Imagine replacing all your current plastic cards and door keys with only a single card, and using this card for fare payments, purchases at vending machines, making phone calls, gaining access at locked doors, banking and countless other applications. Mifare cards now provide you with the ability to perform all these activities using a single card.

SiPass allows you to harness the full potential of Mifare card technology, by providing all the tools necessary to print and encode Mifare cards in a single pass. SiPass allows you to easily encode a complete Mifare card including access control information and data used for other applications at the same time. Once encoded in SiPass and assigned to a user, Mifare cards can then be used in the same way as any standard proximity card to gain access at doors in a facility controlled by SiPass.
Features

- MIFARE encoding compatible
- Encode access control information and information for third party applications
- Support for multiple Mifare card profiles
- Assign different profiles to individual users
- Configure the information to be written to each sector / block
- Write multiple sectors / blocks simultaneously
- Support for multiple data types and formats
- Ability to configure custom access control formats
- Complete read and write encryption key management

Description

The SiPass Mifare encoding functionality has been carefully engineered so that it can be easily integrated with the already popular SiPass card design and printing option. This means that you can encode Mifare cards on demand, complete with cardholder photograph, signature, and logo using a customized template for each cardholder enrolled in your system. You can also simply just encode a Mifare card using a personalization reader.

SiPass allows you to create an entire Mifare card profile. This profile includes a definition of the information that is to be encoded in each sector / block available on the Mifare card. Once a profile has been configured, it can be easily assigned to a cardholder’s permanent record. Whenever that card is printed, or the option to encode the Mifare card using a personalization reader is chosen, the card is encoded with the data configured in that profile.

You decide the format of the information encoded on the card, the sector to which it is encoded and the exact bits to be used to hold the information. You can also take the information directly from a SiPass cardholder field, including custom fields.

SiPass also allows you to read card numbers pre-encoded onto a Mifare card. By simply using a personalization reader, the number stored on a Mifare card can be read, and automatically assigned to a cardholder. This avoids the unnecessary manual entry of long card numbers, which could easily lead to operator error and wasted time.

SiPass also provides the tools necessary to manage the secure keys for each sector on a Mifare card. This provides you with the power to define both a Key A and Key B for each sector and then set the conditions of the key, whether it is used to read or write data to the card. This provides a highly secure environment to protect data encoded onto your cards.

Finally, SiPass allows you define the format of the data encoded for access control purposes. You can select one of the standard access control formats supported by SiPass, or additionally encode your own custom format. This includes the data length, company and facility code details, card number and length and the parity conditions if required.
Specifications

**Smart Cards Supported**
MIFARE compatible smart cards

**Personalization (Encoding) Readers Supported**
HID 6055B Smart Card Reader
GEMPLUS GCI680 Encoding Modules

**Smart Card Formats Support for Access Control with SiPass**
Industry Standard Wiegand 26-bit
MIFARE Facility (Siemens Proprietary)
Wiegand 37-bit
CSN 32-bit
CSN 40-bit

**System Requirements**

One of the following core packages is required:

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<td>6FL7820-8AA10</td>
<td>SiPass Standard Edition</td>
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<td>ASL5000-OA</td>
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**Details for ordering**

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<tbody>
<tr>
<td>ASE5300-ME</td>
<td>6FL7820-8AE20</td>
<td>SiPass Mifare Encoding</td>
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