USB Compact HID Prox
USB Compact HID iCLASS®
SBR 0962 HID
SBR 0962 IC

USB Reader for HID Prox
USB Reader for HID iCLASS®, MIFARE® CSN & ISO 15693 CSN

Functional description

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

When presenting a HID card or tag to the USB Compact HID card reader the card data is transferred to the pc as keyboard data.

This allows for integration with existing software where card data usually is being typed into the system.

Product versions	
SBR 0962 HID	USB Compact HID Prox
SBR 0962 IC	USB Compact HID iCLASS®

CARD TECHNOLOGY	DATA TYPES	DATA	DATA FORMAT
HID Prox	Card data	26 to 128 Bit	26, 27, 29, 32, 37 Bit & Programmable
HID iCLASS®	Access application data	26 to 128 Bit	26, 27, 29, 32, 37 Bit & Programmable
HID Prox	Card data	26 to 128 Bit	26, 27, 29, 32, 37 Bit & Programmable
ISO 15693	UID/CSN	64 Bit	64 Bit & Programmable

The programmable 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 – Please see the user manual for the SBR 0814 / 0904 / 0952 / 0962 / 0993 product family.

Security Engineering ApS
Birkholmsvej 33
DK-2800 Kgs. Lyngby
Tel. +45 87 30 04 45
www.securityengineering.dk

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How to order

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

Product	SBR 0962 HID	USB Compact HID Prox
Configuration	SBR 0962 SFN	Format ID: xx , CR = On / Off

Selecting data format

The firmware in the USB Compact HID card reader allows for multiple output formats in order to match the card data presentation in the receiving system.
The data of a HID card or tag is stored in binary format, but is often 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#).

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 USB Compact HID card reader is equipped with a buzzer 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.
Errors in the card data is indicated with a double red flash and activation of the buzzer.

Firmware

The USB reader 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

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