

LNL-8000-M5

M Series Controller



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, OnGuard-ready 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.

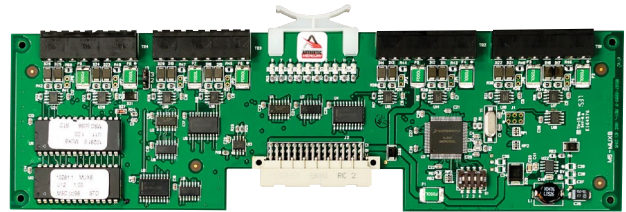
The LNL-8000-M5 is an optional replacement for the legacy CASI 8RP board (PN 110100501). The LNL-8000-M5 enables a wide range of new reader types to be connected via existing wiring. This is possible by allowing standard Lenel door controllers to communicate over existing wiring.

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.



Features & Functionality

- 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

LNL-8000-M5

Specifications

Power & Communications	
Primary Power	Supplied from LNL-3300-M5 or LNL-8000-MCOM via backplane, 12 VDC \pm 10% 350mA maximum, plus 300mA max per port
Communication Ports	Backplane: RS-485 Front: Eight (8) RS-485 ports via existing reader connectors Asynchronous 300, 1200, 2400, 4800, 9600, 19,200 or 38,400 bps
Connectivity	
Reader Ports	Through remotely connected LNL-1300, LNL-1320 boards
Inputs	Through remotely connected LNL-1300, LNL-1320, LNL-1100 and LNL-1200 boards
Outputs	Through remotely connected LNL-1300, LNL-1320, LNL-1100 and LNL-1200 boards
Cabling Requirements	Four-wire, 20AWG, 500 ft. (152m) maximum when powering LNL-1300; 3000 ft. (914m) maximum when connected equipment is powered locally
Mechanical	
Dimensions	W3.5 x L10.25 x H0.69 in. (W88.9 x L260.4 x H17.5mm)
Weight (w/o connectors)	4 oz. (113g)
Environmental	
Temperature Storage	-65°F to 185°F (-55°C to 85°C)
Temperature Operating	32°F to 158°F (0°C to 50°C)
Humidity	RHNC 5 to 95%
Standards	
	RoHS, FCC, CE

Ordering Information

Part No.	Description
LNL-3300-M5	Intelligent System Controller, 12 VDC @ 300mA; Size W4.56 x L10.25 x H0.8 in. (W115.8 x L260.4 x H20.3mm); RoHS
LNL-8000-MCOM	Power/Communications Module, Provides RS485 Comm & Power to Enclosure; Size W4.56 x L10.25 H0.8 in. (W115.8 x L260.4 x H20.3mm); RoHS
LNL-1320-2RP	Dual Reader Interface Module (Supports Wieg, Mag or SF2F Rdr); 12 VDC; 2 Rdr Interface; W/M 4 Inputs; 6 (5A) Form C Relays; RoHS
LNL-1320-S2RP	Dual Reader Interface Module (Supports Wieg, Mag or SF2F Rdr); 12 VDC; 2 Rdr Interface; W/M 4 Inputs; 6 (5A) Form C Relays; RoHS
LNL-1380-8RP	Eight Reader Interface Module (Supports SF2F Rdr); 12 VDC; 8 Rdr Interface; RoHS
LNL-8000-M5	Eight Door Multiplexer Module (Supports LNL-1300's at door); 12 VDC; RoHS
LNL-1200-16DO	Output Control Module; 12 VDC; 16 Driver Array Module; RoHS
LNL-1200-16DOR	Output Control Module; 12 VDC; 16 Relay Output Control Module; RoHS
LNL-1100-20DI	Input Control Module; 12 VDC; 20-zone Input Module; RoHS



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Specifications subject to change without notice.

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