

LNL-8000-MCOM

Overview

All boards in the Lenel M Series have been designed to facilitate the migration of legacy Picture Perfect, FCWnx, 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, removing legacy boards, inserting new Lenel M Series boards, plugging in field wiring, and powering up new controller which communicates to the OnGuard System.

LNL-8000-MCOM is used to support configuration of controllers that requires a head-of-line controller and serial downstream controllers. A LNL-8000-MCOM is used in each of the panels in this configuration. The LNL-8000-MCOM performs several functions in the head-of-line controller, including exposing the RS-485 communications bus from the head-of-line backplane and allowing that communications bus to extend to downstream units. In the downstream panels, the LNL-8000-MCOM accepts the plug connector from the legacy M5 Power/Comm board (PN:110064001) for the panel's power and tamper/AC Power Fail inputs. Thus, LNL-8000-MCOM makes power available to other boards plugged into the backplane in the downstream panel. The LNL-8000-MCOM also takes the RS-485 communications from the upstream panel and converts it to the local backplane for the Reader Panels (RPs) and Input/Output boards in the local panel. The RS-485 communications between the LNL-8000-MCOMs can reuse the wiring that was previously used by the legacy CASI Controller for serial communications (RS-422) between panels.

Lenel M Series Boards are Mercury Authentic, which means they are manufactured by, and conform to, Mercury Security SDK.

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

- Mercury hardware for OnGuard, redesigned to retrofit into Legacy CASI Controllers
- Provides communications link from head-of-line controller to downstream panels
- A single LNL-3300-M5 can support maximum of 32 board addresses
- Use of a LNL-8000-MCOM does not count as a board address
- Mercury Authentic Hardware

Power & Communications	
Power	Not applicable, power is passed through and supplies power to the M5 enclosure back plane
Communications Ports	Backplane: RS-485 External Port: two wire RS-485
Connectivity	
Reader Interfaces	N/A
Inputs	N/A
Outputs	N/A
Cabling Requirements	Power: 1 twisted pair, 18 AWG RS-485: 24 AWG, 4,000 ft (1,200 m) maximum, shielded twisted pair, 120 ohm impedance
Mechanical	
Dimensions	3.5" W x 10.25" L x 0.6" H (88.9mm W x 260.4mm L x 15.2mm H)
Weight (w/o connectors)	3.4oz (96.5g) nominal
Environmental	
Temperature Storage	-65°F to 185°F (-55°C to 85°C)
Temperature Operating	32°F to 158°F (0°C to 70°C)
Humidity	RHNC 5 to 95%
Cardholder capacity	N/A
Offline Transaction Buffer	N/A
Card Formats	N/A
Max Badge Length	N/A
Compliance Approvals	RoHS, FCC, CE, UL 294, UL 1076

Part Number	Description
LNL-3300-M5	Intelligent System Controller, 12 VDC @300mA; Size 4.56" W x 10.25" L x 0.8" H (115.8mm W x 260.4mm L x 20.3mm H) RoHS
LNL-8000-MCOM	Power/Communications Module-Provides RS485 comm & Power to enclosure; Size 4.56" W x 10.25" L x 0.8" H (115.8mm W x 260.4mm L x 20.3mm H) 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-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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