

Cidron Family Reader

The Cidron reader family's compatibility with secure RFID-technologies, BLE, NFC mobile credential 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.

Cidron family is a reader operating on both 125KHz and 13.56MHz which makes it ideal to use where several card populations with different RFID-technologies and/or frequencies should be used at the same Time. The Cidron family allows for controlled upgrading of legacy RFID-technologies utilizing 125KHz to a secure RFID technology such as MIFARE® DESFire® EV1/EV2/EV3 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® Plus sector, MIFARE® DESFire® EV1/EV2/EV3 application and Mifare® DESFire® DUOX (on request) combined with 125KHz technologies such as Electromarine(EM4200) and Proximity compatible cards.

Cidron VG3 reader compliants to encrypted BLE 5.3 and NFC technologies for mobile credential access control by smartphone to instead of RFID smart cards. It also supports OTA (Over-the-Air) firmware upgrades via BLE connectivity through smartphone APP.

With assembled scanner Cidron is equipped to support multi format QR codes 1D & 2D codes, QR & Micro QR codes, Barcode and QR codes used in paper or mobile phone. No TOUCH access control solution for visitor management.

Cidron supports two types of security encryption technologies, Embedded Secure Element Hardware and Secure Access Module (SAM), which can be used independently or in combination to enhance security, making them suitable for the most advanced security-critical applications.

- It is designed with Embedded Secure Element Hardware (EAL6+) to support multiple cryptography:

- ECC: NIST curves up to P-521, Brainpool r1 curve up to 512,
- RSA® up to 2048,
- AES key up to 256,
- Hashing support up to SHA-256, HMAC up to SHA-512,
- TLS v1.2 PRF and HKDF up to SHA-512

- It also features SAM socket compatible with MIFARE SAM AV1/AV2/AV3 which gives the possibility to further increase the security of storing encryption keys (Evaluation Assurance Level, EAL5+) and also allows for diversification of encryption keys.

The Cidron family is available both with - and without keypad. The version with keypad has backlit keys that is configurable to always be on, off or in auto mode which means that when a card is presented to the reader or a key is pressed the keypad will light up. The version without keypad has a symbol at the front of the reader which will be lit when a card is presented to a reader configured to auto mode.

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. The indications can also be activated by external controls by using general purpose input/output's (GPIO's), for instance an individual reader can be configured to light up the LED frame in green or red by the fire alarm system depending on which GPIO the fire alarm system is connected to.

The Cidron family also includes a range of built-in accessories that facilitates installation, assist in complying with legislation and protects the reader from external factors. The Cidron family is designed for surface mounting but can also be fitted to standard European installation boxes.

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 family reader is designed with various accessories to facilitate installation in all kinds of occasions. The Cidron reader vandalization protection protects the reader and helps it withstand violence by absorbing and redirecting external forces away from the reader. Distance plate with different angled enables smooth and flexible installations, and increase accessibility as well as visibility of the Cidron reader keypad. The tamper switch tray can help Cidron reader suitable for uneven wall installation and all kinds of mounting surface installation.

VG3 RFID,NFC, BLE & QR CODE OSDP STANDARD READER



QR Code Scanner



Accessory module QR code scanner (VG3 compatible only)

Key features

- 4 in 1 timeless design reader in standard size
- Barcode & QR code accessory module for assembling
- Mobile credential BLE 5.3 & NFC for access control by using smart phone
- 125KHz EM Prox
- 13.56MHz MIFARE® Classic & Plus, DESFire®EV1/EV2/EV3
- Embeded Secure Element Hardware EAL6+
- MIFARE® SAM AV1/AV2/AV3 for increase the security of storing encryption keys
- Embeded Secure Element and MIFARE® SAM AV1/AV2/AV3 can be used independently or in combination to enhance security, making them suitable for the most advanced security-critical applications.
- Wiegand, RS485, C&D communication interface
- OSDP Secure Channel
- Supports OTA (Over-the-Air) firmware upgrades via BLE connectivity through smartphone APP
- High compatible to third party controller

