

LNL-2220

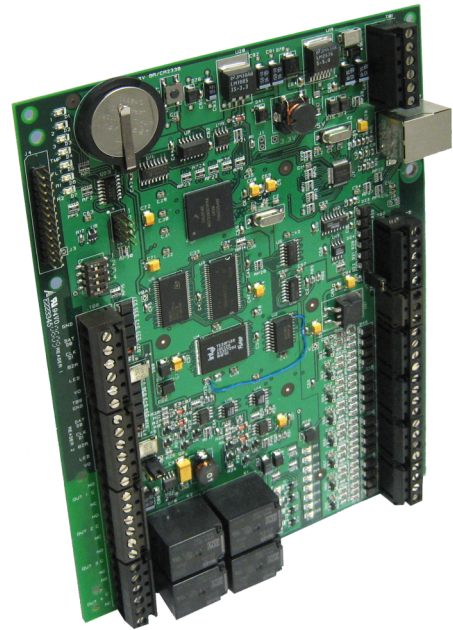
Intelligent Dual Reader Controller

Product Overview

The LNL-2220 Intelligent Dual Reader Controller (IDRC) by Lenel provides a single board solution for interfacing one or two doors to an OnGuard system. In addition, other I/O and reader interface modules can be added on the LNL-2220's downstream port to expand its capabilities. The LNL-2220 revolutionizes access control system architecture by allowing Ethernet connection directly from an entry location to the OnGuard server, while still providing the security, functionality, and modularity of Lenel's proven hardware platform. The LNL-2220 is scalable for any access control application, from the most basic to the most sophisticated. In the event of communication loss, the LNL-2220 allows nearly all local functionality to continue unimpaired until the server connection is restored.

Utilizing its native Ethernet communications and an advanced 32-bit processor, the LNL-2220 can communicate upstream to the host computer through its Ethernet port (with a throughput up to eight times greater than the fastest serial connections), or at up to 115.2 Kbps using RS-232 communication directly or through an external dial-up modem. The LNL-2220 can store up to 250,000 cardholders in non-volatile flash memory, and supports selective download for larger cardholder databases. The downstream RS-485 two-wire port can be used to connect up to 32 devices (maximum 64 doors).

Two on-board reader ports support Data1/Data0, Clock/Data, Supervised and Unsupervised F2F, Bioscrypt RS-485 readers and the bidirectional RS-485 Open Supervised Device Protocol (OSDP) communications. Each LNL-2220 supports up to eight different card formats. The LNL-2220 includes eight inputs that support normally open, normally closed, supervised, and unsupervised circuits. In addition, four output relays support fail-safe or fail-secure operation



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
- 6 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
- Supports up to 16 different formats (8 card formats and 8 asset formats)
- Biometric template storage support for Schlage Recognition Systems®, Bioscrypt®, and Identix®.
- Direct connection of Bioscrypt RS-485 devices
- 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
- Individual extended held open and strike times (ADA required)
- Up to 9-digit user PIN codes
- 20 status LEDs
- 2 dedicated inputs for tamper and power failure status
- 12 or 24 VDC input power
- Advanced Encryption Standard (AES) 128-bit algorithm for communications

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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 holidays	255
Elevator control	Yes
Elevator control max no. of floors	128
Max. no. of memory	6MB
PCB only	Yes

Users/cards

Offline badge capacity	50000
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Interfaces

Reader interface	Clock-data, OSDP, SF2F, Wiegand
Host connection	IP, RS485

Communication

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

Electrical

Operating voltage	12 or 24 VDC
Current consumption	125 mA

Physical

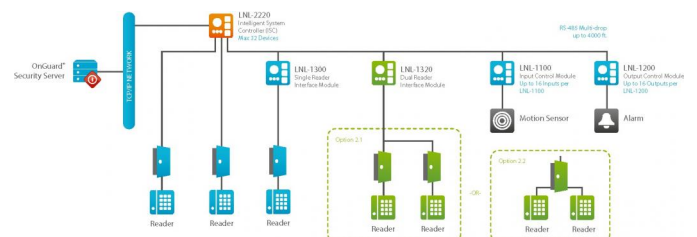
Physical dimensions	254 x 178 x 254 mm
Net weight	230 g

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 1076, UL 294
Certification	CE, UL



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