# 3millID™

Joel Filipe-unsplash.co

Designed to embrace cutting-edge RFID technologies in stylish and innovative designs, the **3millID** range of advanced access control readers present a refreshing breakthrough in the access security marketplace.
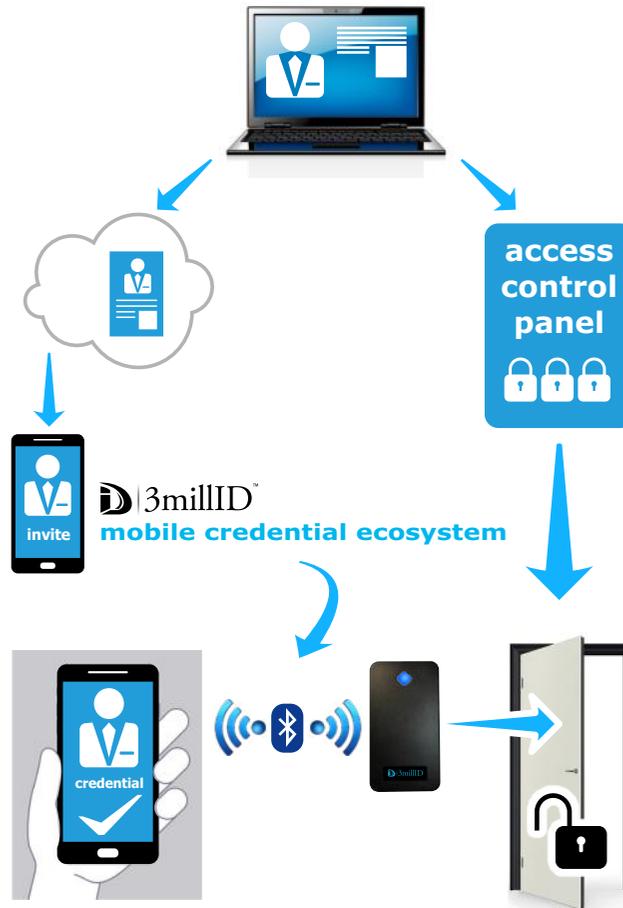
## mobile reader family 3millID™

After years of providing access card solutions, **3millID** presents its new mobile credential and reader technology, bringing the power of access control to your mobile device. Utilizing a proven Bluetooth® technology platform with millions of credentials already deployed, this new reader lineup supports multiple 13.56MHz smart cards and 125kHz proximity cards, and Bluetooth credentials (see key features) in addition to the revolutionary *Inline* reader which allows for the addition of Bluetooth capability to any existing Wiegand reader in your current access control system.

**credential**

**NXP** MIFARE®    13.56MHz
LEGIC®    125kHz

3millID™

www.3millid.com

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Bluetooth is a registered trademark of Bluetooth SIG

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**invite**

3millID™
**mobile credential ecosystem**

**access control panel**

**credential**

### How the credential ecosystem works

With **3millID**'s Mobile Reader Family people can conveniently use their smartphone for access. The **3millID** cloud delivers a secure credential to a smartphone causing the phone to behave like a typical access card presented to any door equipped with a **3millID** mobile reader connected to an access control system.

### Benefits

- Increase security with encryption and two factor authentication.
- Reader range up to 30 feet (depends on environment).
- Reduce administration cost for credential deployment.
- Improve productivity by eliminating lost badges.
- Credentials may be transferred and reused multiple times.

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## key features

- Bluetooth® 4.0 low energy
- 125kHz Proximity
- High Security DESFire®EV1/EV2
- Fine texture finish
- Slim profile
- RGB LED
- RGB illuminated keypad (where applicable)
- Wiegand or Clock and Data
- Terminal strip connection to reader (not pigtail)

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**FC**
2AKUW-AV00
2AKUW-AV90

These devices comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**SECURITY**
**UL LISTED**
EQUIPMENT
BP2108

**CE**
These RFID proximity readers comply with the essential requirements and relevant provisions of:
EU Directive 2014/53/EC

**RoHS compliant**
Together with information provided by suppliers and subcontractors, these devices comply with the requirements and relevant provisions of:
EU Directive 2011/65/EC.

