



LNL-XF

Lenel OpenCard™ Readers

Overview

The Lenel OpenCard Reader series includes the most flexible readers in the industry. A single reader supports all applicable ISO standards (14443 and 15693), including the new U.S. Government PIV standard. All Lenel OpenCard Readers contain both 125 kHz proximity and 13.56 MHz contactless smart card support in one unit. Lenel OpenCard Readers provide compatibility with Lenel prox, HID® proximity, GE/CASI ProxLite®, XceedID proximity, AWID proximity and most 13.56 MHz technologies (see chart on back). By offering 125 kHz and 13.56 MHz technology in one reader, Lenel protects customers from obsolescence in the transition from proximity technology to contactless smart card technology. Even if customers want to continue using proximity technology today, the new Lenel OpenCard Readers offer economical migration to the latest in smart card technology while accommodating their budget or timeline.

Product Applications

The mullion reader is perfect for narrow-rail mullion installations. It can be used as a sleek and unobtrusive unit, as well as for standard wall-mounted reader applications.

The mid-range reader is ideal for mounting on single gang US electrical boxes. The read range provided by this attractive package makes it the standard of choice for most wall-mounted installations.

The mid-range keypad reader is ideal for higher security applications where two-factor (card and/or PIN) authentication is desirable. This reader may be mounted on a standard U.S. single gang electrical box, or used in any typical wall-mounted application.

Features and Functionality

- Compatibility: compatible with industry standard 125 kHz proximity and 13.56 MHz contactless technologies (see chart on back)
- Easy Migration
- Optional GSA approved PIV support
- Modular Design: allows easy removal or addition of keypad in the field
- Read Range: up to 8 inches, depending on card technology
- Integrated Tamper Detection
- Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information
- Accommodates interior, exterior, metal and non-metal installation environments
- Warranty: lifetime against defective workmanship and materials



A UTC Fire & Security Company

Standards and Technologies Supported

125 kHz Proximity

LenelProx
 GE CASI ProxLite®
 HID® Proximity
 XceedID™
 AWID Proximity

ISO 15693 13.56 MHz Vicinity

XceedID ISO-X™ Secure Sector
 Infineon my-d® Secure Sector
 HID iCLASS® Serial Number
 Infineon my-d® Serial Number
 Inside Contactless PicoTag® Serial No.
 ST Microelectronics® Serial Number
 Texas Instruments Tag-It® Serial No.

ISO 14443 13.56 MHz Proximity

Lenel OpenCard Format Sector
 XceedID Secure MIFARE
 DESFire® Serial Number
 MIFARE® Serial Number
 U.S. Government PIV Data Model

Compatibility

Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported
 Supported (PIV models only)

Reader Options

Standard Readers

LNL-XF1100D
 LNL-XF2100D
 LNL-XF2110D

PIV Readers

LNL-XF1100D-PIV
 LNL-XF2100D-PIV
 LNL-XF2110D-PIV

Description

(Standard Black) Mullion mount; Wiegand output
 (Standard Black) 1-Gang US mount; Wiegand output
 (Standard Black) 1-Gang US mount; Keypad; Wiegand output

Specifications

Frequency

125 kHz and 13.56 MHz

Standards

ISO 15693 and ISO 14443

Operating Temperature

-31° to 151°F (-35° to 67°C)

Physical Dimensions (HWD)

LNL-XF1100D:

5.85" x 1.72" x 1.14"
 (14.9 cm x 4.3 cm x 2.9 cm)

LNL-XF21XXD:

5.85" x 4.5" x 1.45"
 (14.9 cm x 11.4 cm x 3.7 cm)

Weight

LNL-XF1100D:

0.6 lbs.

LNL-XF21XXD:

1.05 lbs.

Voltage Range

8 to 16 VDC

Max. Current Requirement

LNL-XF1100D:

Avg. 95 mA DC, Peak 254 mA DC

LNL-XF2100D:

Avg. 95 mA DC, Peak 218 mA DC

LNL-XF2110D:

Avg. 120 mA DC, Peak 215 mA DC

Material

PBT Polymer

Max. Read Range

Technology

125 kHz:

13.56 MHz:

Model

LNL-XF1100D, up to 5" (12.7 cm)

LNL-XF21XXD, up to 8"

ISO 15693

• LNL-XF1100D, up to 4.5"

• LNL-XF21XXD, up to 6"

ISO 14443 MIFARE Standard

• LNL-XF1100D, up to 2"

• LNL-XF21XXD, up to 3"

ISO 14443 MIFARE DESFire

• LNL-XF1100D, up to 1.5"

• LNL-XF21XXD, up to 2.5"

ISO 14443 PIV

• LNL-XF1100D, up to 1"

• LNL-XF21XXD, up to 2"

*Maximum read range depends on credential type/form factor and installation conditions

System Interface

Cable Specification

Cabling Distance

Certifications

Wiegand (Standard)

22AWG 12 Conductor Shielded

Wiegand Output: 500 ft. (152m)

FCC Certification, Canadian FCC Certification

UL 294 Listed, CE Marked

R&TTE Directive (15 EU Countries)

GSA Approved for FIPS-201 (PIV models only)