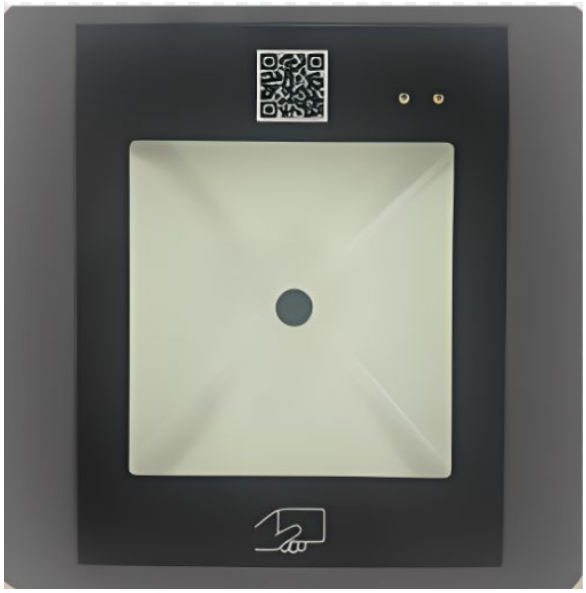
2026-06-19



QR500-Pro-B with SiPass Integrated – Wiegand Protocol

This document describes the process for connecting the QR500-Pro-B Readers to SiPass Integrated, based upon the Wiegand protocol.

SiPass does not directly display QR codes within the Software, a QR code is emailed to the intended Cardholder, based upon the e-mail address against the cardholder.
To configure Email sending from within SiPass, the ASE5300-MF Messaging License Module must be included as part of the license.

NOTE:

- Wiegand only reader
- Green LED control only on the reader
- No card reading supported against SiPass Integrated
- Supports credential numbers 1000 -> 4294967295

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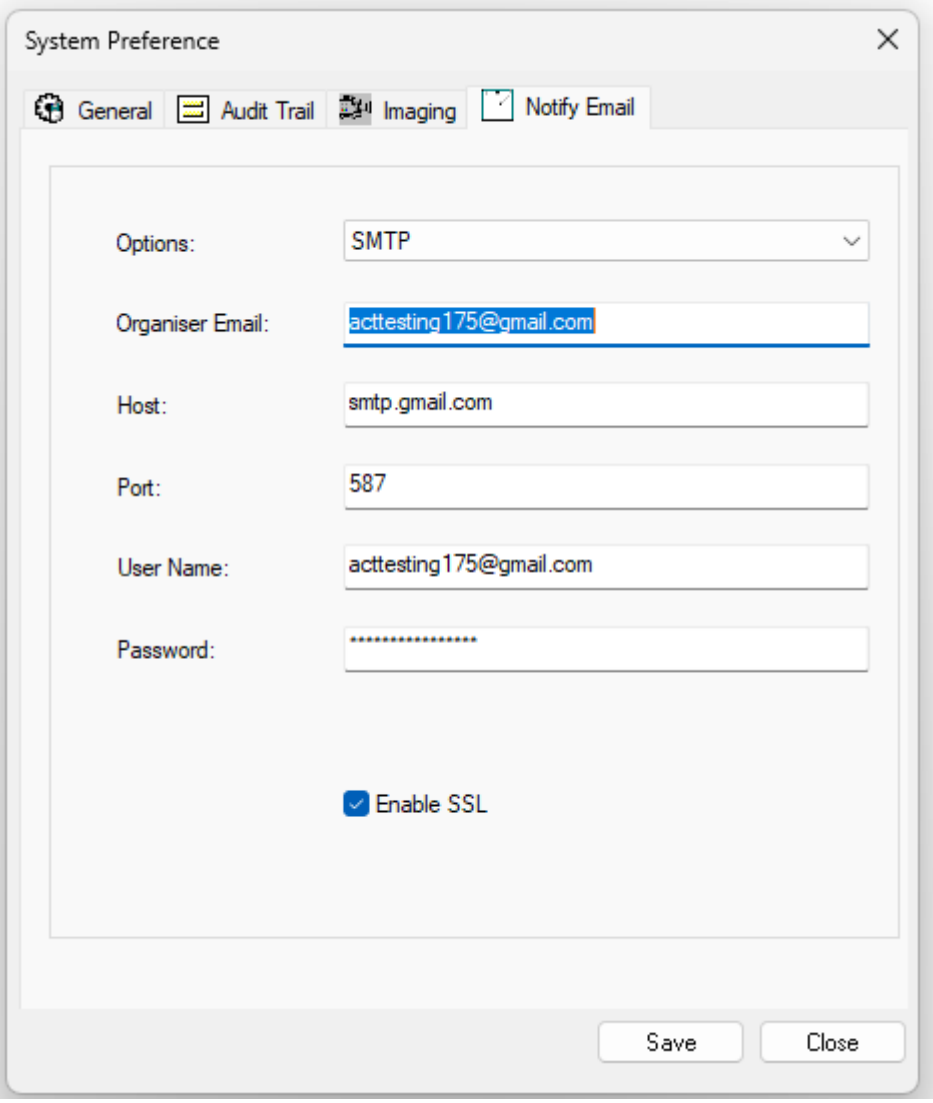
1. Configuring SiPass to Send Emails

