Bluetooth Access Reader

RD1BN

Key Features

- Mullion Mount Housing With Indicator Light and Buzzer
- Bluetooth Reading and MIFARE (IC) Card Reading
- RS-485/Wiegand/Bluetooth Communication Protocols
- IP66 Protection For Indoor and Outdoor Use

Certifications and Compliance

- NDAA Compliant
- FCC/FCC ID
- IC/IC ID

Learn More

View the Luminys access control product selector.

Overview

The **RD1BN** is part of Luminys's access control product range. Luminys access control solutions are built for flexibility, scalability, and reliability for applications of all sizes.

Key Technologies

Bluetooth credentialing technology offers secure, contactless access via mobile credentials, ideal for modern workplaces. Compatible with supported readers and the web controller.

Multi-credential capability allows for different authentication methods, such as card, PIN, or Bluetooth credentials (varies by model) to provide flexible and secure access control options. (Only available for Bluetooth and IC card swiping)

IP66 ingress protection ensures protection against dust and heavy rain, making it ideal for outdoor installations and rugged conditions.

Feedback indicators such as integrated LEDs and buzzers provide real-time audio and visual feedback during user interactions.

Mullion mount housing allows for sleek, unobtrusive security while still providing full functionality and security.

Specifications

Card Reading Functions

Card Type	IC (MIFARE)
Frequency Range	13.56 MHz
Maximum Transmission Power	42 dBm at 10 m
Verification Method	Bluetooth, Card
Response Time	0.1 s
Card Reading Distance	0 in. to 2.0 in. (0.0 cm to 5.0 cm)

Bluetooth Functions

Bluetooth Standard	**Mode:** BR/EDR/BLE **Version:** BT5.0/BT5.2/BLE4.0
Frequency Range	2400–2483.5 MHz
Maximum Transmission Power	**CE EIRP:** ≤ 20 dBm at 2400–2483.5 MHz **FCC Output Power:** ≤ 30 dBm at 2400–2483.5 MHz
Bluetooth Reading Distance (The reading range may differ depending on the phone model and the environment.)	**Short Range:** 0.7 ft (≤ 0.2 m) **Mid Range:** 6.6 ft (≤ 2 m) **Long Range:** 32.8 ft (≤ 10 m)

Interface

RS-485	One (1) Channel
Wiegand	One (1) Output Channel

Alarm

Event	Tamper

Electrical

Power Supply	12 VDC, 0.5 A
Power Consumption	• **Standby:** ≤ 0.9 W • **Working:** ≤ 1.7 W

Construction

Net Weight	0.1 kg (0.2 lb)
Gross Weight	0.2 kg (0.4 lb)
Product Dimensions (H × W × D)	5.3 in. × 1.6 in. × 0.6 in. (135.0 mm × 40.0 mm × 15.0 mm)
Package Dimensions (H × W × D)	**Inner Carton:** 7.7 in. × 3.0 in. × 2.1 in. (195.0 mm × 75.0 mm × 52.0 mm) **Outer Carton:** 16.3 in. × 15.8 in. × 9.1 in. (415.0 mm × 400.0 mm × 230.0 mm)
Operating Temperature	22 °F to 158 °F (-30 °C to 70 °C) 5% to 95% (RH), Non-Condensing
Protection Ratings	IP66
Material	Tempered Glass and PC
Installation Method	Surface Mount

Certifications and Compliance

Certifications	FCC/FCC ID, IC/IC ID
Compliance	NDAA

Dimensional Drawing

mm [in.]