Introduction

This document has been created with the intention of explaining how to configure the inepro Spider RFID reader to deliver an output value like KOFAX (Baltech) readers. The described configurations have been developed based on the most widely used RFID technologies on the market, but it is to be imagined that they may require some additional modifications, depending on the values required by the end customer's application, or by the specific configuration that the KOFAX reader (Baltech) may be using.

The base KOFAX configuration used to create these configurations is the Stock Solution called 'All hardware supported card types'. With that Stock Solution the inepro Spider RFID reader will be delivering a similar value to the KOFAX (Baltech) reader that uses this configuration.

Goals

The objective is to provide an easy and quick way to configure the inepro Spider RFID reader, so that it can be integrated into environments where KOFAX (baltech) readers are currently used in combination with software from the same brand, and multifunction printing devices.

The support technician, or the staff in charge of post-sale support, should be able to use this document as a guide, to correctly configure the inepro Spider RFID reader as required by the end customer RFID technology used, and the deployed KOFAX software solution.

For each configuration, the name of the required setting, and the specific value for the inepro Spider RFID reader, is described. With this information, the user will be able to create, save, and program the correct configuration for the reader.

Requirements

- Windows based desktop/laptop with an available USB port
- Spider RFID reader tool or Spider - SCR Advanced Reader tool
- Inepro Spider RFID Reader Core, Pocket, Desktop or Desktop MFP
- Spider USB Cable Type A Male 180cm / 70.86inch (P279243)

Configuration Settings

In this section you will find the specific settings configurations, for the most used RFID technologies. These settings are required for the Spider RFID Reader to match the KOFAX (Baltech) output values:

How to use

- Discover the Card technology type used by your KOFAX Reader and your cards.
- Write down the number that a card generates at this KOVAX Reader, do this for 3 cards in total.
- The 'output string example' in each card type section is the number that you get from the KOVAX reader.
- Match the configuration and check with the three cards if you get the numbers you have written down earlier.
- If they match you can now use these cards with this Spider RFID reader also, they will render the same number.

EM Marin - 5 bytes

Output string example: 00515411456963

Setting	Value
Beeper volume	75
Configuration name	KOFAX_EM Marin_5_bytes
Unique inverted	1
USB backward compatible output	1
USB backward compatible output decimal	1
USB backward compatible output length	14
USB backward compatible UID length	5
USB device interface	0
USB ignore card removed	1

Felica – 64 bits

Output string example: 00072345672091248130

Setting	Value
Beeper volume	75
Configuration name	KOFAX_Felica_64_bits
Felica support	1
USB backward compatible output	1
USB backward compatible output decimal	1
USB backward compatible output length	20
USB device interface	0
USB ignore card removed	1

Configuration Settings

HID iClass - 8 bytes
Output string example: 0924817482431483568O

Setting	Value
Beeper volume	75
Configuration name	KOFAX_HID_iClass_8_bytes
HID iClass support	1
USB backward compatible output	1
USB backward compatible output byte order	1
USB backward compatible output decimal	1
USB backward compatible output length	20
USB backward compatible UID length	8
USB device interface	0
USB ignore card removed	1

Hitag II – 4 bytes
Output string example: 2006998047

Setting	Value
Beeper volume	75
Configuration name	Hitag II
HITAG 2 support	1
USB backward compatible output	1
USB backward compatible output decimal	1
USB backward compatible output length	10
USB backward compatible UID length	4
USB device interface	0
USB ignore card removed	1

Configuration Settings

ioProx – 4 bytes
Output string example: 55800

Setting	Value
Beeper volume	75
Configuration name	ioProx
ioProx support	1
USB backward compatible output	1
USB backward compatible output byte order	0
USB backward compatible output decimal	1
USB backward compatible output length	5
USB backward compatible UID length	4
USB device interface	0
USB ignore card removed	1

Legic Advant – 8 bytes
Output string example: 08822580257322173920

Setting	Value
Beeper volume	75
Configuration name	KOFAX_Legic_Advant_8_bytes
Legic Advant support	1
USB backward compatible output	1
USB backward compatible output byte order	1
USB backward compatible output decimal	1
USB backward compatible output length	20
USB backward compatible UID length	8
USB device interface	0
USB ignore card removed	1

Configuration Settings

Legic Prime – 4 bytes
Output string example: 1475703921

Setting	Value
Beeper volume	75
Configuration name	KOFAX_Legic_Prime_4_bytes
Legic UID byte order	2
USB backward compatible output	1
USB backward compatible output byte order	0
USB backward compatible output decimal	1
USB backward compatible output length	10
USB backward compatible UID length	4
USB device interface	0
USB ignore card removed	1

Mifare Classic – 4 bytes
Output string example: 3502460026

Setting	Value
Beeper volume	75
Configuration name	KOFAX_Mifare_Classic_4_bytes
Mifare classic support	1
USB backward compatible output	1
USB backward compatible output byte order	1
USB backward compatible output decimal	1
USB backward compatible output length	10
USB backward compatible UID length	4
USB device interface	0
USB ignore card removed	1

Configuration Settings

Mifare Classic – 7 bytes
Output string example: 037262652314272516

Setting	Value
Beeper volume	75
Configuration name	KOFAX_Mifare_Classic_7_bytes
Mifare classic support	1
USB backward compatible output	1
USB backward compatible output byte order	1
USB backward compatible output decimal	1
USB backward compatible output length	18
USB backward compatible UID length	7
USB device interface	0
USB ignore card removed	1

Mifare DESfire – 7 bytes
Output string example: 036059530481387268

Setting	Value
Beeper volume	75
Configuration name	KOFAX_Mifare_DESfire_7_bytes
DESfire support	1
USB backward compatible output	1
USB backward compatible output byte order	1
USB backward compatible output decimal	1
USB backward compatible output length	18
USB backward compatible UID length	7
USB device interface	0
USB ignore card removed	1

Configuration Settings

Mifare Ultralight – 7 bytes
Output string example: 037250435272781060

Setting	Value
Beeper volume	75
Configuration name	KOFAX_Mifare_Ultralight_7_bytes
Mifare ul support	1
USB backward compatible output	1
USB backward compatible output byte order	1
USB backward compatible output decimal	1
USB backward compatible output length	18
USB backward compatible UID length	7
USB device interface	0
USB ignore card removed	1

NexWatch – 31 bits
Output string example: 88290838

Setting	Value
Beeper volume	75
Configuration name	KOFAX_Nexwatch_31_bits
NexWatch support	1
USB backward compatible output	1
USB backward compatible output decimal	1
USB backward compatible output length	8
USB device interface	0
USB ignore card removed	1

Special Considerations

HID Proximity / Indala / Awid

The Spider RFID Reader has support for these technologies, but for now we can't provide a specific configuration with the same KOFAX output value.
This is under development and will be included in a future firmware version, as well in the required documentation.

Gprox / Cardax / IDTeck

The support for these technologies is under development.