

S2 Contactless Smart Card Keypad Reader is a water proof design that suitable for different indoor and outdoor installation environment, and made of high quality material to ensure enhanced reliability and long-term duration. Wall Switch Size ; designed to mount on Asian electrical (BS1299) junction box.



FEATURES

- Waterproof IP67 Contactless Technology Keypad Reader
- 28 applications, one application can create 32 files
- Max. file size is 2K bytes
- 16 sets key for file data read, write and change key
- RED / Green / Blue or mixed color LED bar, user defined LED ON / OFF time interval, LCD contrast adjustable
- Internal buzzer, user defined buzzer ON / OFF time interval
- Multi card format checking internally, fixed length card number output
- User define wiegand pulse interval to serve different door access panel
- Hardware tamper : infra-red optical sensor
- Software tamper : "I am alive" feature by wiegand output
- Standard mode : wiegand output to wiegand door access panel, RS485 to host for reader configuration
- Secure mode : high security data encryption output, work with ACX 2080 Gateway or direct connect to ACX panel for avoiding card data to be snooped

CARD TECHNOLOGY

Card Technology	Card Number Output	Item No. (RF / RF+BLE)
HID iCLASS	1 ~ 64 bits CSN	91HF08/ S211
HID 125 KHz	HID card number	91LF08/ S212
EM	32 bits CSN	91LF08/ S213
Mifare Classic	32 ~ 56 bits CSN / Sector	91HF08 / S214
SONY Felica CSN	32 ~ 64 bits CSN	91HF08 / S215
Mifare Plus S / X	32 ~ 56 bits CSN / Sector	91HF08 / S216
Mifare DESFire EV1	32 ~ 56 bits CSN / Sector	91HF08 / S217
LEGIC Advant	32 ~ 64 bits CSN / Sector	91HF08 / S218

SPECIFICATION

S2 Contactless Smart Card Keypad Reader	
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	ACX Proprietary scramble RS485 output and wiegand output
Typical Read Range	125 KHz : 5cm+, 13.56 MHz : 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 require
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	LED bar 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	85mm x 85mm x 20mm
Product Weight	150g
Operating Voltage	9-16 VDC, Linear supply recommended
Operating Current	70mA AVG, peak 100mA 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
Waterproof	IP67, IK06, CE 0700, NCC, RoHS
Panel Connection	Pigtail
Housing Material	Polycarbonate
Cable Distance	Wiegand interface : 500 feet (150m) ; RS485 interface: 4000 feet (1200m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent