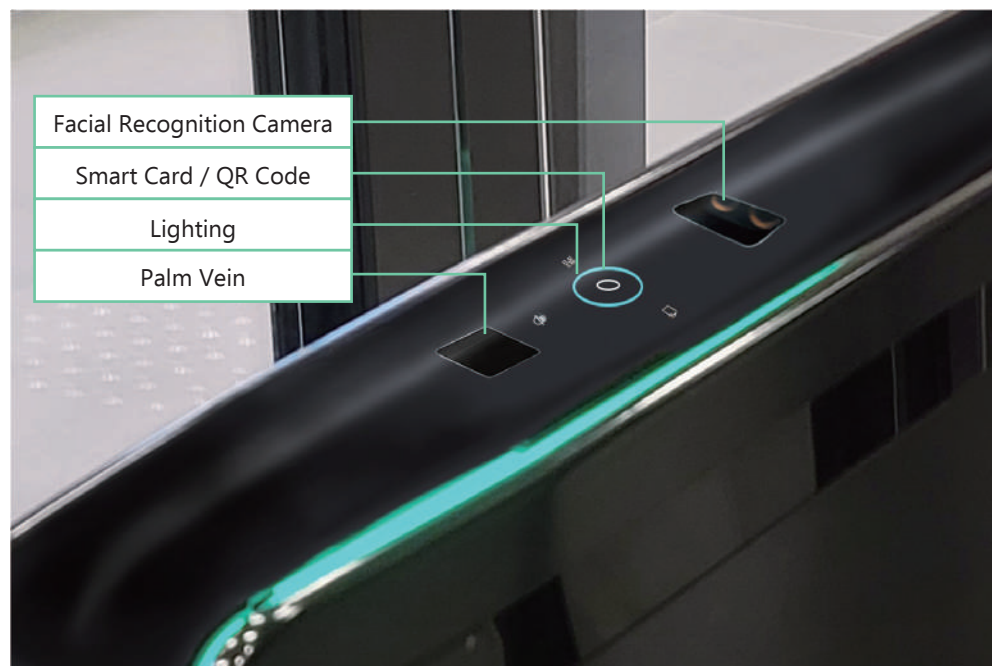
NX1 Reader

Support Smart Card, QR code, Facial & Palm Recognition, and showing lift ID



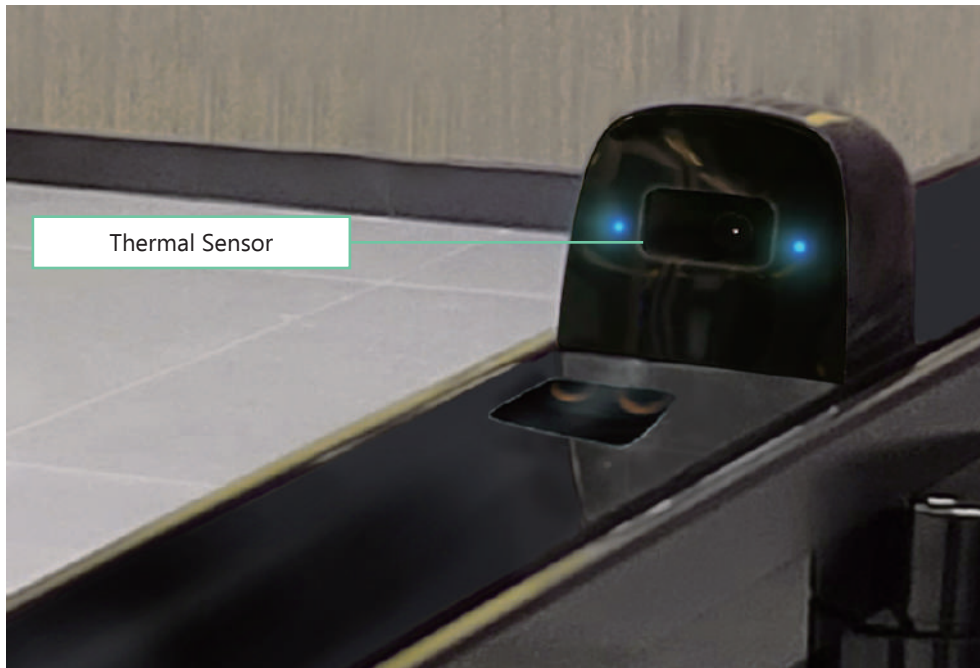
NX2 Reader

Support Smart Card, QR code, Facial & Palm Recognition

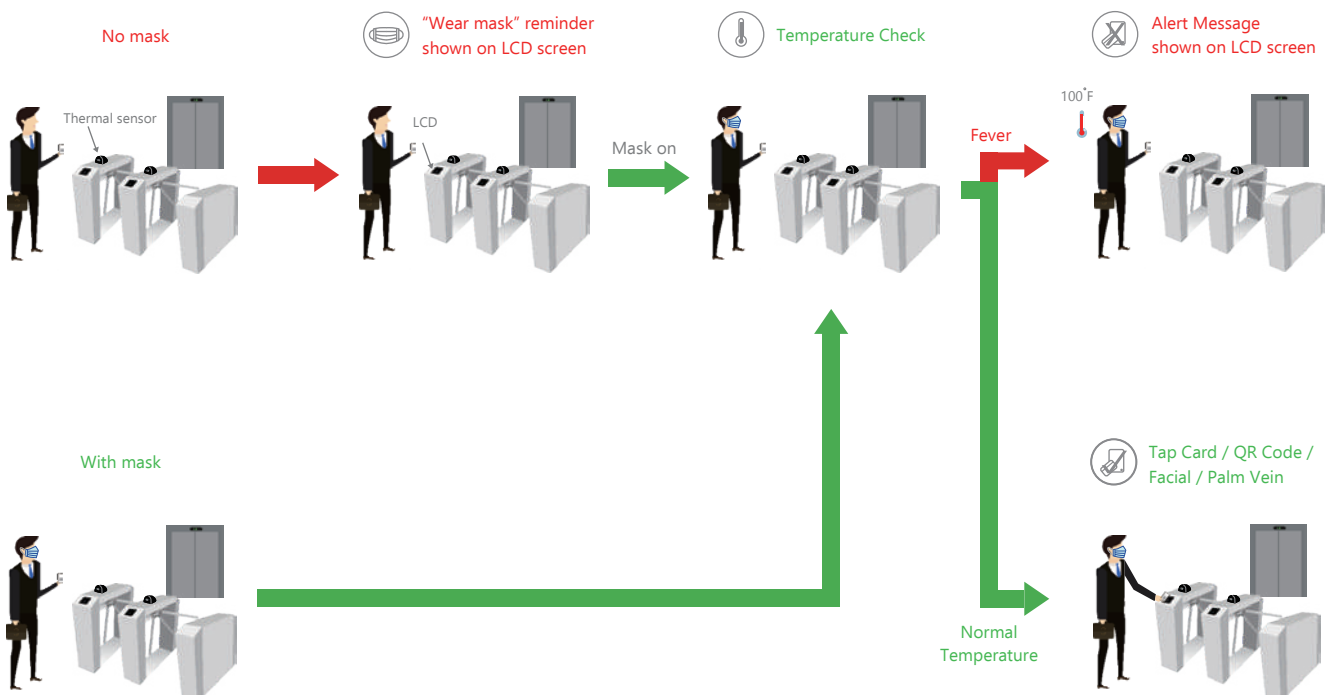


COVID -19 Solution

Embedding thermal sensor to check body temperature



Operation flow



Reader Specification

Facial Recognition	SenseTime (Single / Dual Camera)
Palm Vein Technology	Fujitsu PalmSecure-F Pro
Card Technology	<ul style="list-style-type: none">- 125KHz: EM, HID- 13.56MHz NFC for Android and iOS mobile phone- 13.56MHz : MIFARE, LEGIC, HID iCLASS, HK Octopus
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
RF Technology	13.56MHz
Typical Read Range	<ul style="list-style-type: none">- Facial Recognition : 1 to 1.5 meters, Palm Vein : 30mm to 70mm on top of the sensor, QR: 4cm to 22cm- 125KHz ISO card : 5cm+, 13.56MHz ISO card : 4cm+- 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.
Visual Indicator	Ready mode : Blue, Access granted : Green, Access denied : Red
Audio Indicator	Internal buzzer, user defined beep sound ON / OFF time interval (ms)
Dimension	210mm x 78mm x 40mm
Weight	800g
Operating Voltage	9 - 16 VDC, Linear supply recommended
Operating Current	700mA AVG, 1000mA PEAK
Operating Temperature	- 13° to 131° F (-25° to 55° C)
Storage Temperature	-67° to 158° F (-55° to 70° C)
Operating Humidity	5% to 90% relative humidity non-condensing
Housing Material	Surface : Glass
Controller	12VDC,2A Input, 1 x 8 PIN port , 1 x HDMI Port, 2 x LAN

ACX

www.acxhk.com