

Datasheet

OP-R2X-STND

OP-R2X-MULL

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 Avigilon Alta Control Center, 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.



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.



Intuitive design

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



Fast, reliable mobile access

Patented Triple Unlock with Bluetooth, WiFi and cellular data ensures reliable unlocks, with mobile credential options like Wave to Unlock, and mobile or watch app.



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.



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

COMPATIBILITY

Mobile Credential	Bluetooth LE NFC (Android only) Auto Proximity Unlock Wave to Unlock
Supported on iOS and Android™ compatible devices	

High-Frequency (13.56 MHz) Card and Fob*	Avigilon DESFire® EV3 Smart Card and Fob MIFARE Classic, DESFire, Ultralight (ISO14443A) CSN
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Low-Frequency (125 kHz) Card and Fob	Avigilon Proximity Card and Fob HID® Proximity™, ProxCard®, LenelProx®
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*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.

iOS is a trademark of Apple Inc. Android is a trademark of Google LLC.

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
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Wiring	RS-485 to connect to Avigilon expansion boards and Wiegand inputs for third-party devices Pigtail Length: 12 in (305 mm)
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Power	0.25A @ 12VDC 0.12A @ 24VDC
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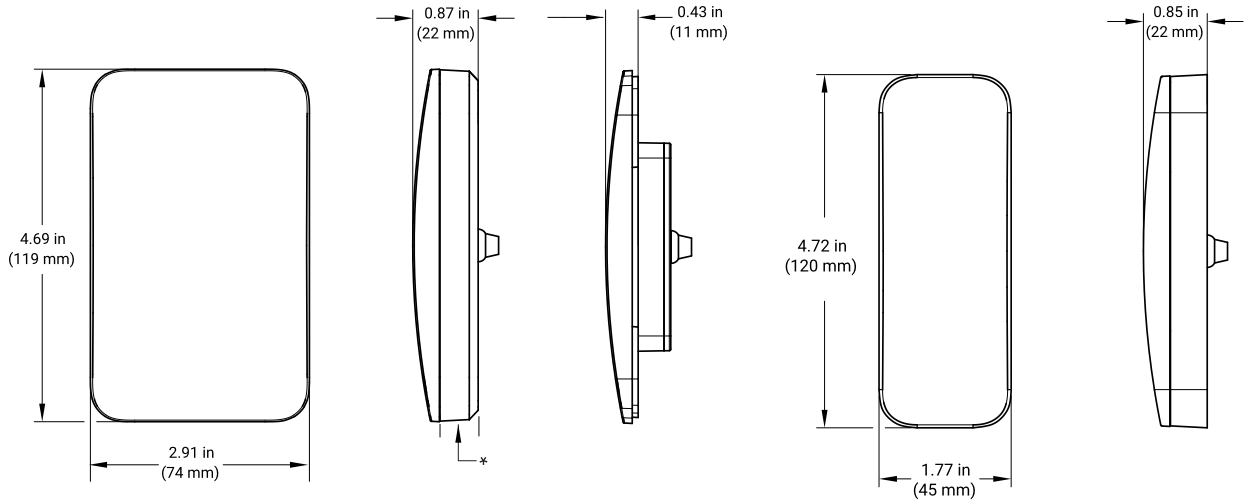
DIMENSIONS

OP-R2X-STND

OP-R2X-MULL

Device Only

With surface mount bracket*

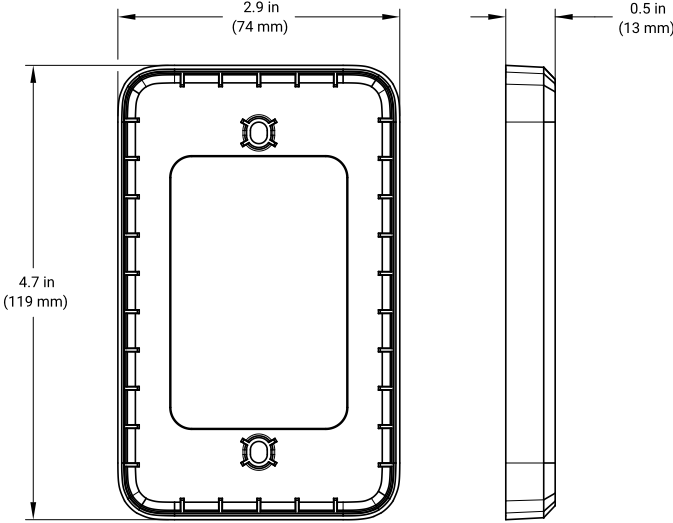


Flush mount in US gang box (recommended)

Surface mount on wall or door frame



DIMENSIONS	OP-R2X-STND	OP-R2X-MULL
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Included Surface Bracket		None
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Weight	0.4 lbs (181 g)	0.32 lbs (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), NOM (Mexico), BIS (India), RCM (Australia, New Zealand), ANATEL (Brazil), 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
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Ordering Information

PART NUMBER	DESCRIPTION
OP-R2X-MULL	Avigilon Smart Reader v2 - Mullion Form Factor - Black
OP-R2X-STND	Avigilon Smart Reader v2 - 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)



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