In SiPass Configuration Client go to Options – Preferences – Notify Email and enter the settings of the email account that SiPass will be using to send emails.



NOTE - The **ASE5300-MF Messaging License Module** is required for SiPAss to send emails.

2. Wiring a Reader - Wiegand

The reader is wired in the following way:

SRI/DRI/ERI

Reader	SRI/DRI/ERI
VCC	+12v
GND	0v
BUZ	Red
LED	Green
WG1	D1
WG0	D0

ACC-AP Reader 1

Reader	ACC-AP Reader 1
LED	Out 1
BUZ	Out 2
WG1	A
WG0	B
GND	0v-
VCC	12v+

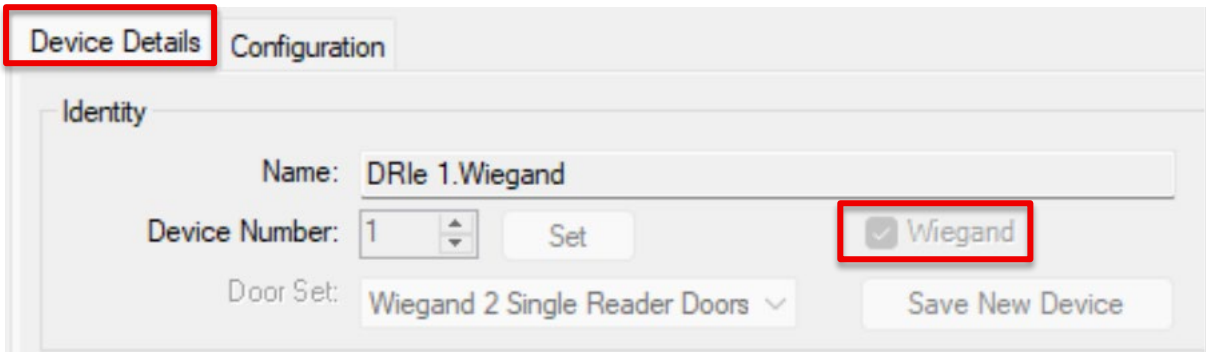
ACC-AP Reader 2

Reader	ACC-AP Reader 2
WG1	A
WG0	B
GND	0v-
VCC	12v+
LED	Out 3
BUZ	Out 4

2.1. Adding a Wiegand Reader to an ACC-AP

When installing a Wiegand reader on an ACC-AP you must specify Wiegand when initially discovering the device.

Open the SiPass integrated FLN Configuration tool within the Configuration Client. Navigate to the desired controller and use the “Search Devices” to find a new device.

