

LNL-3300

Intelligent System Controller

Product Overview

The LNL-3300 Intelligent System Controller (ISC) by Lenel is designed for advanced access control applications. As the access control engine for the OnGuard system, the ISC provides power and functionality. The ISC can communicate to the host computer in a single- or dual-path configuration of Ethernet, dial-up or direct connect RS-485 communication. Multiple combinations of Input Control Modules, Output Control Modules and Card Reader Interface Modules (up to 64 devices) can be configured.

Utilizing its native Ethernet communications and an advanced 32-bit processor, the LNL-3300 can communicate upstream to the host computer through its primary Ethernet port, with throughput up to 8 times greater than the fastest serial connections.

The secondary port can communicate at up to 115.2 Kbps using 2-wire RS-485 multidrop, dial-up, or an Ethernet daughterboard connection. The LNL-3300 can store up to 500,000 cardholders in non-volatile flash memory, and supports selective download for larger cardholder databases.

The two downstream RS-485 2-wire ports can be used to connect up to 64 devices (64 doors) in many combinations of LNL-1100, LNL-1200, LNL-1300, LNL-1320, LNL-500B, and LNL-500W modules.



Details

- On-board Ethernet 10/100Base-T port provides up to 8 times greater throughput than serial-to-Ethernet converters. DHCP and fixed IP addressing supported.
- DNS device naming through DHCP extended commands
- Host dual path communication enabled - on-board Ethernet TCP/IP, direct wire (RS-485, 2-wire multidrop capable), or dial-up communications
- 15 MB of available on-board, non-volatile flash memory
- Battery-backed, non-volatile storage of 50,000 events
- Firmware stored in flash memory, background download of firmware updates supported
- 12 or 24 VDC input power
- Supports up to 16 different formats (8 card formats and 8 asset formats)
- Biometric template storage support for Schlage Recognition Systems®, Bioscrypt®, and Identix®.
- Enhanced anti-passback capabilities
- Up to 32,000 access level permissions
- 255 holidays with grouping, 255 timezones, each with 6 intervals
- Elevator control support for up to 128 floors
- Alarm masking
- Individual extended held open and strike times (ADA required)
- Status LEDs for heartbeat & battery status, upstream and downstream communication, and memory write status
- Up to 9-digit user PIN codes
- 2 dedicated inputs for tamper and power failure status

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Technical specifications

System

Controller type	Main Controller
Software compatibility	OnGuard
Max. no. of access levels	32000
Max. no. of timezones	255
Max. no. of card formats	16
Max. no. of PIN code digits	9
Max. no. of holidays	255
Elevator control	Yes
Elevator control max no. of floors	128
Max. no. of memory	15MB
PCB only	Yes

Interfaces

Host connection	IP, RS485
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Communication

Bus interface	RS485
IP addressing	DHCP, Fixed IP
IP port speed	10 Mbit, 100 Mbit

Electrical

Operating voltage	12 V VAC, 12 or 24 VDC
Current consumption	400 mA

Physical

Physical dimensions	203 x 152 x 203 mm
Net weight	115 g
Shipping weight	160 g

Environmental

Operating temperature	0 to +70°C
Storage temperature	-55 to +85°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor

Standards & regulation

Compliance	CE, FCC, RoHS, UL 294
Certification	CE, UL

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