readID™ Wall for Siedle™ SE 1045

Outdoor Reader for MIFARE® Classic & MIFARE® DESFire® 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 MIFARE® DESFire® EV3.
In addition to reading the MIFARE® family of cards, the card reader is also capable of communicating via NFC with Android Wallet and Apple Wallet.

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/or configuration.

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

Product versions	
SE 1045 DKT	readID™ Wall for Siedle™, DESFire, Keypad, Terminal
SE 1045 DPT	readID™ Wall for Siedle™, DESFire, Prox, Terminal

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®	AID/File data or UID/CSN	32 & 56 Bit	26,32,56 Bit Hex/Dec/Rev
Legic® Advant	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 1045 DKT	readID™ Wall for Siedle™, DESFire, Keypad, Terminal
Configuration	SE 1045 SFN	Format ID: xx , I/O = High / Low, PIN = 4bit, 8bit, 1 char, 2 char
Color	SE 1045 SCC	Siedle™ Color Code: WH, SM, DG, AG, SH

Selecting data format and interface type

TThe firmware in the readID™ Wall 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 be 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™ Wall 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.com***.
Standard firmware supports Wiegand, Clock/Data Interface and RS485 with OSDP™.
Alternative firmware is available for custom RS485 interface based protocols.

Data

Dimensions	99 x 99 x 25 mm (L x W x H)	
Color	WH - White SM - Silver Metallic AG - Anthracite	DG - Dark Gray SH - High gloss black RAL - RAL xxxx
Connection	10 way IDC connector - 10 way low profile cage clamp connector included	
Cable	Fixed mount / 100mm	
Supply Voltage	5 – 30 VDC / 50 mA	
Temperatur Range	-30 C -> +70 C	
Commodity code	8471.60.90.30	
Country of Origin	DK	
ECCN code (US)	N	
Export list number (EU)	N	
Certification	CE & UKCA	
EAN	SE 1045 DKT	05745000789269
EAN	SE 1045 DPT	05745000789474

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