

LNL-8000-M5

M Series Controller

Product Overview

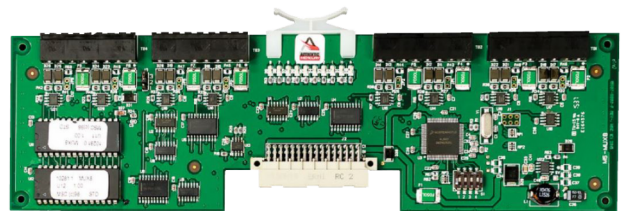
All boards in the Lenel M Series have been designed to facilitate the migration of legacy Picture Perfect®, Facility Commander® Wnx, or Secure Perfect® systems to Lenel's OnGuard® system. The Lenel M Series boards provide a one-for-one, plug compatible, OnGuardready replacement for legacy CASI M5 and M3000 boards. The migration is a straightforward process of powering down the legacy controller, unplugging field wiring from legacy boards, inserting new Lenel M Series boards, plugging in field wiring, and powering up new controller which communicates to the OnGuard system.

The LNL-8000-M5 is an optional replacement for the legacy CASI 8RP board (PN 110100501). The LNL-8000-M5 enables a wide range of new reader types to be connected via existing wiring. This is possible by allowing standard Lenel door controllers to communicate over existing wiring.

Typical installations will involve installation of an LNL-1300 at each door, usually in place of existing MR/J or WIU boards. The LNL-1300 is installed in the existing junction box, and utilizes existing wiring both to the micro and to the reader.

Once the door has been converted with the LNL-8000-M5 and the LNL-1300, a wide range of readers can be connected. Readers using the SIA OSDP™ protocol provide reader supervision and tamper over existing wiring, as well as the option of encrypted communications using OSDP Secure Channel encryption. Wiegand protocol readers are also supported, with a wider range of card formats and options than supported by typical F2F readers or the WIU.

Using the LNL-8000-M5 also allows remote installation of other standard Lenel boards, such as the LNL-1320, LNL-1100, and LNL-1200 at up to eight separate locations. Legacy CASI M Series Boards cannot be mixed with Lenel M Series Boards. If converting M5 or M3000 controller to Lenel M Series, then all boards in that controller must be converted to Lenel M Series.



Details

- Lenel hardware for OnGuard, redesign to retrofit into legacy CASI controllers
- Replaces CASI 8RP, plug compatible
- Supports connection of standard Lenel hardware at remote end of existing wiring
- Upgrade readers from F2F to OSDP using existing wiring
- Must be used in conjunction with LNL-1300 or other standard Lenel door controllers or I/O boards
- By using an LNL-1300 at each reader/door location, a wider range of reader protocols can be supported, including Wiegand, Clock/Data, OSDP and OSDP Secure Channel when converting to OnGuard

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Technical specifications

System

Controller type	Migration Board
Software compatibility	FCWnx, OnGuard, PicturePerfect
Max. no. of memory	---
PCB only	Yes
LCD intrusion keypad	No

Readers/doors

Max. no. of doors	---
Max no. of readers	---

Communication

Bus interface	RS485
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Inputs/outputs

Max no. of inputs	---
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Electrical

Operating voltage	12 V
Power supply type	VDC
Power supply value	+/- 10% 350 mA
Power consumption	300 mA max per port
Current consumption	250 mA

Physical

Physical dimensions	89 x 260 x 18 mm
Net weight	113 g

Environmental

Operating temperature	0 to +50°C
Storage temperature	-55 to +85°C
Relative humidity	5 to 95% noncondensing

Standards & regulation

Compliance	CE, FCC, RoHS
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