



# Cidron E

Slimline Desfire Ev2 & QR Code  
Access Control Reader

**The Cidron E reader compatibility with secure RFID-technologies and QR code 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
- Barcode & QR code accessory module for assembling
- Wiegand, RS232/RS485 OSDP communication interface
- OSDP Secure Channel
- High compatible to third party controller

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®EV1&EV2 which 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.



Cidron E with assembled QR code scanner support multi format QR codes 1D & 2D codes QR & Micro QR codes, ideal to manage visitor access for touchless access control solution. It's flexible for users to extend QR code scanner by assembling a QR Code Module for function expansion at anytime. The QR code module is embedded in an angled distance plate suitable to install on a horizontal surface for instance on different models of entrance speed gates and turnstiles.



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.

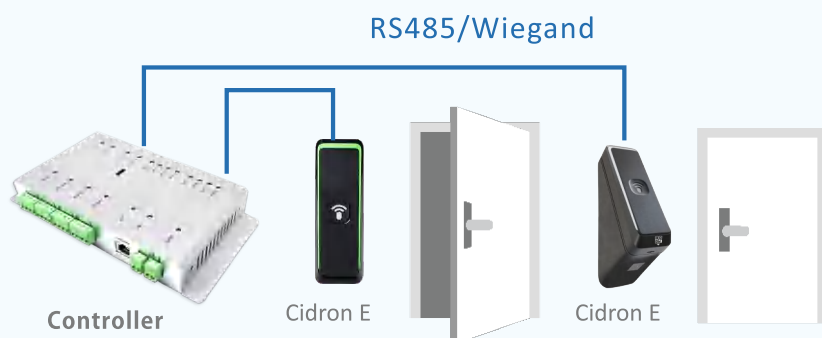


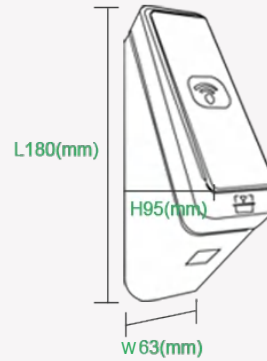
## Cidron E Reader

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 ISO14443A compatible cards CSN.
Communication Interface	Wiegand, RS232/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° ~ +50°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.

## Configuration





## Cidron E QR Code 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 ISO14443A compatible cards CSN.
Barcode/QR scanner	- Area image 640 x 480 pixels, Filed of View 68°(H) x 51(V) - Decode range: 20mm-150mm(QR 20MIL) - Roll/Pitch/Yaw: 360°, ±55°, ±55° - Multiple formats supported (1D & 2D Codes): QR Code, Micro QR code, PDF417, Code 128, Code 39 and most mainstream 1D and 2D barcodes.
Communication Interface	Wiegand
Indicators	- LED bar with red, green and Amber intensely adjustable. - Buzzer
Power supply	9 – 12VDC
Operating temperature	-20° ~ +50°C
Operating humidity	0 – 95% RHNC (Relative Humidity No Condensation)
Ingress Protection Classification	IP 65 (request weather protection casing)
Housing dimensions	L=180mm, H=95mm, W=63mm
Configuration Methods	Configuration card, reader tool software or factory configured readers.
Compliances	CE, RoHS

\*The specifications are subject to change without notice.

Cidron E Series Reader	Part No.
Cidron E Slimline 13.56MHz RS232/Wiegand without keypad, matt black	SC9230-MD-VDI27-S
Cidron E Slimline 13.56MHz RS485(OSDP)/Wiegand without keypad, matt black	SC9230-MD-4C-VDI27-S
Cidron E Slimline 13.56MHz + QR CODE Wiegand without keypad, matt black	SC9230-MDQ-VDI27-S