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LNL-2000
Lenel Intelligent System Controller

Overview



The LNL-2000 Intelligent System Controller (ISC) from 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 communication (RS-232/RS-485 combinations). Multiple combinations of Input Control Modules, Output Control Modules, Biometric Gateways, and Card Reader Interface Modules (up to 64 devices) can be configured.

The LNL-2000 can communicate upstream to the host computer at up to 115.2 Kbps via RS-232, RS-485 multidropped, dial-up, or Ethernet communication. The LNL-2000 can store up to 350,000 cardholders online, and supports selective download for larger cardholder databases. The ISC has two host communication ports. It also has four downstream communication ports, which support either four 2-wire or two 4-wire RS-485 communication. In either configuration, you may connect up to 32 devices in many combinations of LNL-1100, LNL-1200, LNL-1300, LNL-1320, LNL-500B, and LNL-500W modules.

Features and Functionality

- Host Dual Path Communication Enabled - direct wire (RS-232/RS-485 multi-dropped), Ethernet TCP/IP, or dial-up communications
- 1 MB on board memory expandable to 8 MB (up to 350,000 cardholders)
- 12 VAC or 12 VDC input power
- Supports up to 16 different formats (8 card formats and 8 asset formats)
- Biometric template storage support for RSI®, Identix®,and Bioscrypt®
- Enhanced anti-passback capabilities
- Flash memory for real-time program updates
- Lithium battery back-up for event memory
- Up to 32,000 access level permissions
- 255 holidays with grouping
- 255 timezones, each with 6 intervals
- Elevator control support for up to 64 floors
- Alarm masking
- Individual extended held open and strike times (ADA required)
- Up to 9-digit user pin codes
- Status LEDs for heartbeat, upstream and downstream communication
- Two dedicated inputs for tamper and power failure status
- UL 294 listed and 1076 Listed, CE Marked
- NIST Certified (AES) Advanced Encryption Standard 128-bit algorithm for communications

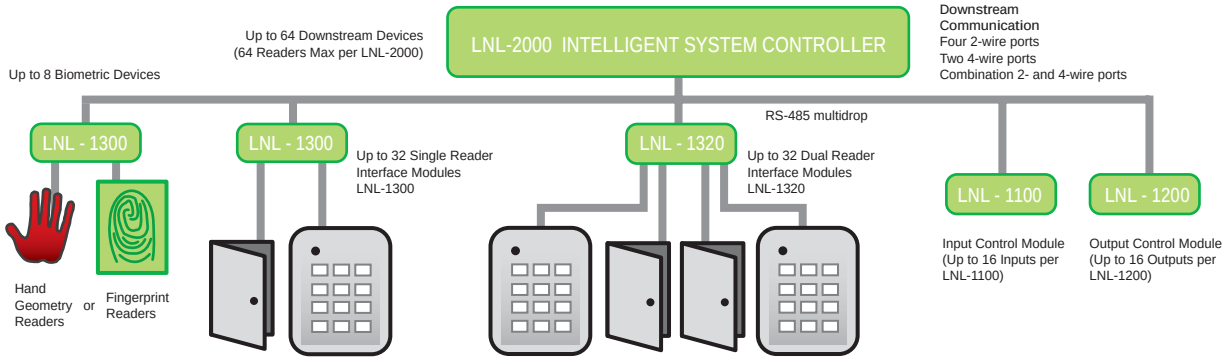
RoHS compliant

c UL us LISTED

CE

Lenel
A UTC Fire & Security Company

LNL-2000



Reader Options

LNL-2000	Standard onboard memory is 1 MB
Memory Options	
LNL-1003MK	3 MB memory expansion kit (Includes 3 MB memory and expansion board)
LNL-1007MK	7 MB memory expansion kit (Includes 7 MB memory and expansion board)
Host Communications	
LNL-ETHLAN	Micro serial server, flash ROM, DB25 serial port RJ-45 (10/100Base-T).
LNL-ETHLAN-MICR	CoBox Micro serial server, flash ROM, RJ-45 (10/100Base-T), diagnostic LEDs, dimensions 1.57 x 1.93 in., internally powered and includes standoffs
Dial-Up Modem	
LNL-56KEXT	56 K external Modem with cables
LNL-DC336K	12 VDC powered/33.6 K external modem for Intelligent System Controller

Specifications

Primary Power (DC or AC)	* The ISC is for use in low voltage, power-limited, class 2 circuits only.
DC input:	12 VDC ± 15%. 400 mA
AC input:	12 VAC ± 15%. 650 mA RMS
Memory and Clock Backup	3 V lithium, type BR2325
Communication Ports	
Port 1, 6:	RS-232 or RS-485 (2-wire or 4-wire) 9600 to 115.2 Kbps async
Ports 2-5:	RS-485 (2-wire or 4-wire) 9600 to 38.4K bps async
Inputs	
Cabinet Tamper Monitor:	Unsupervised, dedicated
Power Fault Monitor:	Unsupervised, dedicated
Wire Requirements	
Power:	1 twisted pair, 18 AWG
RS-485:	24 AWG twisted pair(s) with shield, 4000 ft. (1219 m) maximum
RS-232:	24 AWG, 25 ft. (7.6 m) maximum
Inputs:	Twisted pair, 30 ohms maximum
Environmental	
Temperature:	Operating: 0° to +70° C (32° to 158° F) Storage: -55° to +85° C (-67° to 185° F)
Humidity:	0 to 95% RHNC
Mechanical	
Dimensions:	6 x 8 x 1 in. (152 x 203 x 25 mm)
Weight:	10 oz. (290 g) nominal
Approvals	UL 294 & UL 1076 listed, CE marked NIST certified Advanced Encryption Standard (AES) 128-bit communication algorithm

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