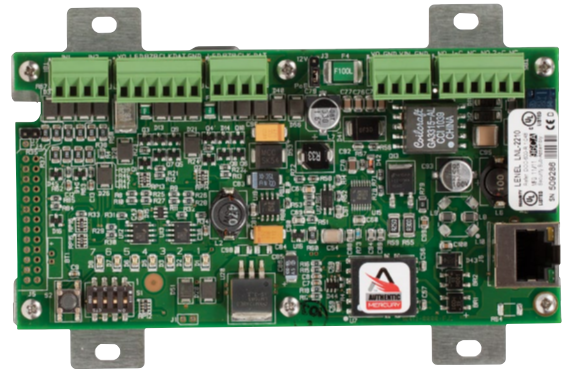


LNL-2210

Intelligent Single Door Controller



Overview

The LNL-2210 Intelligent Single Door Controller (ISDC) by Lenel is an edge device that provides a solution for interfacing one or two readers to a single door within an OnGuard® system. Offering innovation at an economical price point, the LNL-2210 controller is a high-performance, Ethernet-ready card reader panel that controls a single opening with 802.3af compliant Power over Ethernet (PoE). Built on a proven platform, the LNL-2210 controller seamlessly interfaces to a larger system for flexible, reliable expansion. Easy installation with PoE makes this the logical choice for single door control.

Once configured, the LNL-2210 controller functions independently of the host and is capable of sophisticated processes while controlling access for a single opening. Without host intervention, the LNL-2210 controller can relate selected system devices and their activity to other onboard devices, consistently allowing those activities and actions to transpire independently.

The LNL-2210 controller is capable of interfacing with a wide array of reader technologies for single opening control. Reader ports support separate in/out readers and technologies that include Wiegand, clock and data, RS-485, OSDP™, keypads, LCD and biometrics — resulting in the flexibility, versatility and reliability needed for success.

An alternative configuration is available with OnGuard version 6.6 and higher for the LNL-2210 controller. The first physical reader port can be configured to support RS-485 communication bus to LNL Door Interfaces (LNL-1300/LNL-1320) or IO devices (LNL-1100/LNL-1200). Up to eight RS-485 addressed devices can be supported on this communication bus. These additional devices must have local power supply, since the PoE cannot support them. In this configuration, the second physical reader port on the LNL-2210 controller is still available for standard single reader interface.

Features & Functionality

Controller Functionality

- Reader ports: Port 1 Wiegand, Clock/Data, Supervised or Unsupervised F/2F, or OSDP; Port 2 Wiegand, Clock/Data, Supervised or Unsupervised F/2F
- Reader Port 1 supports Open Supervised Device Protocol (OSDP), including biometric template transfer and Secure Channel encryption
- Two fixed inputs for door contact and request to exit (REX)
- 6 MB of available on-board, non-volatile flash memory
- Firmware stored in flash memory, background download of firmware updates supported

Access Control

- 240,000 cardholders, 50,000 event transaction buffer
- Up to 256 Access Levels per cardholder
- Programmable card activation and deactivation times and dates

