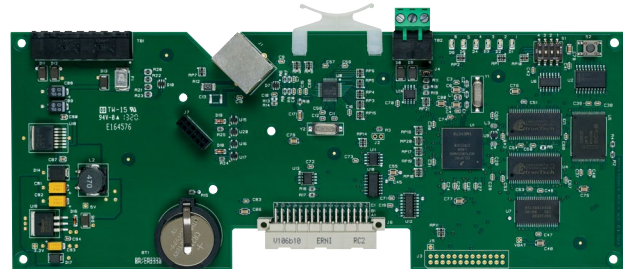


# LNL-3300-M5

## M Series Controller



### 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, inserting new Lenel M series boards, plugging in field wiring, and powering up new controller which communicates to the OnGuard System.

The LNL-3300-M5 is the CPU for the controller; it replaces a legacy M5/M3000 CPU (E, P, PX, PXN, PXNplus), and the legacy CASI Power/Comm Board (PN:110064001). The LNL-3300-M5 is plug compatible with 12 VDC power input, cabinet tamper input and AC power fail input from the legacy Power/Comm Board. The LNL-3300-M5 has an onboard 10/100 MB Ethernet connection, either static or DHCP IP addressing capability, and local database for real-time access control decisions and automatic schedule execution. The LNL-3300-M5 communicates through the M5/M3000 backplane to Reader Panel (RP) boards and to Input or Output Control boards attached to the backplane. Additionally, the LNL-3300-M5 has an external RS-485 communications port which can be used to communicate to either other M5/M3000 units with LNL-8000-MCOM in them, or standard Lenel hardware (LNL-1100, LNL-1200, LNL-1300, LNL-1320). LNL-3300-M5 can support a maximum of 32 board addresses.

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

- Mercury Hardware for OnGuard, redesign to retrofit into legacy CASI controllers
- Advanced Encryption Standard (AES) 128-bit algorithm for communication to reader and I/O modules
- AES128 or TLS1.1 (with AES256 support) communication to OnGuard
- Up to 240,000 local badge database
- Up to 256 access levels per badge
- Elevator control

# LNL-3300-M5

## Specifications

Power & Communications	
Power	External power supplies feed this device, power is passed through and supplies power to the M5 enclosure backplane LNL-3300-M5 power consumption: 12VDC ± 10% (300mA)
Communication Ports	Host Port: 10/100mb Ethernet Backplane: RS-485 External Port: two wire RS-485
Connectivity	
Reader Interfaces	N/A
Inputs	Two dedicated unsupervised inputs, Tamper and AC Power Fail
Outputs	N/A
Cabling Requirements	Power: 1 twisted pair, 18 AWG RS-485: 24 AWG, 4,000 ft. (1,200m) maximum, shielded twisted pair, 120 ohm impedance
Mechanical	
Dimensions	W4.56 x L10.25 x H0.8 in. (W115.8 x L260.4 x H20.3mm)
Weight (w/o connectors)	5.3 oz. (150g)
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%
Compliance Approvals	RoHS, FCC, CE, UL 294, UL 1076

## Ordering Information

Part No.	Description
LNL-3300-M5	Intelligent System Controller, 12 VDC @ 300mA; Size W4.56 x L10.25 H0.8 in. (W115.8 x L260.4 H20.3mm); RoHS
LNL-8000-MCOM	Power/Communications Module - Provides RS485 comm and power to enclosure; Size W4.56 x L10.25 x 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 port multiplexer. Allows connection of standard Lenel downstream reader interfaces (LNL-1300/LNL-1320) to support advanced functionality. Replaces 8RP.
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



[lenel.com](http://lenel.com)

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Specifications subject to change without notice.

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