Technical Specifications

CIDRON VG3 READER	VG3-SC931X0	VG3-SE931X0
Operating Frequency	125KHz & 13.56MHz	
Contactless ISO Standard	ISO14443A/B, ISO15693, NFC, EM125KHz	
Contactless Cards	<ul style="list-style-type: none"> • Mifare® Classic • Mifare® Plus • Desfire® EV1/EV2/EV3 • JCOP • 14443B UID • NFC Forum Tag • EM4100/4102/Prox/Crosspoint 	<ul style="list-style-type: none"> • Mifare® Classic • Mifare® Plus • Desfire® EV1/EV2/EV3 • JCOP • 14443B UID • NFC Forum Tag • EM4100/4102/Prox/Crosspoint • Mifare® Desfire® DUOX(On Request)
Mobile Credential	NFC, BLE 5.3, QR Code (optional)	
Barcode/QR Scanner	Request QR code scanner module (VG3 compatible only)	
Security Level	Secure Access Module: ISO7816 SAM, Mifare® SAM AV1/AV2/AV3 (EAL5+)	<p>1. Embedded Secure Element Hardware (EAL6+) Cryptographic support:</p> <ul style="list-style-type: none"> • ECC: NIST curves up to P-521, Brainpool r1 curve up to 512, • RSA® up to 2048, • AES key up to 256, • Hashing support up to SHA-256, HMAC up to SHA-512, • TLS v1.2 PRF and HKDF up to SHA-512 <p>2. Secure Access Module: ISO7816 SAM, Mifare® SAM AV1/AV2/AV3</p> <p><i>Embedded Secure Element and MIFARE® SAM AV1/AV2/AV3 can be used independently or in combination to enhance security, making them suitable for the most advanced security-critical applications.</i></p>
Communication Interface	Wiegand 24-1024 bit, RS485 (OSDP 1, OSDP 2, including Secure channel), Clock/Data	
Keypad	12 digit keypad in 2 rows of 6 keys in each row with Blue LED backlit controlled to ON/OFF and auto, intensely adjustable.	
Indicators	<ul style="list-style-type: none"> • LED bar with red, green and amber intensely adjustable. • Buzzer 	
Power supply	9-30 VDC	
Input/Output	4 input for LED and buzzer and 2 configurable GPIO's	
Tamper Alarm	Built-in mechanical tamper switch which allows for indication both break off protection and opening of the reader.	
Operating Temperature	-40~70, with thermostat controlled embedded heater	
Operating Humidity	0~95% RHNC (Relative Humidity No Condensation)	
Ingress Protection Classification	IP65 electric epoxy potted (request weather protection casing)	
Harsh Environment	Yes (keypad reader request silicon front plate)	
Housing Dimensions	L=109mm, H=25mm, W=79mm	
Configuration Methods	Configuration card, Configcard software or factory configured readers.	
Firmware upgrade	Supports OTA (Over-the-Air) firmware upgrades via BLE connectivity through smartphone app	
Compliances	CE	

*The specifications are subject to change without notice.

QR CODE SCANNER MODULE

Barcode/QR scanner	<ul style="list-style-type: none"> - 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.
Operating temperature	-20°~ +55°C
Operating humidity	0~95% RHNC (Relative Humidity No Condensation)
Ingress Protection Classification	IP65
Housing dimensions	117*91*74 mm

*The specifications are subject to change without notice.

