LNL-1100-20DI

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.

The LNL-1100-20Di is the replacement for the legacy CASI 20DI board (PN:110072003). The LNL-1100-20DI supports 20 supervised inputs, with standard end of line supervision networks (1K ohm in series, 1K ohm in parallel).

Note: Each LNL-1100-20Di uses two board addresses.

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, redesign to retrofit into Legacy CASI Controllers
- Replaces CASI 20DI, field wiring plug compatible
- Supports 20 Supervised Input Points
- Mercury Authentic Hardware
# LNL-1100-20DI Specifications

## Power & Communications

### Power
- Supplied from LNL-3300-M5 or LNL-8000-MCOM via backplane, 12 VDC +/- 10% (165mA)

### Communications Ports
- Backplane: RS-485

### Connectivity

#### Reader Interfaces
- N/A

#### Inputs
- 20 inputs, Supervised, EOL: 1K Ohm in Series & 1K Ohm in Parallel, 1%/1/4 watt.

#### Outputs
- N/A

#### Cabling Requirements
- Alarm Inputs: 1 twisted pair per input, 30 ohms maximum loop resistance

### Mechanical

#### Dimensions
- 3.5" W x 10.25" L x 0.69" H (88.9mm W x 260.4mm L x 17.5mm H)

#### Weight (w/o connectors)
- 4oz (113g)

### 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

---

lenel.com

(866) 788-5095

Specifications subject to change without notice.

© 2014 Lenel Systems International, Inc. All rights reserved. All other trademarks and copyrights are the property of their respective owners.

LNL_TS_1100-20DI_063014