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®.
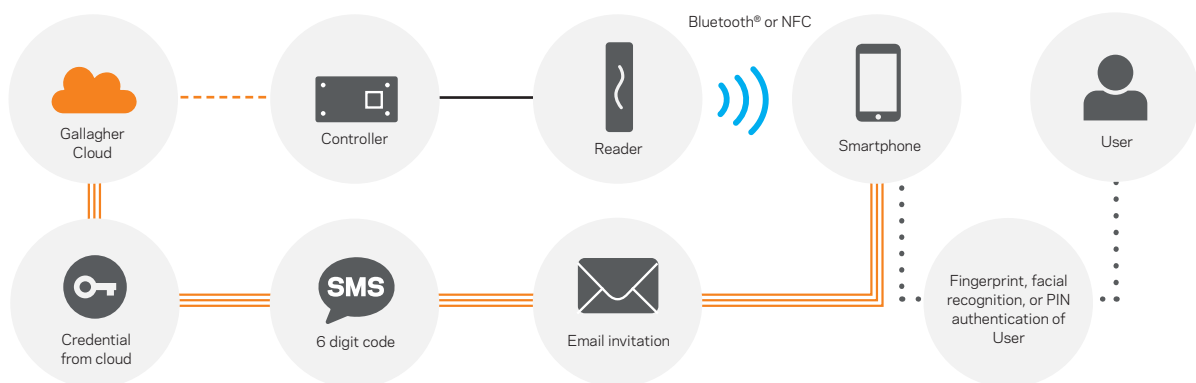

Two Factor Authentication

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.

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.

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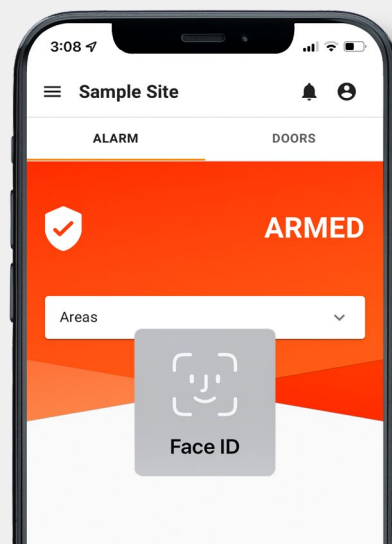
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SMB Key Tags & SMB Cards

Gallagher SMB Key Tags use MIFARE® DESFire 4K EV2/EV3 technology within a keyfob. The Key Tags are constructed using an over-molding 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.

SMB cards use MIFARE® DESFire ISO CARD 4K EV3 technology.

MIFARE DESFire EV2/EV3

The MIFARE® DESFire EV2/EV3 platform represents the highest security currently available in access card technology. 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.

A multi-site solution

The tag or card 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 or card. Up to 27 site applications can be stored on an SMB Key Tag or SMB Card.

Custom Encoding

Gallagher SMB Key Tags and SMB Cards 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 or card. When encoded, a site-specific application is stored securely on the tag or card, meaning it can only be used on the site it was encoded for. Multiple layers of security prevent cloning. The unique serial number is available for use by third-party systems.

SMB User Codes

Gallagher SMB User Codes are unique 6-digit codes generated via the SMB app. A user with Site Manager privileges can generate each user of their site a code, which can be used to disarm an area (if the user has the required privileges) and gain access. User Codes are generated during the user creation process or by editing an existing user's credentials. User Codes can also be instantly deleted directly from the SMB app. To enable SMB User Codes, a Gallagher T30 Keypad is required.

Technical Specifications

Mobile Credentials	
Quantity	Unlimited
Supported devices	Apple devices iOS 11.0 or later Android devices v5.0 (Lollipop) 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

SMB Cards	
C500472 - SMB Cards x10	MIFARE® DESFire ISO CARD 4K EV3
Dimensions (length x width x depth)	85.7mm x 54.0mm x 0.76 – 0.84mm
Temperature (operating)	-10° – 50°C (14° – 122°F)
Temperature (storage)	-25° – 50°C (-13° – 122°F)
Supported devices	iPhone 7 or later and iOS 13 or later. NFC capable Android devices.

SMB User Codes	
Quantity	Unlimited
Supported functionality	Access and disarming (arming via User Code is not available)
Supported devices	Apple devices iOS 12.0 or later Android devices v6.0 (Marshmallow) or later and Chrome browser version 70 or later

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

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