Cidron VG3 RFID + NFC + BLE Standard OSDP Reader	Part No.
Cidron Combi 13.56MHz/125KHz/BLE with keypad, matt black	SC93100-MDEB-VDI27-S
Cidron Standard 13.56MHz/BLE with keypad, matt black	SC93100-MDB-VDI27-S
Cidron Combi 13.56MHz/125KHz/BLE without keypad, matt black	SC93110-MDEB-VDI27-S
Cidron Standard 13.56MHz/BLE without keypad, matt black	SC93110-MDB-VDI27-S
Cidron Combi 13.56MHz/125KHz/BLE with keypad, embeded secure element hardware, matt black	SE93100-MDEB-VDI27-S
Cidron Standard 13.56MHz/BLE with keypad, embeded secure element hardware, matt black	SE93100-MDB-VDI27-S
Cidron Combi 13.56MHz/125KHz/BLE without keypad, embeded secure element hardware, matt black	SE93110-MDEB-VDI27-S
Cidron Standard 13.56MHz/BLE without keypad, embeded secure element hardware, matt black	SE93110-MDB-VDI27-S
Cidron VG3 RFID + NFC + BLE + QR CODE Standard OSDP Reader	
Cidron Combi 13.56MHz/125KHz/BLE/QR with keypad, matt black	SC93100-MDEBQ-VDI27-S
Cidron Standard 13.56MHz/BLE/QR with keypad, matt black	SC93100-MDBQ-VDI27-S
Cidron Combi 13.56MHz/125KHz/BLE/QR without keypad, matt black	SC93110-MDEBQ-VDI27-S
Cidron Standard 13.56MHz/BLE/QR without keypad, matt black	SC93110-MDBQ-VDI27-S
Cidron Combi 13.56MHz/125KHz/BLE/QR with keypad, embeded secure element hardware, matt black	SE93100-MDEBQ-VDI27-S
Cidron Standard 13.56MHz/BLE/QR with keypad, embeded secure element hardware, matt black	SE93100-MDBQ-VDI27-S
Cidron Combi 13.56MHz/125KHz/BLE/QR without keypad, embeded secure element hardware, matt black	SE93110-MDEBQ-VDI27-S
Cidron Standard 13.56MHz/BLE/QR without keypad, embeded secure element hardware, matt black	SE93110-MDBQ-VDI27-S

VG3 RFID, NFC, BLE & QR CODE OSDP SLIMLINE READER



QR Code Scanner



Accessory module QR code scanner (VG3 compatible only)

Key features

- Timeless design reader in slimline size
- Barcode & QR code accessory module for assembling
- Mobile credential BLE 5.3 & NFC for access control by using smart phone
- 13.56MHz MIFARE® Classic & Plus, DESFire® EV1/EV2/EV3
- Embedded Secure Element Hardware EAL6+
- MIFARE® SAM AV1/AV2/AV3 for increase the security of storing encryption keys
- Embedded Secure Element and MIFARE® SAM AV1/AV2/AV3 can be used independently or in combination to enhance security, making them suitable for the most advanced security-critical applications.
- Wiegand, RS485, C&D communication interface
- OSDP Secure Channel
- Supports OTA (Over-the-Air) firmware upgrades via BLE connectivity through smartphone APP
- High compatible to third party controller

Technical Specifications

CIDRON VG3 READER	VG3-SC932X0	VG3-SE932X0
Operating Frequency	13.56MHz	
Contactless ISO Standard	ISO14443A/B, ISO15693, NFC	
Contactless Cards	<ul style="list-style-type: none"> • Mifare® Classic • Mifare® Plus • Desfire® EV1/EV2/EV3 • JCOP • 14443B UID • NFC Forum Tag • Crosspoint 	<ul style="list-style-type: none"> • Mifare® Classic • Mifare® Plus • Desfire® EV1/EV2/EV3 • JCOP • 14443B UID • NFC Forum Tag • Crosspoint • Mifare® Desfire® DUOX(On Request)
Mobile Credential	NFC, BLE 5.3, QR Code (optional)	
Barcode/QR Scanner	Request QR code scanner module (VG3 compatible only)	
Security Level	Secure Access Module: ISO7816 SAM, Mifare® SAM AV1/AV2/AV3 (EAL5+)	<p>1. Embedded Secure Element Hardware (EAL6+) Cryptographic support:</p> <ul style="list-style-type: none"> • ECC: NIST curves up to P-521, Brainpool r1 curve up to 512, • RSA® up to 2048, • AES key up to 256, • Hashing support up to SHA-256, HMAC up to SHA-512, • TLS v1.2 PRF and HKDF up to SHA-512 <p>2. Secure Access Module: ISO7816 SAM, Mifare® SAM AV1/AV2/AV3</p> <p><i>Embedded Secure Element and MIFARE® SAM AV1/AV2/AV3 can be used independently or in combination to enhance security, making them suitable for the most advanced security-critical applications.</i></p>
Communication Interface	Wiegand 24-1024 bit, RS485 (OSDP 1,OSDP 2, including Secure channel), Clock/Data	
Keypad	12 digit keypad in 2 rows of 6 keys in each row with Blue LED backlit controlled to ON/OFF and auto, intensely adjustable.	
Indicators	<ul style="list-style-type: none"> • LED bar with red, green and amber intensely adjustable. • Buzzer 	
Power supply	9-30 VDC	
Input/Output	4 input for LED and buzzer and 2 configurable GPIO's	
Tamper Alarm	Built-in mechanical tamper switch which allows for indication both break off protection and opening of the reader.	
Operating Temperature	-40~70, with thermostat controlled embedded heater	
Operating Humidity	0~95% RHNC (Relative Humidity No Condensation)	
Ingress Protection Classification	IP65 electric epoxy potted (request weather protection casing)	
Harsh Environment	Yes (keypad reader request silicon front plate)	
Housing Dimensions	L=141mm,H=25mm,W=48mm	
Configuration Methods	Configuration card,Configcard software or factory configured readers.	
Firmware upgrade	Supports OTA (Over-the-Air) firmware upgrades via BLE connectivity through smartphone app	
Compliances	CE	

