

# AX-R86/RK86

## Smartcard Reader/Keypad




\*AX-R86



\*AX-RK86

RBH AX-R86, using NXP IC, is a reliable CSN 13.56 MHz line of readers from the RBH family. With thin housing, this reader can be mounted on the wall, or partially embedded to the wall, to give a flat elegant look. AX-R series of readers can be directly mounted on a single gang electrical back box of European standard. The reader housing/faceplate is coated with rubber oil which protects the cover from scratches and provides a comfortable touch. The LED indicator window is laser burned and, if required, can be customized during the process. The reader has ultimate read range, and has minimal loss of read range when mounted on a metal plate. The reader is protected from overload and reverse power connection.

RBH AX-RK86, CSN Reader with Keypad, is ideal for applications requiring an access credential and/or personal identification number (PIN), such as high security dual verification. All other features are similar to RBH AX-R86. The backlit keypad LED wakes up when any of the buttons are touched.

Specifications		
Reader	AX-R86	AX-RK86
Technology	Contactless Smartcard	
Frequency	13.56 MHz	
Mounting	Single-gang wall box, as well as flat surfaces	
Dimensions	3.38" x 3.74" x 0.83" (86 x 95 x 21 mm)	
Housing Material	ABS	
Weight	150 g + 10	
Voltage	DC 9~15 V	
Current Draw	80 mA @ 12 VDC	
Read Range	MIFARE 2.36" (6 cm) DESFire EV 1 1.57" (4 cm)	
Cabling	100m (22 AWG), multi-conductor stranded with an overall foil shield	
Reader Data Formats	WG 66 bit (Can be customized)	
Interface	Wiegand ISO 14443A (ISO 14443B, ISO 115693 Available)	
Operating Temperature	-31° F to +149° F (-35° C to + 65° C)	
Color Options	A black snap-on cover included standard	
Audio Tone	Built-in Piezo sounder	
Visual Annunciation	Bi-color LED, customized LOGO	
Warranty	Limited lifetime warranty	
Certifications		

### AX-R86 Features:

- Ability to be Mounted on a Metal Surface
- Rubber Oil Coated
- Supports ISO 14443A, MIFARE and Desfire EV1

### AX-RK86 Features:

- Ability to be Mounted on a Metal Surface
- Rubber Oil Coated
- Supports ISO 14443A, MIFARE and Desfire EV1
- Optional Vibration for Keypad Touch Notification
- Back-lit Keypad



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