

CIDRON-E

The **Cidron E** reader compatibility with secure RFID-technologies incorporated in a robust, yet timeless design, makes them ideally suited for both indoor - and outdoor installations in all kinds of physical access control applications.



Key features

- Timeless design reader in slimline size
- 13.56MHz Mifare®, DESFire® EV1&EV2
- Wiegand, RS485 OSDP communication interface

Cidron E is a reader operating on 13, 56MHz which makes it ideal to use where several card populations with different RFID-technologies . The Cidron family allows for controlled upgrading of legacy RFID-technologies utilizing secure RFID technology such as MIFARE® DESFire® EV1which operates on 13,56MHz and allows for AES128 encrypted communication between credential and reader. Cidron family supports reading of 13,56MHz technologies,for instance,MIFARE® Classic, MIFARE DESFire EV1&EV2 application and proximity compatible cards.

The substantial LED frame provides visual indications to the user, the LED frame can indicate green, red or yellow. There is also an embedded buzzer that can be used for audible indications. The LED frame, backlight and buzzer can all be configured to indicate different operations and events using sound or light to communicate with the user.

With the array of communication protocols available in the Cidron reader it makes it extremely versatile and can be installed in most physical access control systems without any additional plug-in modules. The Open Supervised Device Protocol, OSDP is a bidirectional communication protocol developed by SIA (Security Industry Association) which provides continuous monitoring of the reader but if applied it also enables AES128 encrypted communication between the reader and the controller. This so called "Secure Channel" is available in Cidron readers.

Technical Specifications

CIDRON E READER	
Operating frequency	13,56MHz
Contactless ISO Standard	ISO14443A
Contactless cards	MIFARE® CSN 4 byte, MIFARE® CSN 7 byte MIFARE® Classic and MIFARE DESFire® EV1&EV2; Also supports other ISO 14443 A compatible cards CSN.
Communication Interface	Wiegand, RS485 (OSDP 1, OSDP 2, including Secure channel)
Indicators	- LED bar with red, green and Amber intensely adjustable. - Buzzer
Power supply	9 – 12VDC
Operating temperature	-20° – +60°C
Operating humidity	0 – 95% RHNC (Relative Humidity No Condensation)
Ingress Protection Classification	IP 65 (request weather protection casing)
Housing dimensions	L=141mm, H=25mm, W=48mm
Configuration Methods	Configuration card, reader tool software or factory configured readers.
Compliances	CE, RoHS

*The specifications are subject to change without notice.

Cidron E Reader	Part No.
Cidron E Slimline 13.56MHz without keypad, matt black	SC9230-MD-VDI27-S