*The specifications are subject to change without notice.

QR CODE SCANNER MODULE

Barcode/QR scanner	<ul style="list-style-type: none"> - Area image 640 x 480 pixels, Field 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.
Operating temperature	-20°~ +55°C
Operating humidity	0~95% RHNC (Relative Humidity No Condensation)
Ingress Protection Classification	IP 65
Housing dimensions	150*93*62 mm

*The specifications are subject to change without notice.

Cidron VG3 RFID + NFC + BLE Slimline OSDP Reader	Part No.
Cidron Slimline 13.56MHz/BLE with keypad, matt black	SC93200-MDB-VDI27-S
Cidron Slimline 13.56MHz/BLE without keypad, matt black	SC93210-MDB-VDI27-S
Cidron Slimline 13.56MHz/BLE with keypad, embeded secure element hardware, matt black	SE93200-MDB-VDI27-S
Cidron Slimline 13.56MHz/BLE without keypad, embeded secure element hardware, matt black	SE93210-MDB-VDI27-S
Cidron VG3 RFID + NFC + BLE + QR CODE Slimline OSDP Reader	
Cidron Slimline 13.56MHz/BLE/QR with keypad, matt black	SC93200-MDBQ-VDI27-S
Cidron Slimline 13.56MHz/BLE/QR without keypad, matt black	SC93210-MDBQ-VDI27-S
Cidron Slimline 13.56MHz/BLE/QR with keypad, embeded secure element hardware, matt black	SE93200-MDBQ-VDI27-S
Cidron Slimline 13.56MHz/BLE/QR without keypad, embeded secure element hardware, matt black	SE93210-MDBQ-VDI27-S

VG2 RFID NFC OSDP READER



Key features

- Timeless design reader in standard size
- Mobile credential NFC for access control by using smart phone
- 125KHz EM Prox
- 13.56MHz MIFARE® Classic & Plus, DESFire® EV1/EV2/EV3
- Embedded Secure Element Hardware EAL6+
- MIFARE® SAM AV1/AV2/AV3 for increase the security of storing encryption keys
- Embedded Secure Element and MIFARE® SAM AV1/AV2/AV3 can be used independently or in combination to enhance security, making them suitable for the most advanced security-critical applications.
- Wiegand, RS485, C&D communication interface
- OSDP Secure Channel
- High compatible to third party controller

Technical Specifications

CIDRON VG2 READER	VG2-SC91X0	VG2-SE91X0
Operating Frequency	125KHz & 13.56MHz	
Contactless ISO Standard	ISO14443A/B, ISO15693, NFC, EM125KHz	
Contactless Cards	<ul style="list-style-type: none"> • Mifare® Classic • Mifare® Plus • Desfire® EV1/EV2/EV3 • JCOP • 14443B UID • NFC Forum Tag • EM4100/4102 	<ul style="list-style-type: none"> • Mifare® Classic • Mifare® Plus • Desfire® EV1/EV2/EV3 • JCOP • 14443B UID • NFC Forum Tag • EM4100/4102 • Mifare® Desfire® DUOX(On Request)
Mobile Credential	NFC	
Security Level	Secure Access Module: ISO7816 SAM, Mifare® SAM AV1/AV2/AV3 (EAL5+)	<p>1. Embedded Secure Element Hardware (EAL6+) Cryptographic support:</p> <ul style="list-style-type: none"> • ECC: NIST curves up to P-521, Brainpool r1 curve up to 512, • RSA® up to 2048, • AES key up to 256, • Hashing support up to SHA-256, HMAC up to SHA-512, • TLS v1.2 PRF and HKDF up to SHA-512 <p>2. Secure Access Module: ISO7816 SAM, Mifare® SAM AV1/AV2/AV3</p> <p><i>Embedded Secure Element and MIFARE® SAM AV1/AV2/AV3 can be used independently or in combination to enhance security, making them suitable for the most advanced security-critical applications.</i></p>
Communication Interface	Wiegand 24-1024 bit, RS485 (OSDP 1, OSDP 2, including Secure channel), Clock/Data	
Keypad	12 digit keypad in 2 rows of 6 keys in each row with Blue LED backlit controlled to ON/OFF and auto, intensely adjustable.	
Indicators	<ul style="list-style-type: none"> • LED bar with red, green and amber intensely adjustable. • Buzzer 	
Power supply	9-30 VDC	
Input/Output	4 input for LED and buzzer and 2 configurable GPIO's	
Tamper Alarm	Built-in mechanical tamper switch which allows for indication both break off protection and opening of the reader.	
Operating Temperature	-40~70, with thermostat controlled embedded heater	
Operating Humidity	0~95% RHNC (Relative Humidity No Condensation)	
Ingress Protection Classification	IP65 electric epoxy potted (request weather protection casing)	
Harsh Environment	Yes (keypad reader request silicon front plate)	
Housing Dimensions	L=109mm, H=25mm, W=79mm	
Configuration Methods	Configuration card, Configcard software or factory configured readers.	
Compliances	CE	

*The specifications are subject to change without notice.

Cidron VG2 RFID + NFC Standard OSDP Reader	Part No.
Cidron Combi 13.56MHz/125KHz with keypad, matt black	SC9100-MDE-VDI27-S
Cidron Standard 13.56MHz with keypad, matt black	SC9100-MD-VDI27-S
Cidron Combi 13.56MHz/125KHz without keypad, matt black	SC9110-MDE-VDI27-S
Cidron Standard 13.56MHz without keypad, matt black	SC9110-MD-VDI27-S
Cidron Combi 13.56MHz/125KHz with keypad, embeded secure element hardware, matt black	SE9100-MDE-VDI27-S
Cidron Standard 13.56MHz with keypad, embeded secure element hardware, matt black	SE9100-MD-VDI27-S
Cidron Combi 13.56MHz/125KHz without keypad, embeded secure element hardware, matt black	SE9110-MDE-VDI27-S
Cidron Standard 13.56MHz without keypad, embeded secure element hardware, matt black	SE9110-MD-VDI27-S

VG2 RFID NFC SLIMLINE OSDP READER



Key features

- Timeless design reader in slimline size
- Mobile credential NFC for access control by using smart phone
- 13.56MHz MIFARE® Classic & Plus, DESFire® EV1/EV2/EV3
- Embeded Secure Element Hardware EAL6+
- MIFARE® SAM AV1/AV2/AV3 for increase the security of storing encryption keys
- Embeded Secure Element and MIFARE® SAM AV1/AV2/AV3 can be used independently or in combination to enhance security, making them suitable for the most advanced security-critical applications.
- Wiegand, RS485, C&D communication interface
- OSDP Secure Channel
- High compatible to third party controller