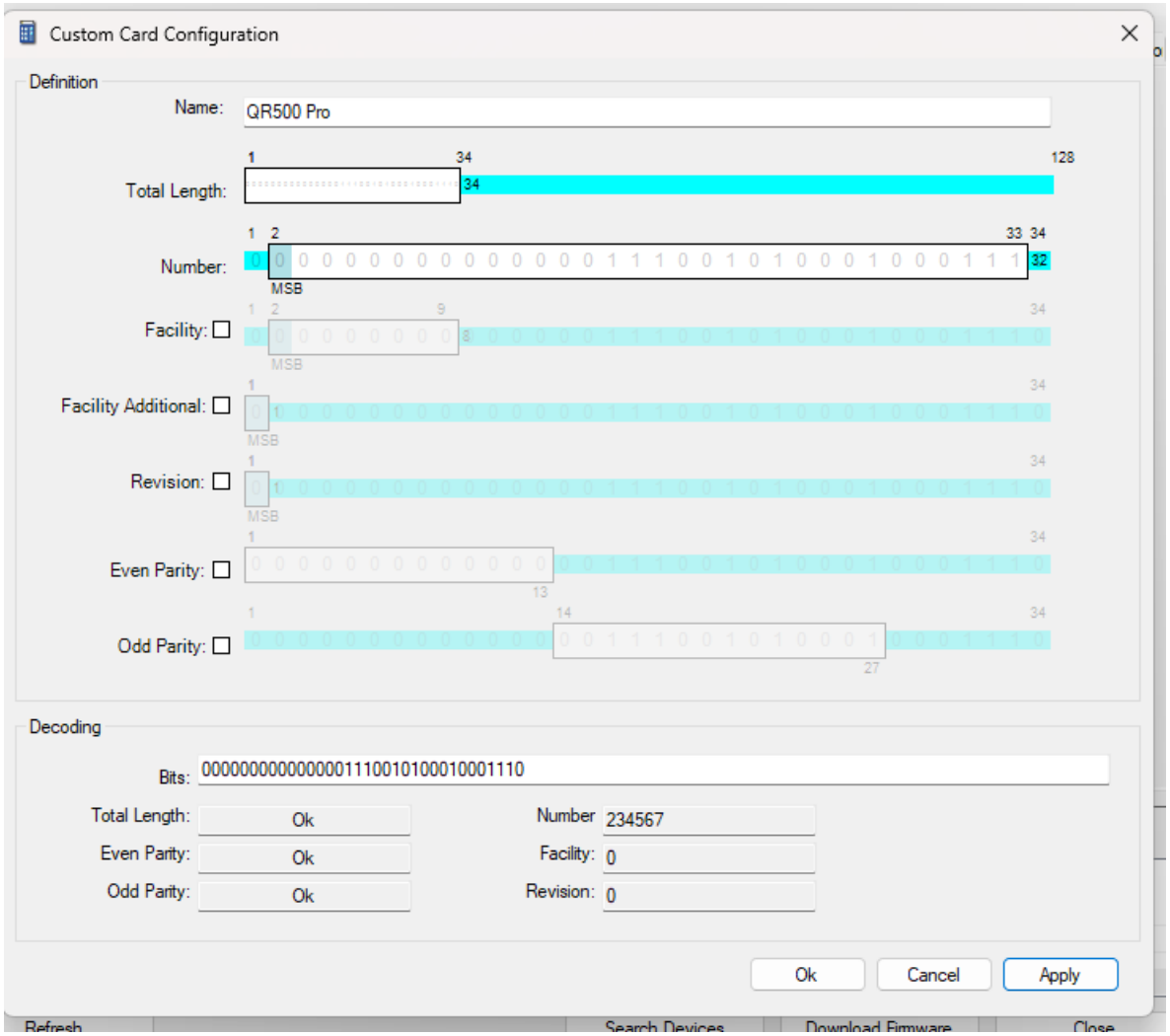


You must ensure sure the Wiegand checkbox is selected.

