

USB Compact Interface SBR 0904 TU

USB reader interface with Wiegand or Clock/Data interface



Functional description

Design for easy registration of RFID cards in access control software. The card reader interface connects to a pc via USB (2.0) and the required driver is automatically loaded (Windows, MAC OS & Linux). The USB Compact Interface 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).

Product versions

SBR 0904 TU	USB Compact Interface for Wiegand or Clock/Data
SBR 0904 TS	RS232 Compact Interface for Wiegand or Clock/Data

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 based 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.

How to order

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

Product	SBR 0904 TU	USB Compact Interface
Configuration	SBR 0904 SFN	Format ID: xx, CR = On / Off
	SBR 0904 FW	Firmware: 2.xx, 3.xx or 4.xx

Selecting data format

The firmware in the USB Compact 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#), 56 Bit support etc.

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

Audio & visual indication

The USB Compact Interface is equipped with a buzzer output for acoustic indication and a multicolor LED for visual indication.

At connection of the unit to the USB port the LED sequence **red -> yellow -> 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 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.

Data

Dimensions	90 x 55 x 25 mm (L x W x H)
Color	Black
Connection	USB B Connector on device – USB 2.0 interface
Cable	Detachable USB A to USB B / 1,8 m / Black
Commodity code	8471
Country of Origin	DK
ECCN code (US)	N
Export list number (EU)	N