

LNL-R10330-05TB

LenelS2 BlueDiamond Mobile Ready Readers - Mini-Mullion Reader- Multi-Tech

Overview

The BlueDiamond™ platform offers a complete, next-generation access control experience. With multi-technology readers, a feature-rich mobile app and the ability to support mobile and physical credentials, organizations can upgrade to the BlueDiamond experience at their own pace.

BlueDiamond multi-technology readers are among the most versatile access control readers on the market, work seamlessly with existing infrastructures and leverage open credentialing standards. The readers are non-proprietary, access control platform agnostic and support standard output protocols including Supervised F/2F (SF/2F), Wiegand, OSDP™ and OSDP V2. When utilizing LenelS2 OnGuard®, NetBox™, and Elements™ access control systems, users can conveniently manage mobile credentials through a single system.

Supported technologies

Simultaneous support for a wide range of smart cards – including HID® iCLASS®, MIFARE® and DESFire® EV1, EV2 and EV3 – in addition to support for standard proximity cards means BlueDiamond multi-tech readers provide a seamless migration path from less secure card technologies to a more secure, open standard with DESFire EV1, EV2 and EV3 card technology and BlueDiamond mobile credentials. With both mobile-ready and mobile-enabled versions available within the BlueDiamond multi-tech reader portfolio, organizations can achieve enhanced security at their own pace. For organizations that are not ready for mobile credentialing, but want to have the flexibility to add it in the future, the BlueDiamond mobile-ready readers provide flexibility without the need to replace or add hardware. Mobile credentialing can be enabled within these readers through the purchase of a license. The BlueDiamond mobile-enabled readers are ready out of the box to support mobile credentials.

Mobile-ready readers can be upgraded to read mobile credentials through the purchase of a license without the need to add or replace hardware.

Mobile-ready readers come with the Bluetooth radio disabled and requires the BDC-UNLOCK and BDC-BLUETOOTH configuration cards to enable (sold separately).

Mobile-enabled readers support mobile credentials out of the box. Firmware updates, custom key loading and configuration changes via OSDP file transfer when BlueDiamond multi-tech readers are paired with the OnGuard access control system version 7.5 or greater, Mercury xSeries Controllers and Mercury Series 3 i/o boards. Wiegand, SF/2F or OSDP with or without secure channel encryption, auto-configuring with LenelS2™ access panels.



Details

- Reader is ready to support LenelS2 BlueDiamond™ Mobile Credentials via Bluetooth 4.0 low-energy
- Multi-tech models offer simultaneous support for: 125kHz proximity cards & 13.56MHz smart cards
- 125kHz proximity cards : - HID® Proximity - AWID® Proximity - CASI/GE Security ProxLite
- 13.56MHz smart cards : - Mifare® DESFIRE EV1/EV2/EV3 • Support for key diversification based on NXP standard • Support for NFC wallet-based credentials - Mifare Classic - ISO 14443, or secure sector data - Vicinity Card Serial Number - ISO 15693 - HID® iClass Classic or Standard, not Elite Key, SE or SEOS
- Wiegand or SIA OSDP with or without secure channel encryption, auto-configuring with LenelS2 access panels
- Mini-mullion format
- Fingerprint-resistant black textured finish
- Optical tamper switch
- Red/Green/Blue LED
- Read range up to 10cm (4 inches) for RFID cards, up to 9 meter (30 ft) for Bluetooth
- The BlueDiamond mobile app is available for iOS® and Android® devices, as well as the Apple Watch®.
- 5-year limited warranty

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Technical specifications

System

Reading distance	RFID cards 10 cm, Bluetooth 9 m
CSN (Card Serial Number)	Yes
Custom data model	Yes
Vicinity type	ISO15693
No. of LEDs	4
No. of covers included	1
RTE (Request To Exit)	Yes (only in SF/2F mode)

Technology

Reader type	Multi-frequency
Reader operating-transmitting frequency	125 KHz, 13.56 MHz
Supported technology 13.56 MHz	iCLASS (CSN), MIFARE Classic (CSN), MIFARE DESFire EV1 (CSN), MIFARE DESFire EV1 (custom data), Mifare DESFire EV2 (CSN), Mifare DESFire EV2 (custom data), MIFARE DESFire EV3 (CSN), MIFARE DESFire EV3 (custom data), Vicinity - ISO 15693 (CSN)
Supported technology 125 kHz	AWID Prox, GE ProxLite/CASI Prox, HID Prox
Supported technology 2.4 GHz	Mobile ready
Mifare type	ISO14443A
No. of Mifare bytes CSN	4 Bytes (non-unique), 4 Bytes (S50), 7 Bytes (S50), 7 Bytes (S70)
Read write	Yes
SAM module embedded	No

Interface & connections

Interface	Clock-data, OSDP V1, OSDP V2 Secure Channel, SF2F, Wiegand
Connector type	Terminal Strip

Tamper type

Pry-off tamper	No
Opening tamper	Yes

Operation

Stand-alone	Yes
PIN keypad	No

Electrical

Power supply type	VDC
Power supply value	10 to 16 VDC
Current consumption	35 mA @ 12 VDC (average) 67 mA @ 12 VDC (peak)
Data Voltage	Rest >4VDC / Active <1VDC
Indication	1 RGB LED
Sounder	Integral speaker

Physical

Physical dimensions	96 x 52 x 21 mm 3.8 x 2.1 x 0.8 in.
Net weight	91 g
Shipping weight	113 g
Colour	Black
Material	Polycarbonate / ABS
Form factor	Mini-Mullion
Mounting type	Surface mount

Environmental

Environment	Outdoor
Operating temperature	-35 to +65°C -31 to +149°F
Storage temperature	-35 to +65°C -31 to +149°F
Relative humidity	0 to 100% noncondensing
IP rating	IP 65

Regulatory

Compliance	CE, FCC, RoHS, UL 294, WEEE
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LenelS2 BlueDiamond Mobile Ready Readers - Mini-Mullion Reader- Multi-Tech

LNL-R11030-85TB	LenelS2 BlueDiamond Mobile readers - Bluetooth In-Line add-on reader- Mini-Mullion
LNL-R11320-05TB	LenelS2 BlueDiamond Mobile Enabled Readers - US Single Gang Reader- Multi-Tech
LNL-R11325-05TB	LenelS2 BlueDiamond Mobile Enabled Readers - US Single Gang Reader- Multi-Tech with keypad
LNL-R11330-05TB	LenelS2 BlueDiamond Mobile Enabled Readers - Mini-Mullion Reader- Multi-Tech
LNL-R10320-05TB	LenelS2 BlueDiamond - Mobile Ready Readers, Multi-Tech US Single Gang
LNL-R10325-05TB	LenelS2 BlueDiamond Mobile Ready Readers - US Single Gang Reader- Multi-Tech with keypad
LNL-R10330-05TB	LenelS2 BlueDiamond Mobile Ready Readers - Mini-Mullion Reader- Multi-Tech
BD-SPACER	Spacer for the mini-mullion BlueDiamond reader LNL-R1x330-05TB