

Bluetooth Multi- Technology Readers and “Virtual” Credentials

Upgrade and
Simplify Door
and Gate Access



Simplify Gate and Door Access

Bluetooth/Prox/Smart Card Readers

No Tags, Badges or Stickers Needed via Bluetooth

Easy Addition to Existing Wiegand Reader Systems



Issue and Manage Credentials from the Cloud

Simultaneously Supports All the Following:

- 125 kHz Prox – HID, AWID, Casi Lite
- 13.56 MHz Smart Cards – MiFare ISO 14443, DESFIRE, ISO 15693

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

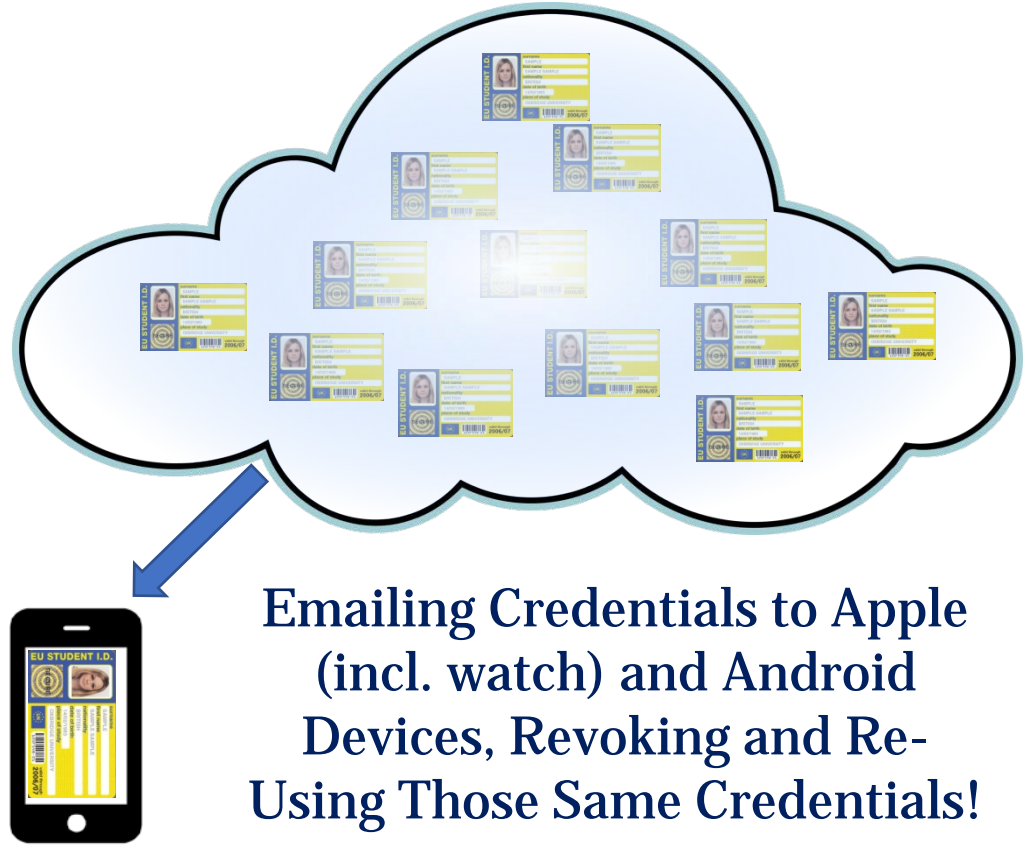


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Bluetooth Multi- Technology Readers and “Virtual” Credentials

Credentials
Loaded into
Cloud Portal
and Issued via
Email

Imagine Being Able to Manage
Credentials for Your Access Control
System From a Secure Cloud Portal!



Emailing Credentials to Apple
(incl. watch) and Android
Devices, Revoking and Re-
Using Those Same Credentials!



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Bluetooth Multi- Technology Readers and “Virtual” Credentials

4 Reader Styles

R11-030 Inline

R11-330 Mullion

R11-320 SG

R11-325 SG w/KP



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Bluetooth Multi- Technology Readers and “Virtual” Credentials

R11-030 Inline

3.8 x 2.1 x 0.8 inch



R11-030 Inline Reader

- Bluetooth and Multi-Prox Capable
- **Connect to existing Wiegand output readers**
- Enable legacy systems w/ Bluetooth and continue to use legacy credentials
- Certifications = UL294, FCC Part15, CE, RoHS



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Bluetooth Multi- Technology Readers and “Virtual” Credentials

