LNL-SM10

Smart Mini-Mullion Reader: Compact smart reader, designed to fit in small spaces, or to be mounted to a door mullion; Black ; Wiegand interface; 75 bit PIV

aptiQ™ : Proximity Mini-Mullion

aptiQ™ Readers by Ingersoll Rand Security Technologies are designed to simplify your access control solutions. Transition your system from proximity to smart card technology at your own pace without having to change out readers as new technologies are available. aptiQ readers handle all applicable ISO standards (14443A, 14443B, 15693), are FIPS 201-1 compliant and are versatile enough to read 125kHz proximity and 13.56MHz contactless smart cards in a single unit. aptiQ multi-technology readers interface with XceedID® MIFARE® Classic smart cards, the ultra-secure aptiQ™ MIFARE DESFire™ EV1, and can read the card serial numbers of a variety of smart cards from other manufacturers, making your next upgrade in technology simple and seamless. Additionally, aptiQ readers are already NFC compatible and able to communicate with NFC-enabled phones whenever you're ready to take that step.

aptiQ multi-technology readers use an open architecture platform designed to work with industry standards and common access control system interfaces. Multiple aptiQ reader form factors are designed to fit a variety of placement needs, with an attractive modern design which will complement any facility's architecture and décor. aptiQ readers are very easy to install with the quick-connect design and a standard wiring color scheme that most technicians are already accustomed to. But if you do have questions, you'll never worry about lack of service or assistance. As always, our knowledgeable sales & support staff is ready to assist you with any design or technology questions you may have.

Details

- Accommodates interior, exterior, metal, and non-metal installation environments
- Recognizes most proximity credentials, XceedID® MIFARE® Classic smart credentials, and aptiQ™ MIFARE DESFire™ EV1 smart credentials
- NFC Compatible
- Quick-connect design for easy installation
- Simple wiring – color scheme is identical to most readers in the market
- Easy-to-install mounting bracket
- Tri-state LED (red, green, amber) visual indicator and audio feedback representing status and activity information, easily discernible for the audibly or visually impaired.
- Wiegand output for simple interface with most access control panels

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Technical specifications

System

Max. reader distance to panel	152 m
CSN (Card Serial Number)	Yes

Technology

Reader type	Smart Card
Reader operating-transmitting frequency	13.56 MHz
Supported technology 13.56 MHz	iCLASS (CSN), MIFARE Classic (CSN), MIFARE DESFire (CSN), MIFARE DESFire EV1 (CSN), NFC, PIV Class, Schlage MIFARE® Secure Sector, XceedID™ MIFARE® Secure Sector
Mifare type	ISO14443A, ISO14443B

Interface & connections

Interface	Wiegand

Operation

PIN keypad	No

Electrical

Current consumption	95 mA

Physical

Physical dimensions	108 x 44 x 21 mm
Net weight	264 g
Colour	Black
Material	PBT Polymer
Form factor	Mini-Mullion
Mounting type	Surface mount

Environmental

Environment	Outdoor
Operating temperature	-35 to 67°C
IP rating	IP65

Regulatory

Compliancy	CE, FCC, IC, UL 294

Reader Type

Smart Mini-Mullion*

Frequency

13.56 MHz

FIPS 201-1 Compliant

Yes

Standard Default PIV Output

75 bit PIV**

Standards

ISO 14443A, 14443B, 15693

Certifications

FCC Certification / IC Certification / UL 294 Listed / R&TTE Directive (15 EU Countries) / CE Mark / IP65

Voltage Range

5-16 VDC

Power Supply

Linear DC

Current Requirement

Avg. 95 mA/Peak 195 mA

Read Range

MIFARE: Up to 3" (7.5 cm) DESFire EV1: Up to 2" (7.5 cm)

Cable Specification

18 AWG, 5 Conductor Stranded/Shielded

System Interfaces

Wiegand

Cabling Distance

Wiegand Output: 500 ft. (152 m)

Physical Dimensions

10.8 cm x 4.4 cm x 2.1 cm (4.26" x 1.72" x 0.81")

Operating Temperatures

-35 to 67 C°

Weight (lbs)

3.9 oz

Material

PBT Polymer

Technologies Supported in Default Mode

Schlage MIFARE® Secure Sector XceedID™ MIFARE® Secure Sector

aptiQ™ Smart Cards using MIFARE DESFire™ EV1 with PACSA DESFire® CSN

HID iClass® CSN Inside Contactless PicoTag®

CSN ST Microelectronics® CSN Texas Instruments Tag-It® Serial Number

Phillips I-Code® CSN

* Some features and benefits listed on the front may not be applicable to the smart-only and proximity-only readers.

** Other output options available through configuration.