

# RBH-AB-ISO-D-EV1 RBH-AB-KT-D-EV1 MIFARE DESFire Credentials



## MIFARE DESFire EV1 Technology

- Proven, Reliable Technology - MIFARE DESFire EV1 is based on open global standards for security, and is interoperable with existing MIFARE infrastructures.
- Fast Processing and Data Communication. Transaction times are less than 100 milliseconds for a typical secure ticketing transaction.
- Standards Compliant - MIFARE DESFire EV1 is fully compliant with the CR-80 & ISO 14443A 1-4 standards, and has been awarded CC EAL 4+ for card security
- SECTOR Pre-programmed with the RBH 66 bit secure card format



Use with the BlueLine Series of Readers

Specifications:	RBH-AB-ISO-D-EV1	RBH-AB-KT-D-EV1
Credential Type	ISO Card	Keyfob
Operating Frequency	13.56 MHz (MIFARE DESFire EV1)	
RF Interface	ISO 14443 A, Parts 1-4 (DESFire EV1)	
Typical Maximum Read Range	DESFire: Up to 4" (10 cm)	
Transaction Time	< 100 ms	
Baud Rate	Activation at 106 kbps; Data transfer up to 848 kbps	
Memory Type	EEPROM 2 & 4 Kbytes	EEPROM 256 Bytes, 2, & 4 Kbytes
Memory Structure	Up to 28 applications, with up to 32 files per application	
Operating Temperature	-40 to 122°F (-40 to 50°C)	-25 °C to 70 °C
Operating Humidity	5% - 95% Non-Condensing	
Write Endurance	100,000 cycles min.	
Data Retention	10 years min	
Materials and Finish	White PVC	Molded Polycarbonate - gray
Printing compatibility	Dye sublimation / resin thermal transfer	NA
Weight	0.20 oz (6.0 g)	-0.191 oz. (5.4 g)