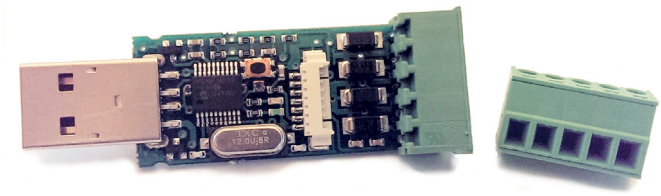
readID™ Dongle
SBR 1001 TU



USB reader interface with Serial (TTL), Wiegand or Clock/Data interface

Functional description

Design for easy registration RFID cards in access control software. The readID™ Dongle interface connects to a pc via USB (2.0) and the required driver is automatically loaded (Windows, MAC OS & Linux).
The readID™ Dongle receives data from external card reader and the card data is transferred to the pc as keyboard data. This allows legacy RFID card readers, like Indala® Flex Secure, Deister, Motorola, Cryptag®, AWID, Cotag, Magstripe etc. to be connect to modern equipment via USB, and used with existing software where card data usually is being typed into the system.

USB Device (2.0) interface for connection to a pc, server or high level controller/PLC.
Wiegand or Clock/Data input (5v TTL).
Serial port input and output (5v TTL).

Product versions	
SBR 1001	readID™ Dongle with Pico Blade connector, solder pads & dongle style enclosure
SBR 1001 TU	readID™ Dongle with detachable screw terminal connector (PCB only)

INTERFACE	DATA	DATA FORMAT
Clock/Data	1 - 37 Digits	All encoded data or a selected part
Wiegand	4 -128 Bit	26, 27, 29, 32, 34, 37, 56 &128Bit Hex/Dec/Rev

The programmable format allows for verification of valid data received on digit or 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 – Please see the user manual for the SBR 0814 / 0904 / 0952 / 0962 / 0993 product family.

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How to order

When ordering an interface please specify: product number & configuration in the following manor:

Product	SBR 1001	USB Compact Interface
Configuration	SBR 1001 SFN	Program ID: xx , CR = On/Off
	SBR 1001 FW	Firmware: 1.xx, 3.xx or 4.xx

Selecting data format

The firmware in the readID™ Dongle interface allows for multiple output formats in order to match the card data presentation in the receiving system.
Card data is often stored in binary format but displayed in decimal format. To allow easy integration the most commonly used formats have been implemented in the standard firmware.
Each format has 2 selectable options, one for enabling 'Enter/CR' as end of transmission character and one for enabling format specific options like padding (#xxx…xxx#) or 56 Bit support.

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™ Dongle interface is equipped with a buzzer output and red & green LEDs for visual indication.
At connection of the unit to the USB port the LED sequence **red -> red/green -> green** indicates correct initialization.
Transmission of data is indicated with a green flash and activation of the buzzer output.
Errors in the card data is indicated with a double red flash and activation of the buzzer output.

Firmware

The USB card reader interface can be firmware updated in field using the seufu.exe utility, which is freely downloadable from *www.securityengineering.dk*.
Standard firmware supports USB HID - Human Interface Device class with keyboard emulation.
Alternative firmware is available with USB CDC – Communication Device Class for COM-port emulation.
If a custom firmware is required please contact: *sales@securityengineering.dk*

Data

Dimensions	Enclosure 56 x 23 x 9 mm (L x W x H) / PCB 45 x 19 mm
Color	Transparent enclosure
Connection	USB A connector, 7 way Picoblade connector & 5 way screw terminal with cable cage
Commodity code	8471
Country of Origin	DK
ECCN code (US)	N
Export list number (EU)	N

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