

[Datasheet](#)[OP-R2X-STND](#)[OP-R2X-STND-2M](#)[OP-R2X-MULL](#)[OP-R2X-MULL-2M](#)[Alta Access](#)

Avigilon Smart Readers

Expandable access control for the modern workplace



The Avigilon Smart Reader leverages industry-leading security combined with an elegant design that will enhance any door and office environment. The Smart Reader v2 is a multi-technology reader that supports mobile and card credentials, and low (125 kHz) and high (13.56 MHz) RFID frequencies. The Avigilon Smart Readers are available in a Standard or Mullion form-factor, making them ideal for any entry. They work seamlessly with the cloud-native Alta Access, providing visibility and management from anywhere.



Get up and running faster

Sleek form factor is easy to mount and install with standard electric wiring. Flexible mounting options to suit a variety of deployment needs, indoors and out.



Fast, reliable mobile access

Patented Triple Unlock with Bluetooth, WiFi and cellular data ensures reliable unlocks with mobile credential options like Wave to Unlock, Apple Wallet, or the Alta Open app for mobile or smart watch.



Easy management and monitoring

Software runs in the cloud for easy, secure access and remote monitoring, without the need for local servers. Built-in diagnostics and real-time troubleshooting insights streamline management.



Protected and fail safe

Tamper resistant, and designed to withstand power failures and internet outages. Readers store no data, and encrypted end-to-end communication and strong public-key cryptography to keep everything protected.



Intuitive design

Multiple LEDs provide visual indicators of Reader state, displaying conditions for configurations and connectivity as well as access and entry status.



Lifetime limited warranty

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



MOTOROLA SOLUTIONS

Specifications

COMPATIBILITY	
Avigilon Alta Mobile Credential	Bluetooth LE Auto Proximity Unlock Wave to Unlock
	Alta Open mobile app supported on iOS and Android™-compatible devices
Avigilon Alta Mobile Wallet Credential*	Apple Wallet
High-Frequency (13.56 MHz) Card and Fob**	Avigilon DESFire® EV3 Smart Card and Fob MIFARE Classic, DESFire, Ultralight (ISO14443A) CSN
Low-Frequency (125 kHz) Card and Fob	Avigilon Proximity Card and Fob HID® Proximity™, ProxCARD®, LenelProx®

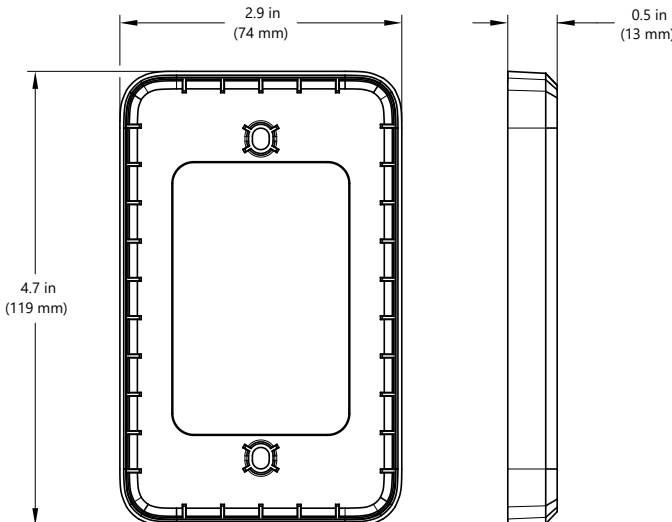
*This integration is available in the Alta Access App marketplace and requires a purchased license.

**The discontinued Avigilon MIFARE Classic 1K Fob, and Openpath EV1 and EV2 cards, are still compatible. The EV3-A card is still referred to as the Openpath DESFire EV3 Smart Card.

GENERAL	
LED Indicators	Reader power on or off, user access granted or denied, entry or door locked or unlocked, provisioning and connection status to access control system
Wiring	RS-485 to connect to Avigilon expansion boards and Wiegand inputs for third-party devices Pigtail Length: 12 in (305 mm) and 6 ft (2 m) options Encryption to access control cloud service uses TLS 1.2+
Power	0.25A @ 12VDC 0.12A @ 24VDC

DIMENSIONS	OP-R2X-STND	OP-R2X-MULL
Device Only	With surface mount bracket*	
	Flush mount in US gang box (recommended)	Surface mount on wall or door frame



DIMENSIONS		OP-R2X-STND	OP-R2X-MULL
Included Surface Bracket			None
Weight	0.4 lb (181 g)	0.32 lb (145 g)	
Color	Black White front cover (ordered separately)	Black	
ENVIRONMENTAL			
Temperature	Operating Temperature: -30°C (-22°F) to 60°C (140°F)		
Humidity	Operating Humidity: 5% to 85% relative, non-condensing		
IP Rating	Indoor and Outdoor: IP65 (IEC 60529)		
Operating temperature must not be exceeded.			
REGULATORY			
Certifications	FCC (United States), IC (Canada), CE (Europe), UKCA (United Kingdom), RCM (Australia, New Zealand), NOM (Mexico), ANATEL (Brazil), BIS (India), KC, UL 294*, RoHS, CAN/ULC 60839-11-1 *Performance Levels: Attack Level I, Endurance Level I, Line Security Level I, Standby Power Level I		
Compliance	NDAA, TAA		
WARRANTY			
Avigilon Alta Access Warranty	Lifetime limited; for more information, visit avigilon.com/support/warranty		



Ordering information

PART NUMBER	DESCRIPTION
OP-R2X-MULL	Avigilon Smart Reader v2 with 12 in (305 mm) Pigtail - Mullion Form Factor - Black
OP-R2X-MULL-2M	Avigilon Smart Reader v2 with 6 ft (2 m) Pigtail - Mullion Form Factor - Black
OP-R2X-STND	Avigilon Smart Reader v2 with 12 in (305 mm) Pigtail - Standard Form Factor - Black
OP-R2X-STND-2M	Avigilon Smart Reader v2 with 6 ft (2 m) Pigtail - Standard Form Factor - Black
OP-CVR-W	White Front Cover for Avigilon Smart Reader v2 - Standard Form Factor

Support

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

To learn more, visit:
[avigilon.com/access-control/standard-smart-reader](https://www.avigilon.com/access-control/standard-smart-reader) and
[avigilon.com/access-control/mullion-smart-reader](https://www.avigilon.com/access-control/mullion-smart-reader)



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

© 2025, Avigilon Corporation. All rights reserved. MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners.

20251211-en