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Avigilon Keycards and Fobs

Expandable access control for the modern workplace



Alta Access provides flexible and secure access for the modern workplace. For users that require physical credentials, Alta Access 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, Alta Access 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

Avigilon's access control hardware is backed by a limited lifetime warranty, helping ensure lasting quality.

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 Alta Access 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 Access for Basic subscription. Included in Premium and Enterprise subscriptions.



Support

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

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



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