readID™ MIFARE® for Siedle™ SE 1041 MIX

Outdoor Reader for MIFARE® & Bluetooth® compatible with the Siedle Vario system

Functional description

Designed for integration into the Siedle™ Vario system using the original OEM module enclosure from Siedle™.

The RFID reader module reads MIFARE® family of cards including DESFire Ev1.

In addition to the MIFARE® card reader a Bluetooth 4 radio is also available for used with portable devices such as smart phones, tablets etc.

The capacitive touch PIN pad with white backlight and the full RGB colored status LED has automatic ambient light compensation.

Connection to the access control panel is available via Wiegand, Clock/Data and RS485 interface depending on the actual firmware and configuration.

In-field configuration is available via a USB interface that allows for both firmware update and changing of configuration.

Product versions

SE 1041 MIX	readID™ MIFARE® for Siedle™
SE 1041 PRX	readID™ Prox for Siedle™

CARD TECHNOLOGY	DATA TYPES	DATA	DATA FORMAT
NXP MIFARE®	Sector data or UID/CSN	32, 56 & 128 Bit	26,32,56 Bit Hex/Dec/ASCII/Rev
NXP Ultralight®	UID/CSN	32 & 56 Bit	26,32,56 Bit Hex/Dec/Rev
NXP DESFire®	UID/CSN	32 & 56 Bit	26,32,56 Bit Hex/Dec/Rev
Legic® Advant (ISO14443A)	UID/CSN	32 & 56 Bit	26,32,56 Bit Hex/Dec/Rev

The custom format allows for verification of valid data received on bit length and selecting part of the card number by use of offset and data length. Output data can be formatted as decimal or hexadecimal and can be truncated

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How to order

When ordering a card reader please specify: product number & configuration in the following manor:

Product	SE 1041 MIX	readID™ MIFARE® for Siedle™
Configuration	SE 1041 SFN	Format ID: xx , I/O = High/Low, PIN = 4bit, 8bit, 1 char, 2 char
Color	SE 1041 SCC	Siedle™ Color Code: WH, SM, DG, BG, SH

Selecting data format and interface type

The firmware in the readID™ MIFARE® for Siedle™ reader allows for multiple output formats in order to interface seamlessly with the access controller.

The Clock/Data interface outputs the card number and PIN data using the ABA / Track 2 protocol.

The Wiegand interface outputs the card number and PIN data using common Wiegand formats including both 4 and 8 bits (Dorado) outputs for PIN pad data.

The RS485 interface is bi-directional half-duplex for use with OSDP compatible access controllers or can supplied with support for custom protocols.

On site configuration requires seucu software, which is freely downloadable from
www.securityengineering.dk
The current format list is available on the website.

Audio & visual indication

The readID Mifare for Siedle card reader is equipped with a buzzer for acoustic indication and a full RGB color LED for visual indication.

Standard firmware allows for external control of Red & Green LED and the Buzzer.

Firmware

The card reader can be firmware updated in field using the seufu.exe utility, which is freely downloadable from *www.securityengineering.dk.*

Standard firmware supports Wiegand or Clock/Data Interface.

Alternative firmware is available with RS485 interface.

Data

Dimensions	99 x 99 x 25 mm (L x W x H)
Color	WH - White SM - Silver Metallic (Stocked) DG - Dark Gray (Stocked) BG - Amber SH - High gloss black
Connection	10 way IDC connector - 10 way low profile cage clamp connector included
Cable	Fixed mount / 100mm
Commodity code	8471
Country of Origin	DK
ECCN code (US)	N
Export list number (EU)	N

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