

LNL-1300 Series 3

Single Reader Interface Module



Overview

Lenel offers a Single Reader Interface (SRI) module for access control solutions. Access control card readers, keypads, or readers with keypads that use standard Wiegand Data1/Data0, Supervised or Unsupervised F2F, or Clock/Data communication are supported, as are those supporting the bidirectional RS-485 Open Supervised Device Protocol (OSDP™). Lock, unlock, and facility code offline access modes are supported on all readers connected to the SRI. Each SRI supports up to 16 different card formats as well as issue codes for both magnetic and Wiegand card formats.

The SRI provides a vital link between the Intelligent System Controller (ISC) and the card reader attached to the interface. As many as 32 SRI modules can be multidropped using RS-485 2-wire communication up to 4,000 feet (1219 m) per port away from the ISC. Each SRI module is individually addressed for increased reporting capabilities with OnGuard® access control software applications. The SRI includes two inputs that support normally open, normally closed, supervised, and non-supervised circuits. Two output relays support fail-safe or fail-secure operation.

Features & Functionality

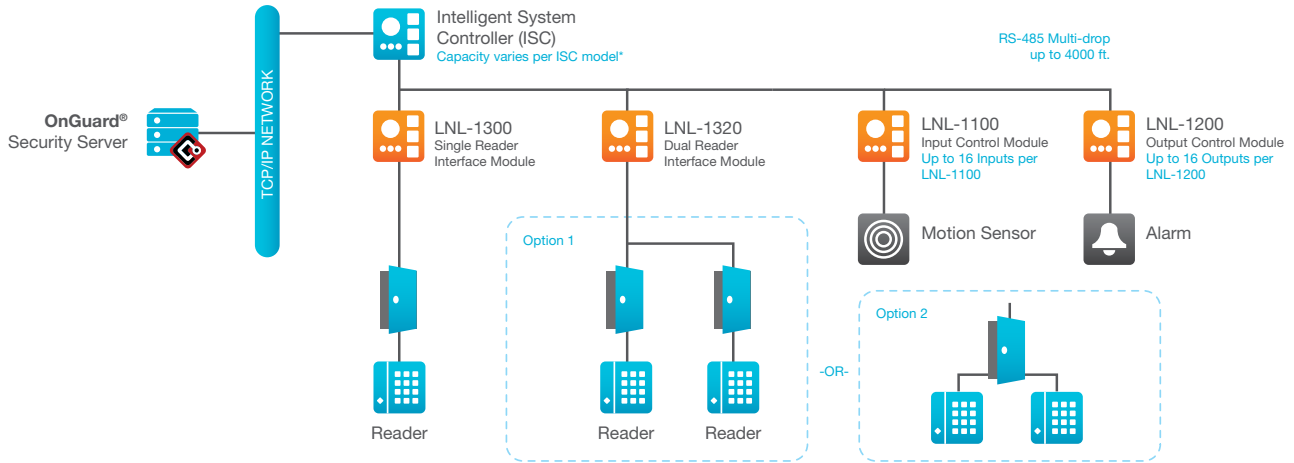
- 12 or 24 VDC power supply
- Supports Data1/Data0, Clock/Data, Supervised and Unsupervised F2F and OSDP-compatible RS-485 readers and keypads
- Supports Open Supervised Device Protocol (OSDP) readers, including biometric template transfer and Secure Channel encryption
- Two Form-C relay outputs (5 A door strike and 1 A aux relays)
- Up to 16 different card formats
- Issue code support
- Downloadable firmware
- Door contact open or closed, supervised or non-supervised
- REX push-button monitor - supervised or non-supervised
- Strike control output
- Bicolor or 2-wire reader status LED support
- Reader beeper control
- Plastic mounting channel
- Support for offline reader access mode
- Elevator control, support for 128 floors
- Advanced Encryption Standard (AES) 128-bit or 256-bit encryption supported, depending on ISC and OnGuard version
- Compatible with current and previous versions of OnGuard

Extended Functionality

- Connect one FIPS-201 reader for embedded authentication (when used with LNL-4420 and appropriate HID® and OnGuard software and licenses)

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System Diagram



* See ISC datasheets for specific capacities.

Power Supplies & Enclosures

LNL-AL400ULX	UL Listed 4A, 110VAC Power Supply – 12VDC 4A output, 115VAC input, continuous supply current with enclosure (15.5" x 12.5" x 4.5"), lock, tamper switch, UPS capable (Battery Optional) UL & CUL Approved
LNL-AL600ULX-4CB6	UL Listed Power Supply – 12VDC 6A output, 115VAC (1.6 amps) input, continuous supply current with enclosure (24" x 18" x 4.5"), lock, tamper switch, power distribution module, UPS capable (Battery Optional) UL & CUL Approved
ABT-12	Battery Kit - 12VDC, 12 AH battery (PS-12120)

Specifications

Primary Power	12 to 24Vdc ±10%, 150mA maximum (plus reader current) 12Vdc @ 150mA (plus reader current) maximum, 6.2 BTUs 24Vdc @ 80mA (plus reader current) maximum, 6.5 BTUs
Outputs	Form-C contacts: K1: Normally Open (NO) Contact: 5A @ 30 Vdc, Normally Closed (NC) Contact: 3A @ 30 Vdc, K2: 1A @ 30 Vdc
Inputs	2 supervised, End of Line resistors, 1k/1k ohm, 1% 1/4 watt standard 1 unsupervised, dedicated for cabinet tamper
Reader Interface	Reader power: 12 to 24Vdc ±10% (input voltage passed through)
Reader Port Compatibility	Wiegand Data 1/Data 0 Magnetic Clock/Data Supervised and Unsupervised F2F Open Supervised Device Protocol
Mechanical	Dimension: 4.25" (108mm)W x 2.75" (70mm)L x 1" (25.4mm)H Weight: 4 oz. (120g) nominal
Environmental Temperature	Operating: -40°F to 167°F (-40°C to +75°C) Storage: -67°F to 185°F (-55°C to +85°C)
Humidity	5% to 95% RHNC
Compliance Approvals	FCC Part 15, CE, RoHS, UL 294, UL 1076, ULC CSA-C22.2, CAN/ULC-S319-05, cUL/ORD-C1076



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