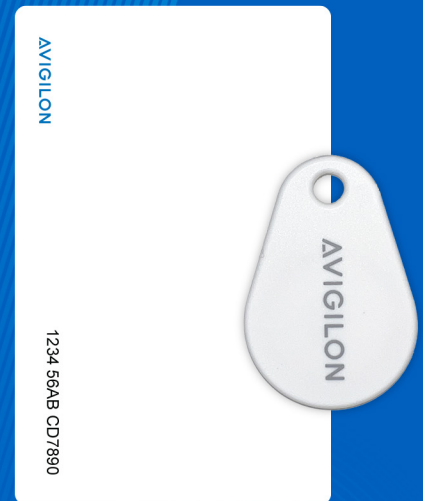


[Datasheet](#)[OP-ACH](#)[OP-ACL](#)[OP-KFH](#)[OP-KFL](#)

# AVIGILON™

## Keycards and Fobs

Expandable access control for the modern workplace



Avigilon Alta provides flexible and secure access for the modern workplace. For users that require physical credentials, Avigilon Alta offers a variety of keycards and fobs that work with Avigilon Smart and Pro Series Readers, as well as compatible wireless locks. From high-frequency cards and fobs that supply an extra layer of security to low-frequency cards and fobs compatible with Wiegand-based systems, Avigilon Alta has physical credential options to suit a variety of deployment needs, including custom and on-demand badge printing.



### Secure and encrypted credentials

The 13.56 MHz DESFire® EV3 Smart Card and fobs are high-frequency credentials that offer an extra layer of security. These 128-bit AES cryptographic credentials feature digitally signed identifiers making them extremely difficult to clone or copy.



### Custom badge printing

Add visual verification, custom fields, and branding to improve the security of physical credentials. Design custom ID badges with easy-to-use badge templates that can be printed on demand or shipped directly to you.



### Flexible low-frequency fobs

Available as the Avigilon Proximity Card or the Avigilon Proximity Fob, these 125 kHz credentials provide additional flexibility with support for legacy Wiegand-based access control systems.



### Lifetime limited warranty

Ensure peace of mind, knowing that Avigilon stands behind its access control hardware with a lifetime limited warranty, guaranteeing the quality of your security solution.

# Specifications

SYSTEM	HIGH-FREQUENCY CREDENTIALS		LOW-FREQUENCY CREDENTIALS	
	AVIGILON DESFIRE® EV3 SMART CARD	AVIGILON DESFIRE EV3 FOB	AVIGILON PROXIMITY CARD	AVIGILON PROXIMITY FOB
Operating Frequency	13.56 MHz	13.56 MHz	125 kHz	125 kHz
Communication	ISO 14443 Type A, Part 4 (ISO14443A-4)	ISO 14443 Type A, Part 4 (ISO14443A-4)	Standard 26-bit Wiegand format (H10301)	Standard 26-bit Wiegand format (H10301)
Security	AES-128 encryption* Secure channel-based file transfer Proximity check to protect against person-in-the-middle attacks	AES-128 encryption* Secure channel-based file transfer Proximity check to protect against person-in-the-middle attacks	Not applicable	Not applicable
Form Factor	Solid and punched; PVC	Convenient key ring	Solid and punched; PVC	Convenient key ring
Dimensions	CR80: 85.6 mm x 54 mm (3.37 in. x 2.125 in.) 0.84 mm (0.033 in.) thickness	46 mm (h) x 30 mm (w) (1.81 in. x 1.18 in.) 2.8 mm (0.110 in.) thickness	CR80: 85.6 mm x 53.98 mm (3.37 in. x 2.125 in.) 0.68 mm - 0.84 mm (0.027 in. - 0.033 in.) thickness	40.5 mm (h) x 33 mm (w) (1.59 in. x 1.30 in.) 4.2 mm (0.165 in.) thickness
Printing**	Custom badge printing Compatible with USB-connected or network-connected card printer	Not applicable	Custom badge printing Compatible with USB-connected or network-connected card printer	Not applicable

\*Supported only on Avigilon Smart Readers and Pro Series Readers, and Allegion Schlage® NDEB and LEB wireless locks.

\*\*The badge printing app integration is available in the Avigilon Alta App marketplace. Included in Enterprise and Premium subscriptions; ordered separately for Basic subscription.

**Note:** Third-party readers must use CSN (card serial number) mode.

PRODUCT COMPATIBILITY	AVIGILON DESFIRE EV3 SMART CARD*	AVIGILON DESFIRE EV3 FOB	AVIGILON PROXIMITY CARD	AVIGILON PROXIMITY FOB
Avigilon Smart Reader v2	EV3-A and EV3-B	EV3-B	Compatible	Compatible
Avigilon Embedded USB Smart Reader	EV3-A and EV3-B	EV3-B	Compatible**	Compatible**
Avigilon Pro Series Readers (Video Intercom Reader Pro and Video Reader Pro)	EV3-A and EV3-B	EV3-B	Compatible	Compatible
Allegion Schlage NDEB and LEB Wireless Locks with Gateway Installation	EV3-A or EV3-B	EV3-B	Compatible	Compatible

\*The EV3-A card is still referred to as the Openpath DESFire EV3 Smart Card.

\*\*Supported only if installed as a reader to manage access to entries and not as an enrollment device.

**Note:** The discontinued Avigilon MIFARE® Classic 1K Fob, and Openpath EV1 and EV2 keycards, are compatible with the above Avigilon readers. The Openpath EV1 and EV2 keycards are not compatible with Allegion devices.



# Ordering Information

PART NUMBER	DESCRIPTION
OP-ACH-EV3P10	Avigilon DESFire EV3 Smart Card for high-frequency credentials - 10 pack of hole-punched EV3-B
OP-ACH-EV3S10	Avigilon DESFire EV3 Smart Card for high-frequency credentials - 10 pack of solid EV3-B
OP-ACH-EV3A10	Openpath DESFire EV3 Smart Card for high-frequency credentials - 10 pack of hole-punched EV3-A Legacy cards for use with Allegion wireless locks that have not been upgraded to support the newer DESFire EV3-B credentials.
OP-ACH-10IC	Openpath DESFire EV3 Smart Card for high-frequency credentials - 10 pack of solid EV3-A Legacy cards for use with Allegion wireless locks that have not been upgraded to support the newer DESFire EV3-B credentials.
OP-ACL-10	Avigilon Proximity Card for low-frequency credentials - 10 pack of hole-punched form factor
OP-ACL-10IC	Avigilon Proximity Card for low-frequency credentials - 10 pack of solid form factor
OP-KFH-EV3B-10	Avigilon DESFire EV3 Key Fob for high-frequency credentials - 10 pack
OP-KFL-10	Avigilon Proximity Fob for low-frequency credentials - 10 pack
SW-ALA-BDGE	Third-party badge printing app integration with Alta Control Center for Basic subscription. Included in Premium and Enterprise subscriptions.

## Support

For product support, visit: [avigilon.com](https://avigilon.com) or [sales@avigilon.com](mailto:sales@avigilon.com)

To learn more, visit:  
[avigilon.com/access-control/credentials](https://avigilon.com/access-control/credentials)



Motorola Solutions, Inc. 500 West Monroe Street, Chicago, IL 60661 U.S.A. [motorolasolutions.com](https://motorolasolutions.com)

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