
Alarm.com Smart Credentials - Data Sheet

Alarm.com Smart Credentials provide secure access control authentication, in addition to data storage for user privileges, or other custom applications. Each Smart Card and Smart Key Fob is equipped with an Alarm.com-specific encryption key which can only be read using Alarm.com readers, providing an additional layer of security. The Smart + Proximity Card allows businesses to continue supporting older credentials while transitioning to new smart credentials.

Alarm.com Smart Credentials

There are three model numbers for Alarm.com Smart Credentials:

- ADC-AC-CARD-50M4
- ADC-AC-CARD-50L4
- ADC-AC-FOB-60L8

Note: The ADC-AC-FOB-60L8 was previously known as the ADC-AC-FOB-60H8 and the ADC-AC-CARD-50L4 was previously known as the ADC-AC-CARD-50H4.



Features

- MIFARE® DESFire® EV3 smart credentials
- Additional Proximity support with Smart + Proximity Card
- LEAF credential support for secure interoperability

Specifications

Important: The ADC-AC-CARD-50L4 and ADC-AC-FOB-60L8 Smart Credentials must be used with Alarm.com branded readers. It is recommended to use the ADC-AC-CARD-50M4 Smart + Proximity Card if compatibility with third-party readers is needed. For more information, see [How do Alarm.com card and keyfob credentials work?](#).

Features	Smart Card	Smart + Proximity Card	Smart Key Fob
SKU	ADC-AC-CARD-50L4	ADC-AC-CARD-50M4	ADC-AC-FOB-60L8
Security Level	EAL 5+	EAL 5+	EAL 5+
Memory Size	4 Kbytes	4 Kbytes	8 Kbytes
Frequency	13.56 MHz	13.56 MHz	13.56 MHz
Technology	MIFARE DESFire EV3	MIFARE DESFire EV3 + Proximity	MIFARE DESFire EV3
Dimensions	3.4 x 2.1 x 0.03" (8.7 x 5.4 x 0.08 cm)	3.4 x 2.1 x 0.03" (8.7 x 5.4 x 0.08 cm)	1.6 x 1.2 x 0.2" (4.0 x 3.1 x 0.5 cm)
Read Range	Up to 1"	Up to 1"	Up to 3"
Slot Punch	Marked for vertical or horizontal	Marked for vertical or horizontal	N/A
Storage & Operating Temperatures	-50°F - 160°F (10°C - 71°C)	-50°F - 160°F (10°C - 71°C)	-13°F - 176°F (-25°C - 80°C)
Material	PVC + PET	PVC + PET	Polycarbonate
LEAF Compatibility	LEAF enabled	LEAF enabled	LEAF enabled
Color	White	White	Black with White Center
Country of Origin	USA	USA	USA