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Dual Reader
Interface Module

LNL-1320 Series 2

Overview

Lenel offers a Dual Reader Interface (DRI) module for access control solutions. Most access control card readers, keypads, or readers with keypads that use standard Wiegand Data1/Data0 or Clock/Data communication are supported, as are those that support 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 DRI. Each DRI supports up to eight different card formats as well as issue codes for both magnetic and Wiegand card formats.

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



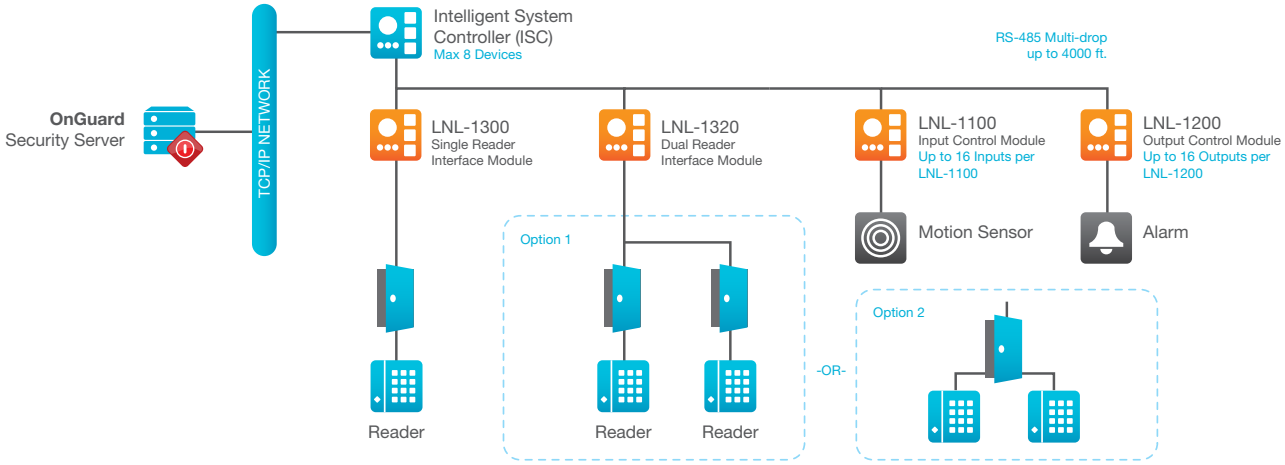
RoHS compliant

CE

SECURITY
C UL US
LISTED

FEATURES & FUNCTIONALITY

- 12 or 24 VDC power supply
- Supports Data1/Data0, Clock/Data and Lenel OSDP-compatible RS-485 readers and keypads
- Downloadable firmware
- Six Form-C 5 A at 28 VDC relay outputs
- Up to 16 different formats (8 card formats and 8 asset formats)
- Issue code support for magnetic and Wiegand formats
- Door contact supervision (open/closed)
- REX push-button monitor
- Strike control output
- Bicolor reader status LED support and 2-wire LED support
- Beeper control
- Dedicated tamper and power failure circuits
- Support for offline reader access mode
- On-board jumpers for termination
- On-board regulator allows 12 VDC reader support from 24 VDC power source
- DIP switch-selectable addressing



Power Supplies & Enclosures

LNL-AL400ULX	Lenel® 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	Lenel 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%, 550mA maximum (plus reader current) 12Vdc @ 450mA (plus reader current) nominal, 18.41 BTUs 24Vdc @ 270mA (plus reader current) nominal, 22.09 BTUs
Outputs	6 outputs, Form-C, 5A @ 28Vdc, resistive
Inputs	8 unsupervised/supervised, standard EOL: 1k/1k ohm, 1% 1/4 watt 2 unsupervised, dedicated for cabinet tamper and UPS fault monitoring
Reader Interface	Reader power: 12Vdc ±10% regulated, 125mA maximum each reader (jumper selectable and input voltage (VIN) must be 20Vdc minimum) or 12 to 24Vdc ±10% (input voltage passed through) 125mA maximum each reader
Reader Port Compatibility	Wiegand Data 1/Data 0 Magnetic Clock/Data F/2F Single Wire Open Supervised Device Protocol
Mechancial	Dimension: 6” (152mm)W x 8” (203mm)L x 1” (25mm)H Weight: 11 oz. (312g) nominal
Environmental Temperature	Operating: 32°F to 158°F (0°C to +70°C) Storage: -67°F to 185°F (-55°C to +85°C)
Humidity	0% to 95% RHNC
Compliance Approvals	FCC Part 15, CE, RoHS, UL 294, UL 294, UL 1076, ULC CSA-C22.2, CAN/ULC-S319-05, cUL/ORD-C1076

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Specifications subject to change without notice.

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