

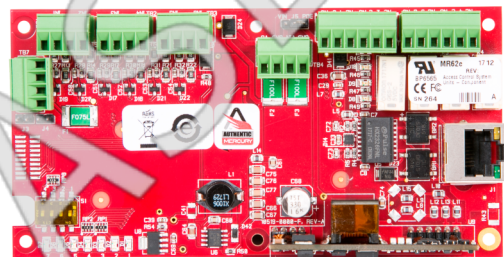
LNL-1324E

Network-connected door or I/O module, IP door interface with two door support (2 OSDP readers per door), POE, POE+ or 12 VDC, 6 inputs, 4 relays

Overview

The LNL-1324e is a flexible network-wired LenelS2 hardware module that interfaces either a dual door (with 1 or 2 readers) or a set of I/O points to OnGuard® systems version 7.6 or higher. The LNL-1324e allows doors or auxiliary I/O to be conveniently wired to an OnGuard system using structured cabling and Ethernet, rather than via dedicated RS-485 wiring. When combined with a compatible LenelS2 Intelligent System Controller, this allows either a 100% Ethernet solution or a hybrid system to be deployed, depending on the security and IT infrastructure considerations of the installation. The LNL-1324e provides the same Local I/O linking and fallback options as traditional serial connected modules, but with the convenience and flexibility of network connection.

The LNL-1324e can be configured in one of two operating modes. When in the network-connected dual door controller mode, the LNL-1324e controls two doors allowing one or two readers to be connected per door. One auxiliary inputs and one auxiliary relay output are also available, in addition to dedicated exit request and door contact inputs and a door lock output relay. And when in the network-connected I/O module mode, the LNL-1324e allows up to six auxiliary inputs and four auxiliary relay outputs to be configured using LenelS2's OnGuard system.



Details

- Supports 10/100 Ethernet communications to Lenel X-Series Intelligent System Controllers
- Advanced Encryption Standard 256-bit encryption supported
- Mounts into all standard EMEA PSU enclosures or standard ANSI/NEMA triple gang switch box for a compact footprint
- Firmware stored in flash memory; background download of firmware updates supported
- Custom or standard end-of-line resistors supported
- Features when in network-connected dual door controller mode:
 - OSDP reader port supports four OSDP reader addresses
 - Paired or single reader support per door
- Supports OSDP, including biometric template transfer and Secure Channel encryption
- Two outputs; one dedicated for a strike and one general purpose (Form C, 2 A @ 30 VDC) per door
- Two fixed inputs for door contact and request to exit (REX) per door
- Two programmable auxiliary inputs, one for each door
- Features when in network-connected I/O module mode:
 - Four general-purpose auxiliary relay outputs (Form C, 2 A @ 30 VDC)
 - Six programmable auxiliary inputs (supervised or unsupervised)
- Extended Functionality:
 - Connect supported FIPS-201 readers for embedded authentication (when used with LNL-X4420 and appropriate OnGuard software, licenses and third-party hardware)

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Technical specifications

System

Controller type	Reader module
Software compatibility	OnGuard
Software compatibility version	V7.6
Maximum bus length	1220 m
Max. no. of card formats	8
Max. no. of PIN code digits	15
PCB Only	Yes
LCD intrusion keypad	No

Readers / doors

Max. no. of doors	2
Max. no. of readers	4

Interfaces

Reader interface	OSDP
Host connection	IP

Communication

Bus interface	RS485
IP type	IP Version 4, IP Version 6
IP addressing	DHCP, Fixed IP
IP port speed	100 Mbit
Network type	10-BaseT/100Base-TX Ethernet
Encryption	256 bit AES Encryption

Electrical

Power supply type	12 VDC, PoE in, PoE+ in
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Physical

Physical dimensions	Without bracket: 140 x 70 x 24 mm ; 5.5" x 2.75" x .96" (W x L x H) With bracket: 140 x 92 x 34 mm ; 5.5" x 3.63" x 1.33" (W x L x H)
Net weight	142 g
Shipping weight	182 g
Colour	Red

Environmental

Operating temperature	0 to +70°C
Storage temperature	-55 to +85°C
Relative humidity	5 to 95% noncondensing

Regulatory

Compliance	CE, RoHS, UL 1076, UL 294, WEEE
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Power Input

POE	12.95 W, compliant to IEEE 802.3af
PoE+	25 W, compliant to IEEE 802.3at
12 VDC	12 VDC \pm 10 %, 1.7 A maximum
	Note: for UL installations, POE powered devices shall not be used. Power for these devices must be provided by a UL 294 listed power limited source (12 VDC)

Power Output

PoE	Locks and Reader, combined: 12 VDC at 0.66 A Max.
PoE+ or 12 VDC	Lock 12 VDC at 1 A max.
Readers	12 VDC at 0.5 A max.
Thermally protected	

Inputs / outputs

In I/O mode	Six unsupervised/supervised, End of Line resistors, 1k/1k Ohm, 1%, ¼ Watt standard.
In I/O mode	Four relays, Form-C contacts rated at 2 A at 30 VDC
In Door Controller mode	Six dedicated AUX INPUT, REX and Door contact.
In Door Controller mode	Two door relays + two free programmable relays 2 A at 30 VDC

Readers / doors

Port 1 - 4	Only OSDP (Open Supervised Device Protocol); OSDP Secure Channel, Transparent Mode and biometric templates supported, Bioscrypt RS-485, FIPS2-01 Embedded Authentication (requires LNL-X4420 and appropriate licenses and software)
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