

K1 Dual Technology Contactless Smart Card Reader is an user friendly and high security physical Access Control reader, it 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 high security data encryption output which works with ACX 2080 Gateway or ACX Data Exchanger ensure the data cannot be snooped by external device, totally solve the wiegand signal transmission problem.

Embedded bluetooth technology can read the encrypted virtual credential number from Android phone and iPhone.



KEY FEATURES

- Waterproof IP67, Optical Tamper
- Bluetooth and Contactless Dual Technology Reader
- Optical sensor for tamper protection, I am alive feature
- Supports 125KHz, 13.56MHz ISO 14443 A, B & ISO15693, Bluetooth 4.0
- 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, OSDP standard, OSDP secure and the ACX proprietary scramble encryption format

Specification

K1 Bluetooth and Contactless Smart Card Reader				
Card Technology	HID iCLASS	HID 125KHz	EM	Mifare Classic
Card number output	32 ~ 64 bits CSN	HID card number	32 bits CSN	32 ~ 56 bits CSN / Sector
Item No. (RF / RF+BLE)	K111 / K1T1	K112 / K1T2	K113 / K1T3	K114 / K1T4
Card Technology	SONY Felica CSN	Mifare Plus S/X	Mifare DESFire EV1	LEGIC Advant
Card number output	32 ~ 64 bits CSN	32 ~ 56 bits CSN / Sector	32 ~ 56 bits CSN / File	32 ~ 64 bits CSN / Sector
Item No. (RF / RF+BLE)	K115 / K1T5	K116 / K1T6	K117 / K1T7	K118 / K1T8
Key Authentication	Custom 128 bits diversify key			
Card Data Security	Max. 64 bits card number mixed with original CSN, custom AES 128 bits key data encryption, CRC16			
Reader output	Wiegand, OSDP standard, OSDP secure and the ACX proprietary scramble encryption format			
Typical Read Range	125KHz : 5cm+, 13.56MHz : 4cm+, Bluetooth Technology : 2m 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	10 wires. Power, Ground, D0, D1, ACK, Buzzer, hold, RS485(A), RS485(B), spare			
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	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	80 mm x 115 mm x 16 mm			
Product weight	120g			
Operating Voltage	9-16 VDC, Linear supply recommended			
Operating Current	100mA AVG, 120mA 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) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent			