



EXRead SCR-SD G2

OSDP™ Verified RFID Card Reader

The EXRead SCR-SD G2 reader is a secure keypad access reader with a large colour display for reading NFC smartcard credentials, designed, developed and manufactured by SystemHouse Solutions. It employs the Open Supervised Device Protocol communication over multidrop RS-485 and is suitable for a multitude of solutions together with accessories and a state-of-the-art configuration tool.

High-security RFID-reading options can be combined with legacy technologies to allow an easy upgrade path with a minimum of administration. The Secure Channel and Transparent Mode provided by the OSDP™ give you end-to-end encryption from the RFID credential via the RFID card reader to the access control system. The OSDP™ File Transfer allows for remote firmware upgrade and configuration.

Art number: 44280380, EXRead SCR-SD G2

Features

The EXRead SCR-SD G2 have a large 2,8" colour display, a tactile 3x4 button keypad with a configurable backlight, an RGB multi-colour LED light stripe status indication and an internal buzzer with adjustable sound levels. Up to eight function keys can be configured, including the custom text on display and custom protocol payload. Proximity and ambient light sensors provide an optimal user experience in varying light conditions. The device is designed with sturdy, tamper proof housing for challenging environments meeting IP54 and IK09 requirements.

Optimised for reading MIFARE® smartcard according to NXP and ISO 14443A, supports MIFARE sector reading, MAD1 and MAD2 for MIFARE Classic, MIFARE Plus and MIFARE DESFire EV1, EV2, EV3 with Key Diversification. Support for EMV® and PKI credentials. Configurable ECP certified reading – Works with Apple Wallet.

Easy installation is supported by a parted housing with a click-on cable connector, RS-485 termination selector jumper and two tamper switches configurable as opening and wall tamper alarm. Maintenance opening slots require a specialised tool, included with the delivery.

EXRead Configuration Tool

The EXRead Configuration Tool is developed for the OSDP™ RFID reader family to provide full control of the reader configuration options, what credentials to read and how to output this reading to the access control system. The configuration file can be saved, and encryption keys can be hidden to allow system owners to input encryption keys and then hide the keys for safekeeping. When a configuration is completed, it is securely communicated to the reader using configuration cards that are programmed from the EXRead Configuration Tool or by the File Transfer option directly from ACU.

The RFID capabilities and configuration options allow for a multitude of reading options and combinations. Using the Configuration Tool, you can enable and disable what MIFARE® unique identifiers (UID) the reader will read, combine with up to five MIFARE Classic® or MIFARE Plus® cards with data programmed on a sector and/ or up to five additional MIFARE® DESFire® data media programmed in an application.

Accessories

- > Art. no. 44280270: Installation plate for mounting on metal
- > Art. no. 44280271 & 44280272: 15- and 30-degree mounting angle
- > Art. no. 44280290, 44280291: Vandal protection



Configurable display for customer text, logos incl preloaded bitmaps

- > Large 2,8" colour display
- > Contactless card reader with keypad and colour display
- > High Security RFID reading capable of multiple MIFARE® DESFire® and PKI credentials
- > EMV® Digital Access Support | NFC Mobile Wallet | Contactless Cards
- > LED and internal buzzer for status indication
- > Thin and elegant design, 20 mm thin with small footprint in sturdy construction for indoor and outdoor environments
- > OSDP™ communication protocol with encrypted communication to the access control system
- > EXRead Configuration Tool available to program the reader how to behave, what credentials to read and how to output readings to the access control system
- > The RFID card readers are designed, developed and manufactured by SystemHouse Solutions within the EU
- > Colour-matched accessories to the back part of the reader for a stylish installation

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OSDP™ Verified RFID

Technical data

Power supply, typical/min/max	24VDC/11VDC/30VDC
Power consumption, typical/max at 24V	25 mA/135 mA
Enclosure protection	IP54 / IK09
Operating temperature	-40°C to +70°C
LED-stripe type	RGB
Dimensions NET (L/W/H)	123.5/88/20 mm
Weight NET	150 g
Colour	NCS 8500-N/NCS 6502-B
Display	TFT 2,8" 240x320 pixels

Specific technical data

Communication	RS-485/OSDP™ with Secure Channel, File Transfer and Transparent Mode
Reading distance	Up to 50 mm
Frequency range	13,56MHz

Compliance

CE, RoHS and REACH

Article number

44280380

RFID card reader EXRead SCR-SD G2, with keypad and display

