

BlueDiamond™ Mobile Readers



Overview

Lenel® BlueDiamond Mobile readers are part of the complete BlueDiamond mobile solution, incorporating Bluetooth® 4.0 low-energy technology.

Simultaneous support for a wide range of smart cards and proximity cards means BlueDiamond Mobile readers provide a bridge from legacy plastic badges to cardless mobile access control, and allow seamless integration into existing locations.

Economical and flexible, BlueDiamond Mobile readers are ideal for enhancing freedom of movement in the workplace, allowing employees to have their access credentials on the smart devices they already carry. And because BlueDiamond Mobile credentials can be read from up to 30 ft (9M), this also makes the BlueDiamond Mobile solution well-suited for applications where long-read range is important.

The advanced multi-technology BlueDiamond Mobile readers are designed for surface mounting, and also fit onto a US, UK, or EU electrical back box. The units are made with polycarbonate/ABS plastic housing and include a shadow line back plate — a subtle design feature that makes the readers appear to float on the wall. An integral backlit keypad model is also available.

Security Industry Association (SIA™) Open Supervised Device Protocol (OSDP™) support and Secure Channel encryption provides continuous monitoring of reader state and operation, as well as data security between the reader and access panel, and simplified wiring. Wiegand and Clock/Data formats are also supported for interfacing with legacy systems.

The BlueDiamond Mobile line also has a unique Bluetooth-only add-on that allows any door with a Wiegand reader to be Bluetooth-enabled. Whether mounted near the door in an inconspicuous location, or adjacent to it, this device will update a legacy system with the latest technology, while continuing to support existing badges, regardless of the card technology or format.






Features & Functionality

- Support for Lenel BlueDiamond Mobile Credentials via Bluetooth 4.0 low-energy
- Multi-tech models offer simultaneous support for:
 - 125kHz proximity cards**
 - HID® Proximity
 - AWID® Proximity
 - CASI/GE Security ProxLite
 - 13.56MHz smart cards**
 - Mifare® DESFIRE EV1/EV2
 - Mifare Classic - ISO 14443
 - Vicinity Card Serial Number - ISO 15693
 - HID® iClass Card Serial Number (CSN)
- Wiegand or SIA OSDP with or without secure channel encryption, auto-configuring with Lenel access panels
- Slim profile
- Fingerprint-resistant black textured finish
- Optical tamper switch
- 5-year limited warranty

BlueDiamond™ Mobile Readers

Specifications

 Multi-Technology Mini-Mullion Reader LNL-R11330-05TB	 Multi-Technology Standard-sized Reader LNL-R11320-05TB	 Multi-Technology Standard-sized Reader with PINpad LNL-R11325-05TB	 Bluetooth-only Mini-Mullion Add-on Reader LNL-R11030-85TB
---	---	---	--

Mechanical				
Dimensions	3.8 x 2.1 x 0.8 in 96 x 52 x 21mm	4.2 x 3.0 x 0.8 in 120 x 76 x 21mm		3.8 x 2.1 x 0.8 in 96 x 52 x 21mm
Housing	Molded polycarbonate/ABS			
Finish	Black, textured, fingerprint resistant			
Mounting	Wall surface or standard US, UK, or EU switchbox			Anywhere within 10ft/3M of legacy reader
Environmental				
Operating Temperature	-31° - 149°F (-35° - 65°C)			
Humidity	0 - 100% RHNC			
Ingress Protection Rating	IP65			
Electrical				
Voltage	+5Vdc to +16Vdc			
Average Current draw at 12 VDC	35mA	35mA	67mA	12mA
Peak Current draw at 12 VDC	67mA	73mA	105mA	21mA
Data Voltage	Rest >4Vdc / Active <1Vdc			
Reader Interface	OSDP, Weigand, Clock & Data			Weigand, Clock & Data
Indication	1 RGB LED		1 RGB LED + illuminated keypad	1 RGB LED
Sounder	Integral speaker			
Read Range	Up to 4 in. (10cm) for RFID cards, up to 30 ft. (9m) for Bluetooth			
Certifications				

FCC Part 15 | UL294 | CE Marked | RoHS | WEEE

The BlueDiamond Mobile app is available for iOS and Android® devices, as well as the Apple Watch®.

Lenel BlueDiamond Mobile Bluetooth credentials require OnGuard 7.3 or higher.



lenel.com

(866) 788-5095

Specifications subject to change without notice.

©2017 United Technologies Corporation. All rights reserved. All trademarks are the property of their respective owners. Lenel is a part of UTC Climate, Controls & Security, a unit of United Technologies Corporation.

2017/01 (86430)