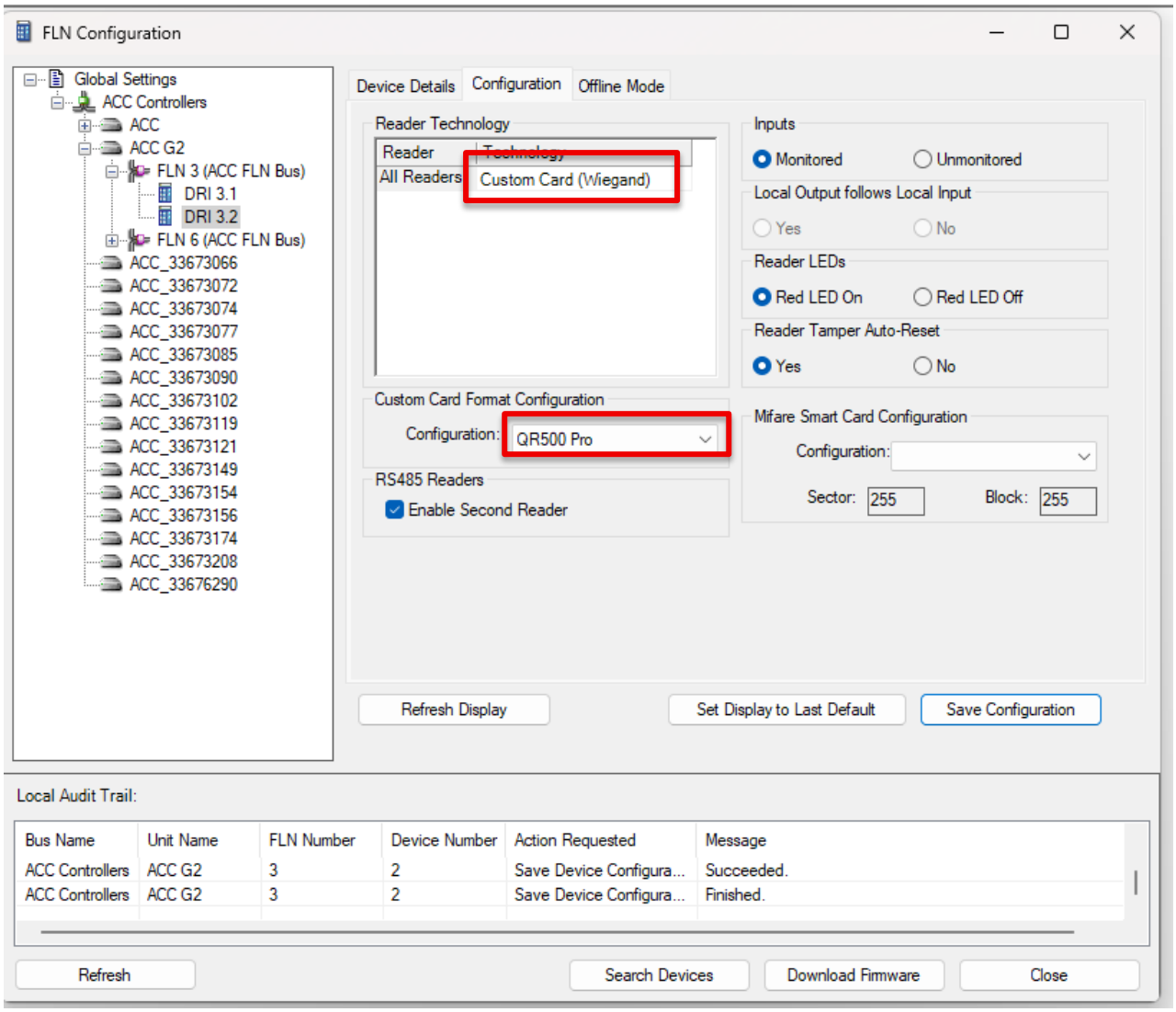
3. Selecting Card Format in Sipass Integrated

3.1. Card Format

To read a QR Code generated by SiPass, when used in conjunction with a QR500 Pro Reader the following 34 Bit Custom Card Format must be created.



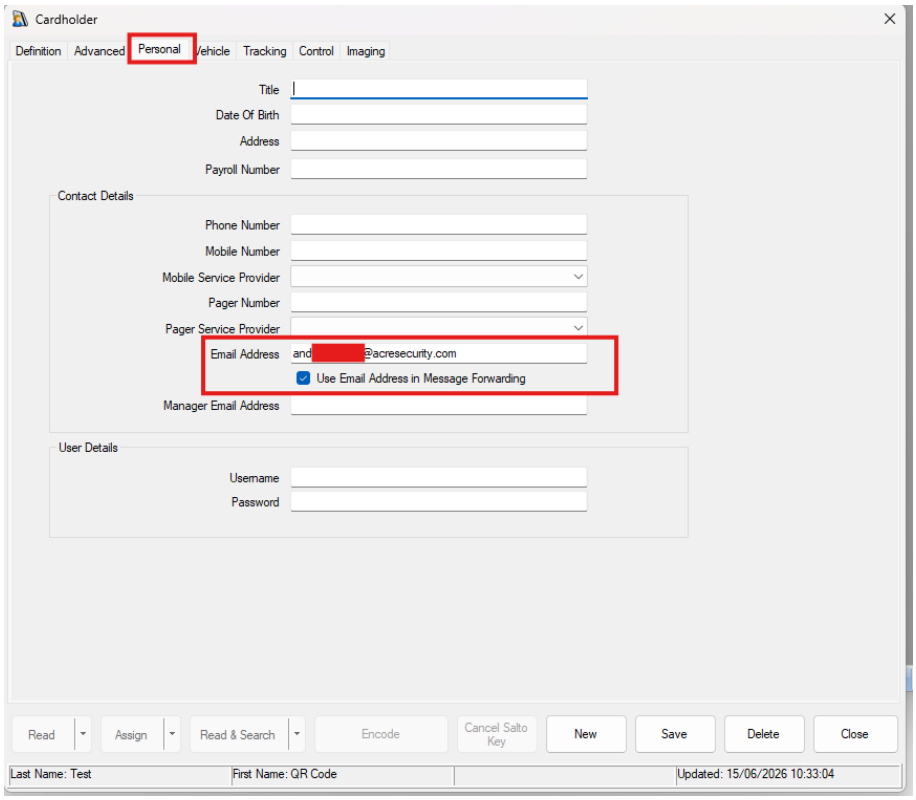
Then a ‘custom card (Wiegand)’ Reader technology needs to be applied to the Reader Interface Module, and the 34-bit Custom Card Format needs to be applied.



