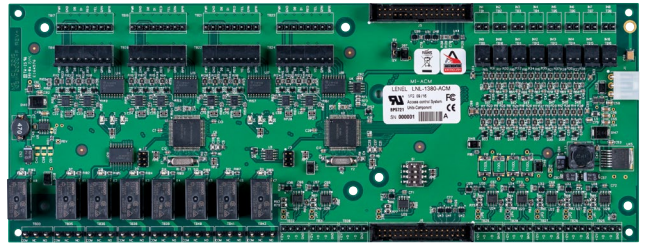


LNL-1380-ACM

Reader Interface Module



Overview

Lenel® SH series hardware facilitates the migration of iSTAR® Pro hardware and SOFTWARE HOUSE® G•CURE® systems to Lenel access control hardware and OnGuard® software. The hardware in the Lenel SH series provides a one-for-one, plug-compatible, OnGuard ready replacement for iSTAR Pro hardware.*

The LNL-1380-ACM Reader Interface Module provides a reader and door hardware interface when migrating to the Lenel SH series. It also allows for the addition of standard LNL door controllers for connection of additional readers.

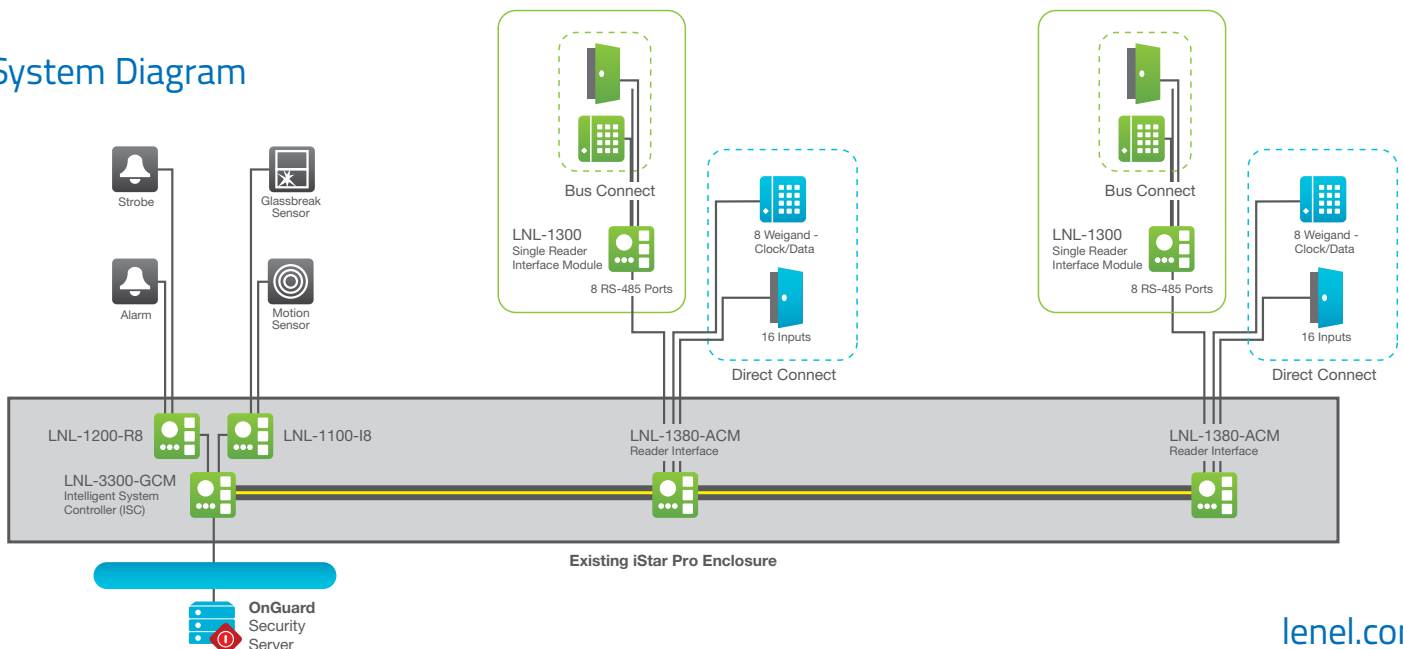
The LNL-1380-ACM board supports 8 readers with TTL signaling (D1/DO, Clock/Data), 16 inputs (which may be configured to support unsupervised or supervised alarm input circuits), 8 output relays, and 8 RS-485 ports for downstream serial devices. Each LNL-3300-GCM controller supports up to 2 LNL-1380-ACM units.

*Additional hardware may need to be replaced.

Features & Functionality

- Lenel replacement for iSTAR Pro ACM Access Control Module
- Support for 8 readers in D1/DO (Weigand) or Clock/Data communication mode
- Select 5 VDC or 12 VDC power to the readers
- Support for 16 unsupervised or supervised alarm input circuits
- Custom End-of-Line (EOL) resistors configurable via host software
- Support for 8 output relays
- Support for 8 RS-485 ports for downstream Lenel door controllers
- Support of two LNL-1380-ACM Access Controller Modules by the LNL-3300-GCM

System Diagram



LNL-1380-ACM

Specifications

Power Supply	
Primary Power	12 VDC \pm 10%, 3 A maximum
Remote Device Current	350 mA maximum per port, not to exceed 2.5 A for readers and RS-485 ports
Inputs, Outputs and Communications	
Reader Ports	8, Wiegand Data 1/Data 0 or Magnetic Clock/Data
Outputs	8 relay outputs, form C, 2.5 A @ 30 VAC/VDC, dry contact
Downstream	8 downstream 2-wire RS-485 ports. 9600, 19200, 38400, or 115200 bps
Inputs	16 unsupervised/supervised, standard EOL: 500/1k/1k ohm, 1%, 1/4 watt
Cable Requirements	
Power	1 twisted pair, 18 AWG
RS-485	1 twisted pair with shield, 120 ohm impedance, 24 AWG, 4000 feet (1219m) maximum
Reader Data	4- to 8-conductor, 18 AWG, 500 feet (150m) maximum
Alarm Inputs	1 twisted pair, 30 ohms maximum
Environmental	
Operating Temperature	32°F to 122°F (0°C to +50°C)
Storage Temperature	-67°F to 185°F (-55°C to +85°C)
Humidity	5 to 95% RHNC
Mechanical	
Dimensions	4.65" W x 12.25" L x 0.65" H (118mm x 311mm x 16.5mm)
Weight	9.35 oz. (265g) nominal, without terminal blocks
Certifications	
UL294, CE marking, RoHS compliant	

*Note: For use in low voltage, class 2 circuit only.
The installation of this device must comply with all local fire and electrical codes.*

Ordering Information

Part No.	Description
LNL-1380-ACM	Reader Interface Module



lenel.com

(866) 788-5095

Specifications subject to change without notice.

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