Technical Specifications

CIDRON VG2 READER	VG2-SC92X0	VG2-SE92X0
Operating Frequency	13.56MHz	
Contactless ISO Standard	ISO14443A/B, ISO15693, NFC	
Contactless Cards	<ul style="list-style-type: none"> • Mifare® Classic • Mifare® Plus • Desfire® EV1/EV2/EV3 • JCOP • 14443B UID • NFC Forum Tag 	<ul style="list-style-type: none"> • Mifare® Classic • Mifare® Plus • Desfire® EV1/EV2/EV3 • JCOP • 14443B UID • NFC Forum Tag • Mifare® Desfire® DUOX(On Request)
Mobile Credential	NFC	
Secure Access Module	Secure Access Module: ISO7816 SAM, Mifare® SAM AV1/AV2/AV3 (EAL5+)	<p>1. Embedded Secure Element Hardware (EAL6+) Cryptographic support:</p> <ul style="list-style-type: none"> • ECC: NIST curves up to P-521, Brainpool r1 curve up to 512, • RSA® up to 2048, • AES key up to 256, • Hashing support up to SHA-256, HMAC up to SHA-512, • TLS v1.2 PRF and HKDF up to SHA-512 <p>2. Secure Access Module: ISO7816 SAM, Mifare® SAM AV1/AV2/AV3 <i>Embedded Secure Element and MIFARE® SAM AV1/AV2/AV3 can be used independently or in combination to enhance security, making them suitable for the most advanced security-critical applications.</i></p>
Communication Interface	Wiegand 24-1024 bit, RS485 (OSDP 1,OSDP 2, including Secure channel), Clock/Data	
Keypad	12 digit keypad in 2 rows of 6 keys in each row with Blue LED backlit controlled to ON/OFF and auto, intensely adjustable.	
Indicators	<ul style="list-style-type: none"> • LED bar with red, green and amber intensely adjustable. • Buzzer 	
Power supply	9-30 VDC	
Input/Output	4 input for LED and buzzer and 2 configurable GPIO's	
Tamper Alarm	Built-in mechanical tamper switch which allows for indication both break off protection and opening of the reader.	
Operating Temperature	-40~70, with thermostat controlled embedded heater	
Operating Humidity	0~95% RHNC (Relative Humidity No Condensation)	
Ingress Protection Classification	IP65 electric epoxy potted (request weather protection casing)	
Harsh Environment	Yes (keypad reader request silicon front plate)	
Housing Dimensions	L=109mm, H=25mm, W=79mm	
Configuration Methods	Configuration card, Configcard software or factory configured readers.	
Compliances	CE	

*The specifications are subject to change without notice.

Cidron VG2 RFID + NFC SLIMLINE OSDP Reader	Part No.
Cidron Slimline 13.56MHz with keypad, matt black	SC9200-MD-VDI27-S
Cidron Slimline 13.56MHz without keypad, matt black	SC9210-MD-VDI27-S
Cidron Slimline 13.56MHz with keypad, embeded secure element hardware, matt black	SE9200-MD-VDI27-S
Cidron Slimline 13.56MHz without keypad, embeded secure element hardware, matt black	SE9210-MD-VDI27-S

CIDRON-E Slimline OSDP Reader



Key features

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

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, 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°~ +60°C
Operating Humidity	0~95% RHNC (Relative Humidity No Condensation)
Ingress Protection Classification	IP65 (request weather protection casing)
Harsh Environment	Yes
Housing Dimensions	L=141mm, H=25mm, W=48mm
Configuration Methods	Configuration card, Configcard software or factory configured readers.

*The specifications are subject to change without notice.

Cidron E Reader	Part No.
Cidron E Slimline 13.56MHz with RS232, without keypad, matt black	SC9230-MD-VDI27-S
Cidron E Slimline 13.56MHz with RS485 converter, without keypad, matt black	SC9230-MD-4C-VDI27-S

Accessories for the Cidron reader

The Cidron reader accessories includes products that facilitate installation, assist with complying to legislation and protect the reader from external factors.

