



EXRead Configuration Tool™

Software Solution | EXRead Series

EXRead
BY SYSTEMHOUSE SOLUTIONS

Get Complete Control over Access Control.

One of the most powerful features of the EXRead Series of OSDP V2 Verified RFID Readers is the versatile Configuration Tool. Developed in-house and specifically tailored for the EXRead Series specifications. While being an efficient and timesaving solution it makes configurations easy, secure and trouble-free. And not just for installers and technical professionals. The interface is designed and structured to make it easy to use, for everyone.

The EXRead Configuration Tool provides the ability to setup, update, configure, upgrade and define everything for each reader of the EXRead Series. And without external dependencies. Several levels of advanced security options are available. Encrypted password protection eliminates the need to share or disclose defined keys for card systems. Configuration project files can be locked down for review and changes. Configuration cards can be setup with unique AES encrypted keys per installation site to prevent unauthorised modifications to any connected reader. Internet connectivity is not required. The software is fully functional in off-line situations - without connection to Internet.

The Configuration Tool is available in two versions: Standard and Professional. Standard includes all functions required for access control setup while Professional includes additional customer added value functions and innovative extras such as free mobile NFC native wallet access for end-users.

The Configuration Tool comes with a company lifetime license and optional new release version upgrades. Standard is free while Professional comes with a one-time license fee and a fixed fee for optional future release version upgrades.

Art no: 44583100 | Standard Company License | Lifetime
Art no: 44583300 | Professional Company License | Lifetime
Art no: 44603100 | Upgrade Standard Company License | New Release
Art no: 44603300 | Upgrade Professional Company License | New Release

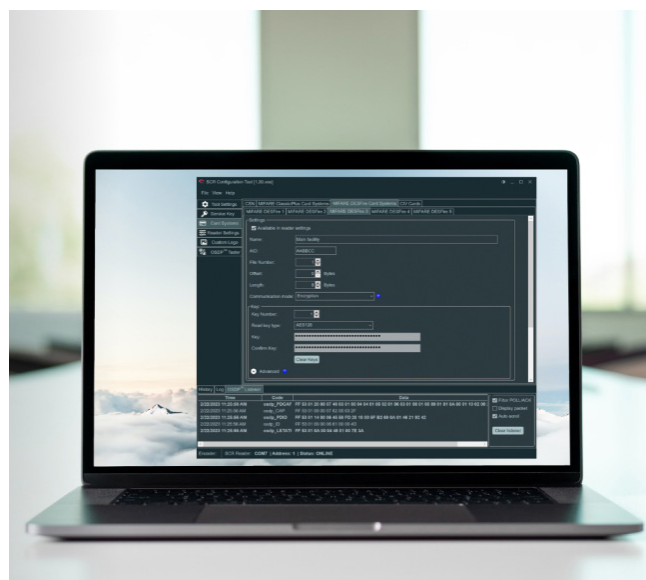
Features

The EXRead Configuration Tool is developed 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 RFID capabilities and configuration options allow for a multitude of reading options and combinations. The Configuration Tool 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®/ DUOX® data media programmed in an application. Specific features as per table below.

Minimum system requirements

- Processor: Intel® or AMD processor 1.5GHz or faster
- Operating system: Microsoft Windows 7 or higher
- RAM: 2GB. Hard-disk space: 300 MB available
- Resolution: 1024x768 or higher



SystemHouse Solutions

systemhousesolutions.com
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	STANDARD	PROFESSIONAL
CONFIGURATION SETUP		
Configuration Direct PC Connection	•	•
Configuration Baud Rate Communication [4800, 19200, 38400, 57600, 115200, 23400, 500000 bps]	•	•
Configurable OSDP Device Address	•	•
Configuration User Defined Configuration Cards (DESFire)	•	•
Configuration Cards Initialising/Formatting	•	•
Multiple Project File Support Multiple Configuration Sets Per Project File	•	•
Setup Reader As Enrollment Reader With AccessLink 7.1 Cable	•	•
Setup Reader As Update Reader Offline Locks		•
Configuration Settings Export BIN-File To File Transfer Via Access Control Unit (ACU)		•
UPGRADE AND DIAGNOSTICS		
Firmware Upgrade Direct PC Connection File Transfer Via Access Control Unit (ACU)	•	•
Firmware Upload Hotswap Upgrade Option - Reader Dual Memory Banks - Upgrade While Operating	•	•
Diagnostics Reader Information Event Log History	•	•
Diagnostics Event Log File Export	•	•
Factory Reset Option	•	•
Diagnostics OSDP Tester OSDP Listener (ACU Simulation)		•
MAIN USER EXPERIENCE OPTIONS		
Ambient Light Sensor Intensity	•	•
Multicolor RGB LED Stripe With Configurable Intensity	•	•
Two-Color SCR-SD G2 Backlit Keypad With Configurable LED Mapping And Intensity	•	•
Buzzer ON OFF Volume Intensity	•	•
Proximity Sensor LED Behaviour	•	•
Extended Characters Set With Configurable Encoding UTF8 ISO/IEC 8859-1	•	•
18 Pre-loaded Animated Infographics To Present Door Status	•	•
Custom Defined Animated Or Static Bitmap Infographics	•	•
Up To 8 Custom Function Keys [Custom Display Text & Custom Data Output - Up to 8 Bytes]		•
Infographics Triggered By ACU LED Pattern Behaviour		•
READING DATA OUTPUT OPTIONS		
Data Type Output Configuration Byte Order Bit Order Length Offset	•	•
Data Type Output Prefix Suffix (Two Bytes Each)	•	•
Data Type Output Number System Conversion HEX-ASCII		•
CARD SYSTEMS & MOBILE CREDENTIALS OPTIONS		
Configure CSN For Each Card Type [Classic/Plus/DESFire/Other] And UID Length Independently	•	•
Configure Up To 5 MIFARE Classic/Plus Card Systems In Parallel	•	•
Configure Up To 5 MIFARE DESFire EV1-3 Card Systems In Parallel	•	•
Configure Mobile EMV Reading & Multiple Data Type Output Plain Hashed BCD HEX	•	•
Configure MIFARE DUOX Symmetric Key Reading (AES256)		•
Configure Certificate Based Reading ID06 PIN Support	•	•
Configure Certificate Based Reading Valtti PIN Support	•	•
Configure Certificate Based Reading Custom Certificate PIN Support		•
Configure Mobile ECP NFC Native Wallet Credential Reading		•
SECURITY OPTIONS		
Project Files Password Protection Option	•	•
Configuration Cards Custom AES Protection Key Against Unauthorised Reader Programming	•	•
Optional Power Cycle Requirement Prior Accepting Configuration Card	•	•
Secure Channel Encrypted Communication Mode	•	•
DESFire Key Diversification Option Random UID Custom SALT Option	•	•
Proximity Check Relay Attack Protection	•	•
Enforce Secure Messaging Option	•	•
Transparent Mode Keys Read From ACU	•	•
Erase Keys Upon Tamper	•	•