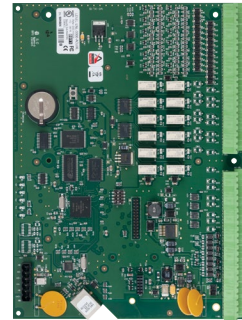


# LNL-3300-ACUXL

## Network Intelligent Controller



### Overview

The Lenel® LNL-3300-ACUXL Network Intelligent Controller is designed to facilitate the migration of Facility Commander™ Wnx, Diamond II and Sapphire Pro systems to Lenel's OnGuard® security management system. The LNL-3300-ACUXL controller provides a one-for-one, plug-compatible, OnGuard-ready replacement for ACUXL boards.

The LNL-3300-ACUXL controls up to 16 readers. Each controller supports up to 200,000 cardholders and communicates over LAN via the on-board 10Base-T/100Base-TX Ethernet port. The LNL-3300-ACUXL offers a wide range of features, with a focus on reliability, durability, and ease of installation and maintenance. The controller incorporates two external device ports. Each port is capable of controlling eight readers/interfaces, which are multi-dropped using an RS-485 interface, and connects to existing RRE Remote Reader Electronics, RIM Remote Alarm Input Modules, and RRM Remote Relay Output and IKE Intelligent Keypad Reader Modules.

Readers, badges, and wiring are all reused without modification, ensuring the simplest migration to the OnGuard security solution.

### Features & Functionality

- OnGuard-compatible replacement for ACUXL
- Support for up to 16 readers and associated interfaces through two RS-485 communication ports
- Support for RIMs and RRM for a maximum of 172 fully configurable supervised six-state inputs or 156 fully configurable Form-C outputs
- Local and global alarm masking capabilities initiated from readers, keypads or operators
- Internal power fault detection with battery backup capability
- Configurable local and global alarm-to-relay linking
- 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
- Onboard LAN communication using TCP/IP
- LAN and RS-485 communication port for redundant communication paths to the server

# LNL-3300-ACUXL

## Specifications

Power Supply	
Primary Power	18.5 to 28 VDC
Memory and Clock Backup Battery	3 V Lithium, type BR2325, BR2330 or CR2330
Maximum Input Current	0.5 A. Does not include SIO ports 1 and 2 and auxiliary outputs
Output Power	SIO port 1 and 2 24 VDC @ 1.25 A maximum from each port (TB2-1 and TB2-7)
Auxiliary Outputs	12 VDC 0.25 A maximum, combined (TB1-4 and TB5-3) 5 VDC 0.25 A maximum (TB5-4) 24 VDC 2.0 A maximum (TB5-6)
Communication Ports	
Host Communication: Ethernet:	10Base-T/100Base-TX
SIO Communication	2 each, 4-wire RS-485, 2,400 to 115,200 bps, asynchronous, half-duplex, 1 start bit, 8 data bits, and 1 stop bit
Inputs	2 dedicated for tamper and UPS fault monitoring, 12 for door position monitoring, request to exit or alarm contacts
Outputs	12 Form-C, 2 A @ 30 VDC, resistive
Cable Requirements	
Power and Relays	10Base-T/100Base-TX
Ethernet	Cat 5 minimum
Alarm Input	1 twisted pair, 30 ohms maximum, typically 22 AWG @ 1000 ft (304.8m)
Environmental	
Operating Temperature	32°F to 122°F (0°C to +50°C)
Storage Temperature	-67°F to 185°F (-55°C to +185°C)
Humidity	5 to 95% RHNC
Mechanical	
Dimensions	10.4" W x 7.85" L x 1.75" H (264.2mm x 199.4mm x 27.3mm)
Weight	12.0 oz. (343g) nominal, without terminal blocks
Certifications	
UL294, CE marking, RoHS compliant	

For use in low voltage, Class 2 circuits only. The installation of this device must comply with all local fire and electrical codes

## Ordering Information

Part No.	Description
LNL-3300-ACUXL	Network Intelligent Controller



[lenel.com](http://lenel.com)

(866) 788-5095

Specifications subject to change without notice.

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