

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.



KEY FEATURES

- Waterproof IP65
- 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

Specification

K6 QR Code multi-technologies Reader				
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)	K611 / K6T1	K612 / K6T2	K613 / K6T3	K614 / K6T4
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)	K615 / K6T5	K616 / K6T6	K617 / K6T7	K618 / K6T8
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+, 2.4GHz			
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 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 color, user defined mixed color and ON / OFF time interval (ms)			
Audio indicator	Internal buzzer, user defined beep sound ON / OFF time interval (ms)			
Color	Black or White			
Dimension	80 mm x 115 mm x 20 mm			
Product weight	130g			
Operating Voltage	9-16 VDC, Linear supply recommended			
Operating Current	120mA AVG, 150mA 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	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 Code Reader Schematic Diagram

