

# SMB Credential Technologies

A credential is required to gain access at a locked door or disarm an area. Choosing the right credential technology is important. Let Gallagher help guide the way.

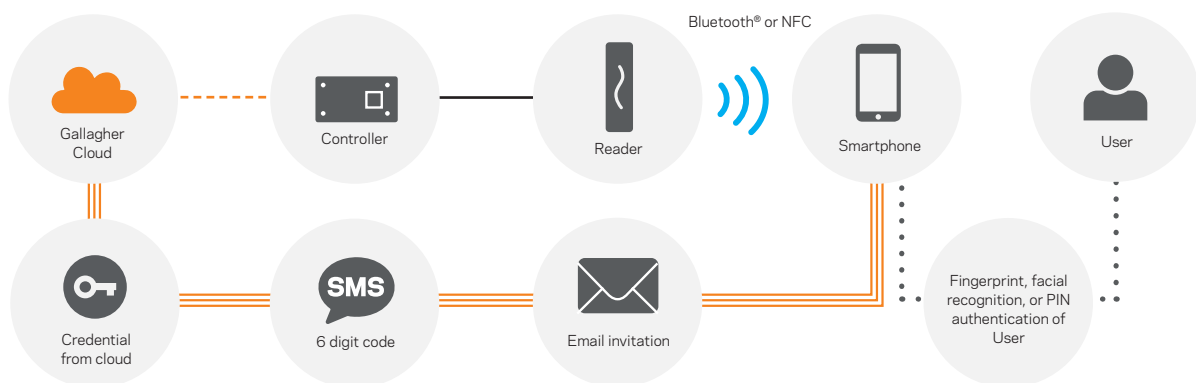
## Mobile Credentials

Gallagher SMB is a mobile-first security solution. Mobile credentials offer unparalleled convenience for both administrator and user. Utilizing a device, the user already has, an administrator need not order, purchase, or distribute physical access credentials ever again.

Gallagher SMB mobile credentials come from Gallagher's award-winning Mobile Connect credentialing solution. Mobile credentials are provisioned using the Gallagher SMB app, meaning an administrator can invite a user into the system

from anywhere, at any time. There is no limit to the number of mobile credentials that can be provisioned per site. The user will receive an email invite, download the Gallagher SMB app, and register their credential.

The user can then request access by presenting their smartphone at the door's reader. iOS smartphones communicate with the reader using Bluetooth®. Android smartphones communicate with the reader using NFC or Bluetooth®.

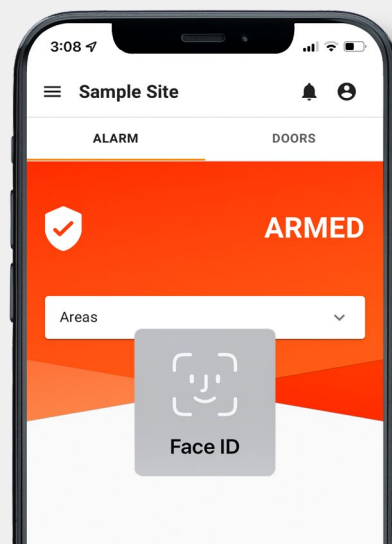


## Two Factor Authentication

Two factor authentication ensures the person is who they claim to be. It prevents an unauthorised user from disarming the site.

Two factor authentication requires two factors; something the user has (smartphone or card), and something the user knows (PIN/Password) or are (biometric data). Credentials are stored securely on the smartphone using FIDO open standard security.

Two factor authentication is always required to disarm. If the area behind the door is already disarmed, a user need only present their smartphone like an access card to request access at the door. The smartphone must host the Gallagher SMB app with a valid mobile credential for the site.



## Key Tags

Gallagher SMB Key Tags use MIFARE® DESFire EV2/EV3 4K technology within a keyfob. Constructed using an overmolding process and PA6 industrial grade plastic, they are waterproof, robust, and cost-effective.

Laser engraved, they offer an elegant and convenient physical credential solution. An SMB Key Tag can be attached to a key ring, lanyard, or placed in a smartphone case.

### MIFARE DESFire EV2/EV3

The MIFARE® DESFire EV2/EV3 platform represents the highest security available in access card technology currently. It is more secure than 125kHz and MIFARE® Classic. It has evolved from the MIFARE® DESFire EV1 platform, providing a secure, flexible credential, with an improved read range compared to that of MIFARE® DESFire EV1.

### Custom Encoding

Gallagher SMB Key Tags are encoded using an NFC enabled smartphone, running the Gallagher SMB app. A user with elevated privileges must authenticate themselves prior to encoding a tag. When encoded, a site-specific application is stored securely on the tag, meaning the tag can only be used on the site it was encoded for. Multiple layers of security prevent tag cloning. The tag's unique serial number is available for use by third-party systems.

### A multi-site solution

The tag must be encoded per site. If the same user (confirmed as the same user) exists on another SMB site, the additional site's application must be encoded on the tag. Up to 27 site applications can be stored on an SMB Key Tag.



## Technical Specifications

Mobile Credentials	
Quantity	Unlimited
Supported devices	Apple devices iOS 12.0 or later Android devices v6.0 (Marshmallow) or later and Chrome browser version 70 or later
Key Tags	
C500470 - SMB Key Tag x10 - Black	MIFARE® DESFire EV2/EV3 4K black pear shaped keyfobs
C500471 - SMB Key Tag x10 - White	MIFARE® DESFire EV2/EV3 4K white pear shaped keyfobs
Dimensions (length x width x depth)	45mm x 30mm x 2.2mm
Temperature (operating and storage)	-25° - 85°C (-13° - 185°F)
Environmental rating	IP68
Weight	3g
Supported devices	iPhone 7 or later and iOS 13 or later. NFC capable Android devices.

\*MIFARE Classic, MIFARE Plus, MIFARE DESFire EV1 and MIFARE DESFire EV2 are registered trademarks of NXP B.V.

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