R11-330 Mullion

3.8 x 2.1 x 0.8 inch



R11-330 Mullion Reader

- Bluetooth, Multi-Prox and Smart Card Capable
 - Prox = HID, AWID, CasiLite, 3mill Prox
 - Smart card = ISO14443, ISO15693, MiFare

DESFire®EV1/EV2

- Certifications = UL294, FCC Part15, CE, RoHS



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Bluetooth Multi- Technology Readers and “Virtual” Credentials

**R11-320 SG
(Single Gang)**

4.7 x 3.0 x 0.8 inch



R11-320 Single Gang Reader

- Bluetooth, Multi-Prox and Smart Card Capable
 - Prox = HID, AWID, CasiLite, 3mill Prox
 - Smart card = ISO14443, ISO15693, MiFare

DESFire®EV1/EV2

- Certifications = UL294, FCC Part15, CE, RoHS



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Bluetooth Multi- Technology Readers and “Virtual” Credentials

**R11-325 SG w/KP
(Single Gang
w/Keypad)**

4.7 x 3.0 x 0.8 inch



R11-325 S/G with Keypad Reader

- Bluetooth, PIN, Multi-Prox & Smart Card Capable
 - Prox = HID, AWID, CasiLite, 3mill Prox
 - Smart card = ISO14443, ISO15693, MiFare
DESFire®EV1/EV2
- Certifications = UL294, FCC Part15, CE, RoHS

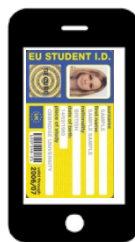


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Bluetooth Multi- Technology Readers and “Virtual” Credentials

Credentials
Loaded into
Cloud Portal

A Web Based Portal is Created for the
End User and Credentials, When
Purchased, Are Loaded into the Portal



Secure Credential is “Assigned”
via Email Message to User


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



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Issuing the Credentials From the Portal

The screenshot shows a web browser window displaying the Security Center portal. The page title is "Manage Credentials" with a subtitle "View, Search and Manage Credentials". There are two orange buttons at the top right: "Import Credentials" and "Incinerate Credentials". Below these is a search bar with the text "Search by Box Name or Facility Code". The main content area is a table with the following columns: "Box Name", "Facility Code", "Current Reseller", "Badge Range and Count", "Remaining Keys", "Last Issued On", and "Issue". The first row of data is: "cramZ Demo Credentia ...", "13", "Vincent Security", "(100 - 109) 10", "6", "Sep 27 2017 08:48 PM ...". A red arrow points to the "Issue" icon in the last column of this row. A dropdown menu is visible next to the arrow, showing "NETGEAR21 Internet access" and "Network Internet access".

Box Name	Facility Code	Current Reseller	Badge Range and Count	Remaining Keys	Last Issued On	Issue
cramZ Demo Credentia ...	13	Vincent Security	(100 - 109) 10	6	Sep 27 2017 08:48 PM ...	

Step 1: Click on the ISSUE icon

Issuing the Credentials From the Portal

The screenshot shows a web browser window displaying the Security Center portal. The page title is "Manage Credentials" and the sub-header is "View, Search and Manage Credentials". The main content area is titled "Issue Credentials" and contains a form with the following fields:

- Badge ID: <Next Badge ID>
- First Name*: Enter First Name
- Last Name: Enter Last Name
- Email ID*: Enter Email ID
- Installation Credential
- Box of Cards: cramZ Demo Credentials
- Facility Code: 13
- Remaining Keys: 6
- Confirm Email ID*: Confirm Email ID

At the top right of the form, there are two buttons: "Cancel" and "Issue". The "Issue" button is highlighted in orange. Red arrows point from the bottom of the screen to the "First Name" and "Email ID" input fields, and another red arrow points from the bottom to the "Issue" button.

Step 2: Enter Name and Email Address

Step 3: Click ISSUE Button

Actual email from “Portal” to Credential Recipient

Hi Doug,

Here is your new **Mobile Credential!** Your Badge ID is 55678 . Please follow these simple steps to activate and start using 3millID Demo mobile application:

Install 3millID Demo mobile application on your phone.

[Install iPhone App](#)

[Install Android App](#)

Click the Activate link below to automatically launch 3millID Demo mobile application and activate your credential. **WARNING:** if the link below is just text (not clickable link), then you must manually start the 3millID Demo mobile application and then enter the URL and Authorization code given below:

Activate your phone

Server URL: key.credentialserver.com

Authorization Code: 54HVCC3HP4YU5K6CTVEJZE57IQ

Your badge is ready to use!