Card Formats

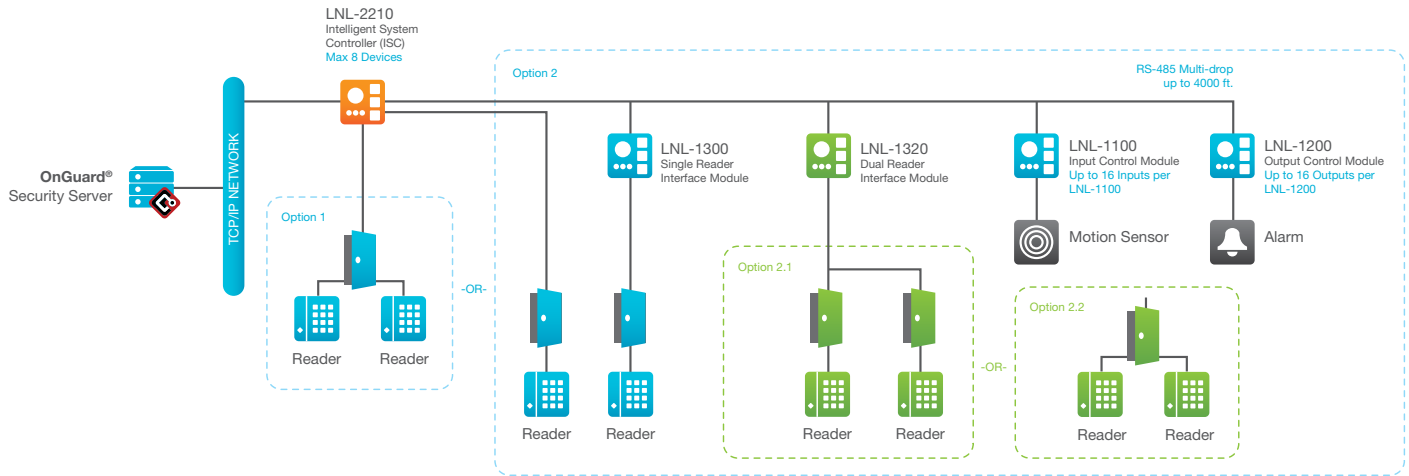
- Eight active card formats per LNL-2210
- PIV, CAC, and TWIC card compatible
- Magnetic stripe, proximity, iClass®, multiClass, MIFARE®, DESFIRE®, biometric template support

Advanced Functionality

- Enhanced anti-passback capabilities: nested global hard or soft anti-passback, timed anti-passback, two person control, designated one or two person control, tail gate control and occupancy limit
- Standard or custom end of line resistance
- Paired or single reader support
- Individual extended held open and strike times (ADA required)
- Advanced Encryption Standard (AES) 128-bit algorithm for communications to reader and I/O modules
- AES128 or TLS1.1 (with AES256 support) communication to OnGuard

LNL-2210

System Diagram



Specifications

Power Input	Class 3 PoE power input 12.95W, compliant to IEEE 802.3af or 12Vdc \pm 10% 900 mA maximum power supply. Note: for UL installations, PoE powered devices shall not be used. Power for these devices must be provided by a UL 294 listed power limited source (12Vdc)
Power Output	12Vdc @ 650 mA including reader and AUX output
Reader Interface	PoE: 12Vdc \pm 10% or a local power supply (12Vdc) (PTC limited 150 mA max)
Inputs	Two general purpose programmable circuit type and dedicated tamper
Outputs	Two relays - form-C, 2 Amp, 30 Vdc
Reader Ports	Ports 1 and 2: Wiegand Data1/Data0, Magnetic Clock/Data, Unsupervised F2F, Supervised F2F Port 1: OSDP™ (Open Supervised Device Protocol); OSDP Secure Channel, Transparent Mode and biometric templates supported, Bioscrypt RS-485, Port 1 can alternatively be used for downstream communication to additional door controllers and I/O boards.
Keypad	Multiplexed with card data
LED	11 status LED's. TTL, two wire or one wire bi-color support
Buzzer	One-wire LED mode
Dimensions	5.5"W x 2.75"L x .96"H (140mm x 70mm x 24mm) without bracket 5.5"W x 3.63"L x 1.33"H (140mm x 92mm x 34mm) with bracket
Temperature	Operating: 32° to 158° F (0° to 70° C) Storage: -67° to 185° F (-55° to 85° C)
Heat Output	18 BTU/hour
Humidity	10 to 95% relative humidity, non-condensing (RHNC)
Approvals	FCC Part 15, CE, RoHS, UL 294B, UL 1076, UL CSA-C22.2, CAN/ULC-S319-05, cUL/ORD-C1076

Note: For UL, the Power Sourcing Equipment (PSE) such as a PoE enabled network switch and/or PoE power injectors must be UL Listed under UL294

Controller Features

Part No.	Description
LNL-2210	240,000 cardholders, 6 MB on-board flash memory available for cardholder & asset database, 50,000 event backed RAM for event log, on-board rechargeable battery with up to two week support, maximum two reader support per physical barrier (door)



lenel.com/access-hardware

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Specifications subject to change without notice.
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2017/12 (GSP-2463)