

**CONNECTIVITY**

Simplified installation with two wires for data and two wires for power.

**SECURITY**

Encrypted, bi-directional handshake with a secure app in a restricted credential range.

**LONG RANGE**

Compatible with approved long-range BLE credentials.

**REMOTE ENROLLMENT**

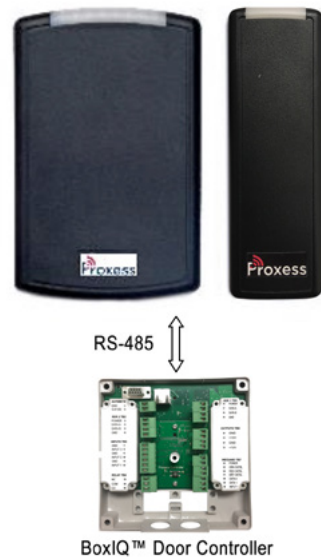
Enroll new users and configure new and existing credentials at remote locations. No local PC is required. Just provide a network connection to the controller.

**RE-AUTHORIZATION**

Option to enforce a card presentation at an on-line reader to re-authorize the cards at offline locksets.

**ENCRYPTION & MORE**

Hacking of all Wiegand communications and traditional Prox and Mifare cards and readers have been well publicized. Proxess' Network-on-Card, proprietary embedded app and bi-directional handshake along with ISO encryption technologies virtually eliminate these threats.



Proxess balances simplicity, flexibility and security throughout our product line and our online card readers exemplify this standard.

The RoxIQ™ reader line reads both the most secure Mifare DESFire EV2™ credentials and BLE (Bluetooth Low Energy) near and long-range credentials. Proxess credentials are provided in a restricted range, to which we add a proprietary app and encrypt all read-write data using AES128 standards. Further, communications between the reader and the controller are encrypted, bi-directional handshakes using RS-485. Nothing is more secure.

Combined with data entry in the AxessIQ™ software, the RoxIQ™ readers can be used as an enrollment reader. This allows encoding and editing of new or existing cards at remote sites from the system software and computer.

To enhance our most cost-effective security solutions, Proxess promotes installing our LoxIQ™ locksets

throughout a building interior. With a software checkbox, credentials can be de-authorized from entering those locksets for a user definable time until the card is presented at a RoxIQ™ online reader to be re-authorized. This added security layer defeats many tailgating scenarios and can eliminate the constant area-resets that are associated with hard anti-passback features on other systems.

For security desk verifications, any client computer may be set to view the stored photos of real-time card swipes at a selected reader.

Long-range BLE credentials, typically used for vehicle gate applications are also supported.

**FEATURES**

- **Dual-technology, encrypted Mifare DESFire EV2 and BLE (Bluetooth Low Energy)**
- **Secure, bi-directional RS-485 communication with the door controllers**
- **Encrypted read/write handshake with Proxess credentials**
- **Authenticates within a restricted credential range with a secure embedded application layer**
- **Re-authorization hot-spot for interior offline doors defeats tailgating and eliminates hard anti-passback reset issues**
- **Remote user enrollment and credential configuration option**
- **Availability with long range credentials**
- **Uploads lockset (LoxIQ™) transactions and encrypts updates for those locksets onto credentials**

**MODELS**

RX-MU1 Mullion Mount  
RX-SG1 Single Gang Box Size



COMMUNICATION	
Close Read Range	1" to 4", Credential Dependent (13,56 & BLE)
Long Read Range	BLE, 2.4GHz
Reader to Door Controller	1,000 feet
Visual Indicator	Tristate LED Bar (Red, Green, Amber)
Audible Indicator	"Beep"

WIRING	
RS-485	2-wire, 115Kbps
Power	12 VDC, 150 mA max.

Environment	
Operating Temperature	-40°C - +70°C -40°F - +158°F
Moisture Resistance	IP65 Outdoor Rated
UL294	Pending
FCC	Part 15 Certified
IC	RSS
CE	Certified
EMC Testing	EN301489, EN302291

CREDENTIALS SCOMPATIBILITY	
Mifare DESFire EV2™ (with Proxess App)	13.56MHz
BLE (Bluetooth Low Energy) (Proxess Approved)	2.4GH

HARDWARE	
Housing	ABS Plastic
Backplate	Metal (SECC)

DIMENSIONS	
<b>MULLION</b>	
Height	5.1" (130mm)
Width	3.3" (83mm)
Depth	0.8" 18mm)
Pigtail	18" (456mm)
<b>SINGLE-GANG BOX (with and without Keypad)</b>	
Height	5.1" (130mm)
Width	1.7" (43mm)
Depth	0.8" 18mm)
Pigtail	18" (456mm)

**COMPATIBILITY**

Proxess RoxIQ™ bi-directional, read-write readers connect via RS-485 to the controllers, future-proofing your infrastructure investment.

**SECURITY**

Proxess communications utilize encrypted handshakes to both the controllers and the credentials. Our restricted range credentials add a secured app and are read-write for dynamic data transfers from field hardware.

**FORCED RE-AUTHORIZATION**

With Proxess' simplified anti-passback alternative, one checkbox forces card-holders to use an online\ chokepoint reader for their credential reauthorization, programmable from one day to many years.

**VERSATILITY**

Proxess certified BLE fob and mobile credentials can be read up to 100 feet away. Software checkboxes allow enrollment functions at remote sites, or photo pop-up at a local security desk client software.