

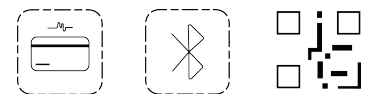
K6

QR Code reader embedded Bluetooth 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.

K6 reader is water proof design that suitable for different indoor and outdoor 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.



FEATURES

- Optical sensor for tamper protection, I am alive feature
- Supports 125KHz, 13.56MHz ISO 14443 A, B & ISO15693, Bluetooth 4.0 and QR Code
- RED / Green / Blue or mixed color LED Circle Ring for visual notification
- User defined reader's access granted and access denied LED & Buzzer ON / OFF times and interval
- Wiegand and ACX proprietary scramble encryption RS485 format
- Waterproof IP65

CARD TECHNOLOGY

Card Technology	Card Number Output	Item No. (RF / RF+BLE)
HID iCLASS	1 ~ 64 bits CSN ; HID card number	K611 / K6T1
HID 125 KHz	HID card number	K612 / K6T2
EM	1 ~ 40 bits CSN	K613 / K6T3
Mifare Classic 1K / 4K	1 ~ 56 bits CSN ; Custom data models	K614 / K6T4
SONY Felica CSN	1 ~ 64 bits CSN	K615 / K6T5
Mifare Plus S / X	1 ~ 56 bits ; Custom data models	K616 / K6T6
Mifare DESFire EV1 / EV2	1 ~ 56 bits ; Custom data models	K617 / K6T7
LEGIC Prime / Advant	1 ~ 64 bits CSN ; Custom data models	K618 / K6T8

SPECIFICATION

K6 QR Code Multi-Tech Technologies Reader	
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 20cm
Bluetooth	Bluetooth 4.0+, 2.4 GHz
Key Authentication	Custom 128 bits diversify key for custom data model on Mifare Classic, Mifare Plus, Mifare DESFire, LEGIC
Card Data Security	Max. 64 bits card number mixed with original CSN, custom AES 128 bits key data encryption, CRC16 Apply for custom data models
Reader Output	Wiegand, Clock and Data, OSDP in RS485, ACX Scramble in RS485
Typical Read Range	QR Code : 3cm to 10cm, 125KHz : 5cm+, 13.56MHz : 4cm+, Bluetooth Technology : 0.5m to 10m 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	CAT 5 and Pigtail 10 wires Power, Ground, Wiegand D0 / Magnetic Card Format Data, Wiegand D1 / Magnetic Card Format Clock, Magnetic Card Format Card present, RS485(A), RS485(B), Green LED / Permission approval, buzzer, hold, signal mask line
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 circle ring 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 115mm x 20mm
Product Weight	130g
Operating Voltage	9-16 VDC, Linear supply recommended
Operating Current	120mA AVG, 150mA PEAK
Operating Temperature	- 13° to 131° F (-25° to 55° C)
Storage Temperature	- 67° to 185° F (-55° to 85° C)
Operating Humidity	5% to 95% relative humidity non-condensing
Housing Material	Polycarbonate

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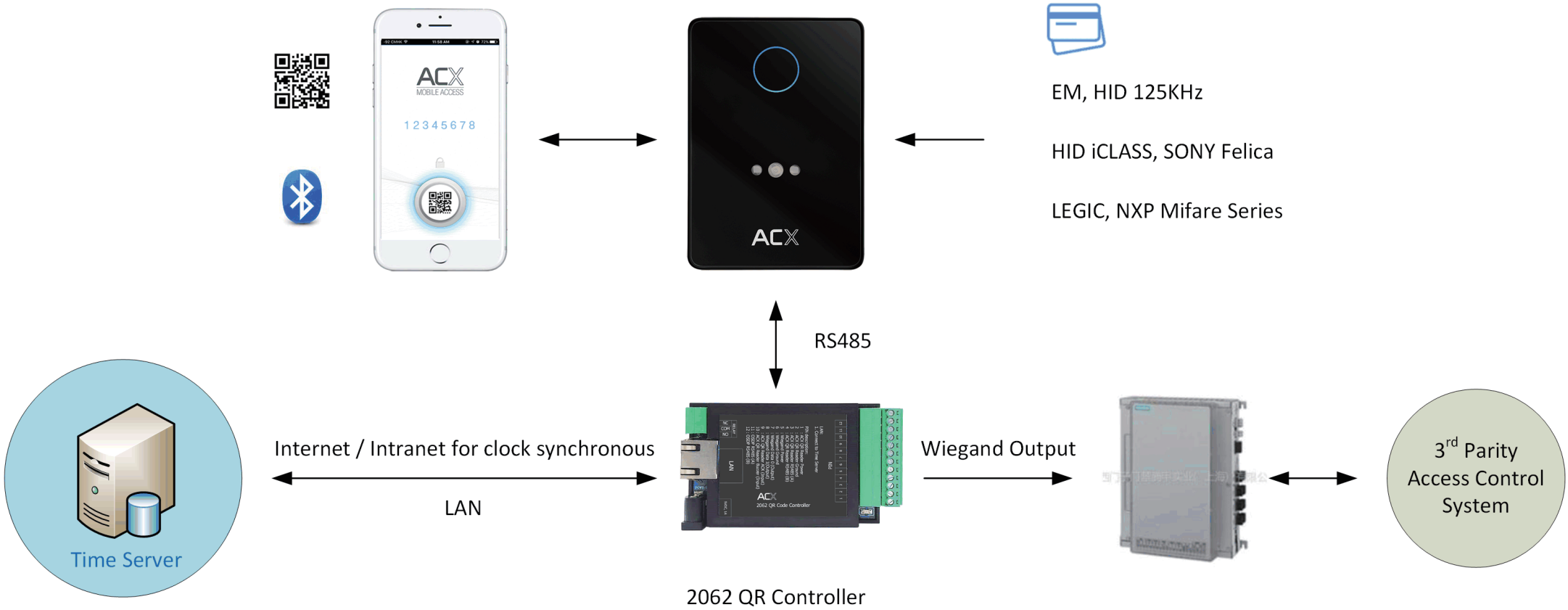
K6 QR Code Multi-Tech Technologies Reader

Cable Distance	Wiegand interface: 500 feet (150 m), RS485 interface: 4000 feet (1200 m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent
Reader Installation Height	It is recommended that the center of the card reader be 1.35 meters above the ground

ACX K6 QR multi-technologies reader works with 3rd party wiegand controller



Scramble in every second, for staff



ACX K6 QR multi-technologies reader works with ACX controller