4. Sending/Creating a QR Code

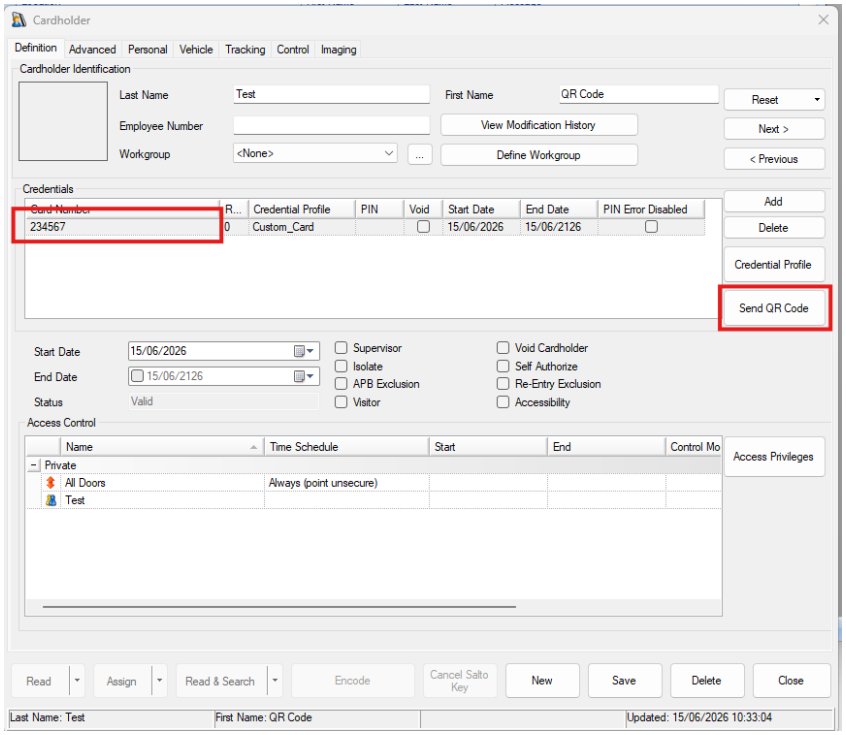
To send a QR Code to a Cardholder, an email address needs to be assigned to that cardholder within the cardholders 'Personal' Tab.

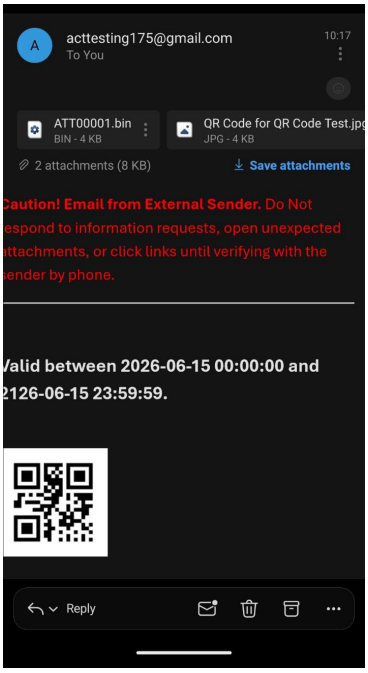
'Use Email Address in Message Forwarding' must also be checked.



The Cardholder must have an existing Credential Profile for the corresponding QR Code to be generated.

When the ‘Send QR Code’ button is clicked an email containing attachment of a QR code that corresponds to the Cardholders Card Number will be Sent to that Cardholder.





The QR Code can then be presented to the QR500 Pro to gain access to the door.

SUPPORT INFORMATION

If you have any questions, please contact our Global Technical Services team.
Contact details can be found on our website.