Today, the competition is very tough in many markets, making it increasingly more important to stand out from the crowd and therefore we also offer the opportunity to profile your readers for increased recognition. You can choose between a laser engraved or printed logo in single color or in full color. This way, you get the readers to follow your or your customer's graphic profile.



Cidron Standard
Color: Black



Cidron Slimline
Color: White

Vandalization Protection for the Cidron reader

The cidron reader vandalization protection is an accessory that protects the reader and helps it withstand violence by absorbing and redirecting external forces away from the reader.

In certain environments such as schools and penitentiaries, readers are subjected to an increased risk of vandalism. Even though the reader is robust in its basic design, an extra layer of protection might be needed in high-risk environments.

The vandalization protection is available for all Cidron reader models, and comes in the color black. It is securely fastened to the wall using the installation kit supplied.



Cidron Standard
Color: Black
Dimensions: 120x147x31 mm



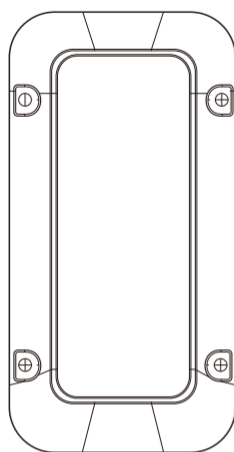
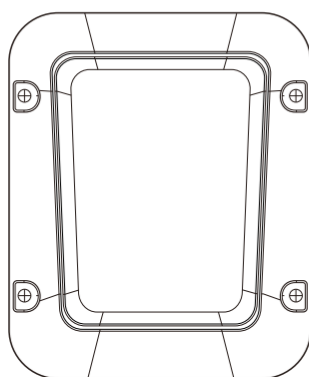
Cidron Slimline
Color: Black
Dimensions: 91x178x31 mm

Specifications

- The supplied screws require the installation tool Security Torx TT25.
- The vandalism protection can easily be retrofitted to already installed Cidron readers.

Compatible accessories

- Distance plates for the vandalism protection for the Cidron reader.

