

Waterproof Access Reader

RD1CW



Key Features

- Read and Issues MIFARE (IC) Cards
- Buzzer and Indicator Light
- RS-485 and Wiegand Communication Protocols
- IP66 Protection For Indoor and Outdoor Use

Certifications and Compliance

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

Learn More



Learn more about this product's key technologies.

View all compatible accessories for this product.

Overview

The **RD1CW** is part of Luminys's access control product range. Luminys access control solutions are built for flexibility and scalability and provide reliable, secure access for applications of all sizes.

Key Technologies

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

Multi-protocol support allows for flexible and secure access control options.

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

Specifications

Card Reading Functions

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

Interface

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

Alarm

Event	Tamper
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Electrical

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

Construction

Net Weight	0.2 kg (0.4 lb)
Gross Weight	0.4 kg (0.8 lb)
Product Dimensions (L × W × H)	5.3 in. × 1.6 in. × 0.6 in. (135.0 mm × 40.0 mm × 15.0 mm)
Package Dimensions (L × W × H)	Inner Carton: 7.3 in. × 6.4 in. × 2.8 in. (185.0 mm × 163.0 mm × 71.0 mm) Outer Carton: 22.8 in. × 15.1 in. × 13.7 in. (578.0 mm × 383.0 mm × 349.0 mm)
Operating Temperature	-22 °F to 158 °F (-30 °C to 70 °C) 5% to 95% (RH), Non-Condensing
Protection Ratings	IP66
Material	PC and Acrylic
Installation Method	86 Case Mount, Surface Mount

Certifications and Compliance

Compliance	NDAA, FCC/FCC ID, IC/IC ID
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Dimensional Drawing

mm [in.]