This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility to dispose of your waste equipment by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment. By separating and recycling your waste equipment at the time of disposal you will help to conserve natural resources and ensure that the equipment is recycled in a manner that protects human health and the environment.
EU Directive 2012/19/EU

# 3millID™

## Your Stocking Distributor:
### cramZ marketing services, Inc.
### (770) 529-1040
### sales@cramzmarketing.com

**cramZ**
marketing services
specializing in RFID - Physical
Security - Access Control
Parking - LED Signage
Solutions

# mobile reader family

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## SPECIFICATIONS

### performance level for access control

This product complies with the following UL294 Access Control Performance Levels:

| | | |
|---|---|---|
| Destructive Attack | Level 1 | |
| Line Security | Level 1 | |
| Endurance | Level 4 | Prox |
| | Level 1 | Bluetooth |
| Standby Power | Level 1 | |

See the UL Listed access control unit controller installation instructions for reader compatibility.

### environmental

| | | |
|---|---|---|
| Operating Temperature | -31°F to + 151°F | (-35°C to +66°C) |
| Humidity | 86 ±3°F | (85 ±5% at 30 ±2°C) |
| Ingress Protection | IP65 | (not evaluated by UL) |
| Positioning | Suitable for OUTDOOR use. | |

### electrical

| | |
|---|---|
| Power supply | Power is to be provided by a UL294 Listed, low-voltage Class 2 power limited supply or control panel, capable of 4 hours standby. |
| Voltage | +10Vdc to +16Vdc |

Current: maximum average measured at 10Vdc

| Model | Part No. | Normal Standby | Operating |
|---|---|---|---|
| 3M Inline | 3MIL-R11030 | 25mA | 40mA |
| 3M Mullion | 3MIL-R11330 | 60mA | 75mA |
| 3M S-Gang | 3MIL-R11320 | 60mA | 75mA |
| 3M S-Gang Keypad | 3MIL-R11325 | 65mA | 100mA |

| | |
|---|---|
| Data Voltage | Rest >4Vdc / Active <1Vdc |
| Data Output | Wiegand, Clock & Data, Custom Outputs |
| Indication | 1 RGB LED (+ RGB LED illuminated keypad to 3MIL-R11325) |
| Sounder | Integral speaker |

### dimensions

| Model | Part No. | Size - Inches        ( millimetres ) |
|---|---|---|
| 3M Inline | 3MIL-R11030 | 3.8 x 2.1 x 0.8 in (  96 x 52 x 21 mm ) |
| 3M Mullion | 3MIL-R11330 | 3.8 x 2.1 x 0.8 in (  96 x 52 x 21 mm ) |
| 3M S-Gang | 3MIL-R11320 | 4.7 x 3.0 x 0.8 in ( 120 x 76 x 21 mm ) |
| 3M S-Gang Keypad | 3MIL-R11325 | 4.7 x 3.0 x 0.8 in ( 120 x 76 x 21 mm ) |

### polymeric materials

| | |
|---|---|
| Potting compound | UL R/C (QMFZ2) |
| Mouldings | UL746C |

### wiring

**Wiring methods shall be in accordance with the National Electrical Code (ANSI/NFPA70), local codes, and the authorities having jurisdiction.**

| | |
|---|---|
| Recommended cable | BELDEN 953x (or equivalent UL listed) for Wiegand. |
| | BELDEN 9502 (or equivalent UL listed) for RS485. |
| | All cable and wiring must be Listed and suitable for use. |
| Cable length | Up to  492 feet (150 m) from controller. |
| Minimum recommended wire size | Not less than 24 AWG. |

### reader connections

These connections are common to all readers in the series.

| | | | |
|---|---|---|---|
| 1 | - | 0V | Supply voltage ground |
| 2 | - | +Vdc | Supply voltage (+10Vdc to +16Vdc) |
| 3 | - | DATA1/CLK | Wiegand or Clock/Data output |
| 4 | - | DATA0/DAT | Wiegand or Clock/Data output |
| 5 | - | GREEN | Green LED control input |
| 6 | - | RED | Red LED control input |
| 7 | - | Buzzer | Buzzer control input |
| 8 | - | TMPR/CP | Tamper or Card Present output |
| 9 | - | RS485- | RS485 Bus |
| 10 | - | RS485+ | RS485 Bus |

**3M Inline**

Bluetooth® + 125kHz
Proximity augment reader

**3MIL-R11030**

(Mount near door opening
of legacy reader to provide
best read range)

**3M S-Gang Keypad**

Bluetooth®
Multiple technology
single gang reader
with PIN entry

**3MIL-R11325**

**3M S-Gang**

Bluetooth®
Multiple technology
single gang reader

**3MIL-R11320**

**3M Mullion**

Bluetooth®
Multiple technology
mullion reader

**3MIL-R11330**

The *3millID* Mobile app is available for iOS and Android® devices, as well as the Apple Watch®.

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