Your actual access rights will be setup by your Security System Administrator.

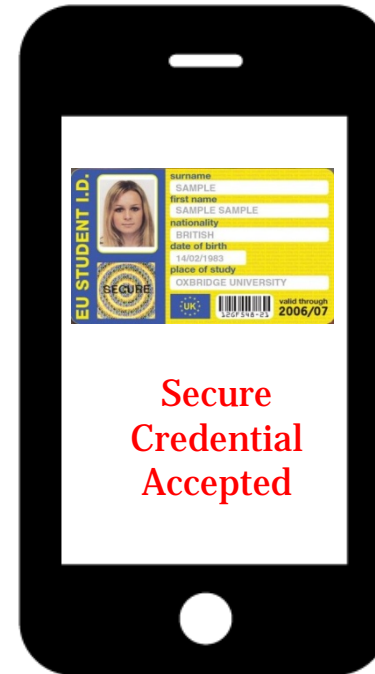


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Bluetooth Multi- Technology Readers and “Virtual” Credentials

Credentials
Loaded onto
Phone

Once User “Accepts” Credential, it Resides
on Their Smart Phone Like an Access Card



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Bluetooth Multi- Technology Readers and “Virtual” Credentials

Phone and
Reader
“Discover”
Each Other

Phone and Reader “Discover” Each Other when in Range (typically 25 to 30 feet)

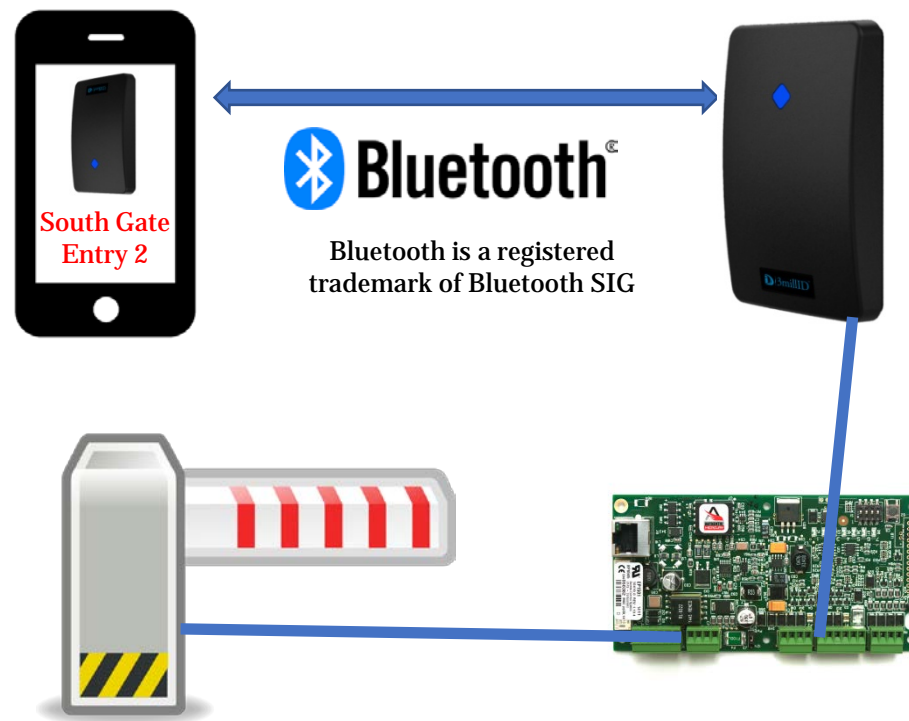


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Bluetooth Multi- Technology Readers and “Virtual” Credentials

Wiegand
Credential Data
Transmitted

Tapping Icon Securely Transmits Encrypted Credential to Reader Which Transmits to Access Panel Which Opens Gate/Door



 3millID™

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

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Bluetooth Multi- Technology Readers and “Virtual” Credentials

Benefits of Virtual Credentials



- **Credential Issuance with a Single Email**
- **Reusable/Re-assignable Credentials**
**Perfect Solution for Event Access,
Temporary and Transient Parking**
- **Issue and Revoke from Mobile Devices**
- **Renewable on an Annual Basis**
- **Add More Credentials as Necessary**



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Bluetooth Multi- Technology Readers and “Virtual” Credentials

Benefits of Virtual Credentials



- No More Stickers to Issue or Mail
- Eliminate all Tag Mounting Hassles
- No More Unsightly Windshield Tags
- Temporary Credentials Issued in Seconds
- NEW FEATURE! Reader Range can be Adjusted During Reader Commissioning!



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