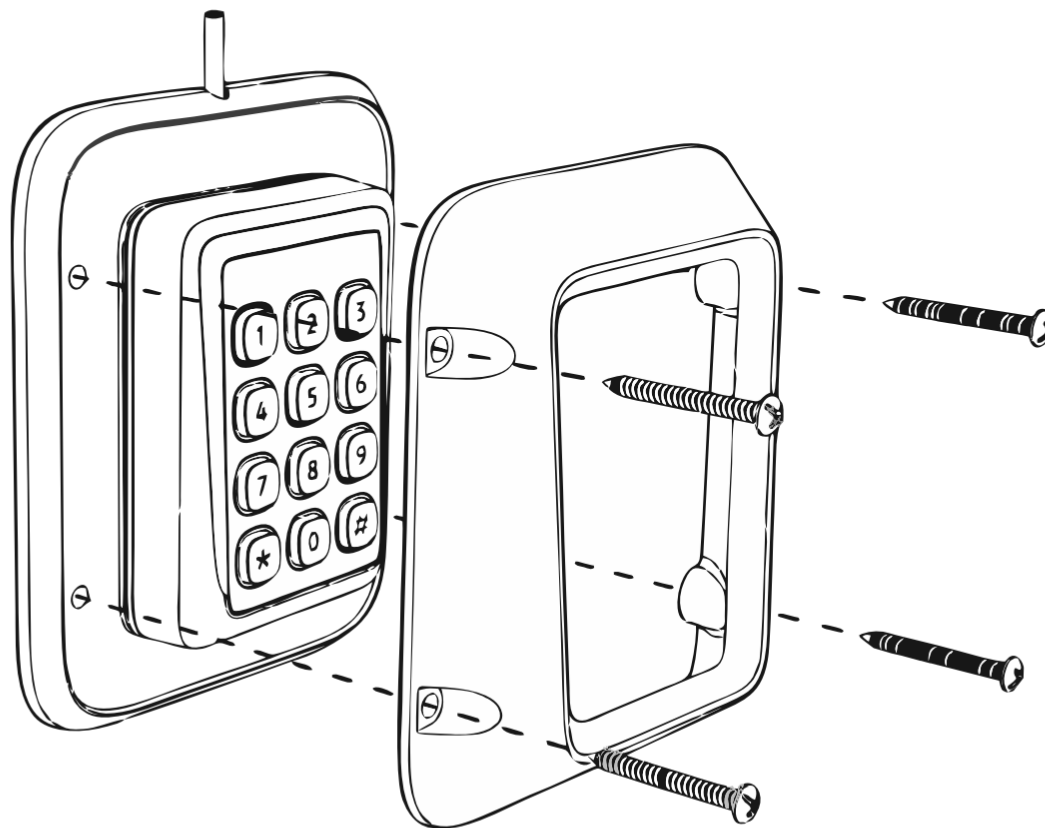


Compatible accessories

Distance plate made to fit together with the vandalization protection for the Cidron reader

- Distanceplate for vandalization protection Cidron Slimline (SC9297-S/V)
- Distanceplate for vandalization protection Cidron Standard (SC9197-S/V)

Distance plate, large + Vandalization protection



Part No.	Description	Dimensions
SC9180-S	Cidron Vandalization Protection Standard/Combi, Matte Black	120x147x31 mm
SC9280-S	Cidron Vandalization Protection Slimline/Slimline E, Matte Black	91x178x31 mm

Distance plate for the Cidron reader

A Distance plate enables smooth and flexible installations. when a reader shall be installed in an environment where additional cover is needed for example to hide old installation holes or to cover an uneven surface, our recommendation is to use a distance plate.

The distance plates comes in two sizes, standard and large, for different applications. You will find dimensions in the specification below.

If you add Vandalization protection for your Cidron reader, you need to make sure to select the large distance plate for your type of Cidron reader: Standard/Combi or Slimline/slimline E.

Installation guidelines on how to mount a distance plate is included in the installation manuals for all Cidron models.

tamper alarm switch issues on uneven walls spacer can solve those kinds of issues.

The Cidron reader accessories includes products that:

- facilitate installation
- assist with complying to legislation
- protect the reader from external factors



Distance plate standard size.
Part No: SC9191-S(black).



Distance plate standard size.
Part No: SC9191-V(white).

Specifications

- Material: Polycarbonate
- The distance plate comes in two different sizes, standard and large. Both versions are available for the Cidron Standard/Combi and the Cidron Slimline/Slimline E readers.
- When using a Vandalization protection, select distance plate large for the installation.
- The distance plates are also available in versions with different angels.

Product specification and part numbers

Distance plate for Cidron Standard and Combi readers. Standard size:

Part No SC9191-S (black) and SC9191-V (White).

Dimensions: L 82mm. H 112mm. W 10mm.

Distance plate for Cidron Standard and Combi readers. Large size:

Part No SC9197-S (black) and SC9197-V (White).

Dimensions: L 133mm. H 159mm. W 11mm.

Distance plate for Cidron Slimline and Slimline E readers. Standard size:

Part No SC9291-S (black) and SC9291-V (White).

Dimensions: L 50mm. H 143mm. W 10mm.

Distance plate for Cidron Slimline and Slimline E readers. Large size:

Part No SC9297-S (black) and SC9297-V (White).

Dimensions: L 104mm. H 190mm. W 11mm.

Part No.	Description
SC9191-S	Distance plate for Cidron Standrd and Combi readers, black. Standard size.
SC9191-V	Distance plate for Cidron Standrd and Combi readers, white. Standard size.
SC9197-S	Distance plate for Cidron Standrd and Combi readers, black. Large size.
SC9197-V	Distance plate for Cidron Standrd and Combi readers, white. Large size.
SC9291-S	Distance plate for Cidron Slimline and Slimline E readers, black. Standard size.
SC9291-V	Distance plate for Cidron Slimline and Slimline E readers, white. Standard size.
SC9297-S	Distance plate for Cidron Slimline and Slimline E readers, black. Large size.
SC9297-V	Distance plate for Cidron Slimline and Slimline E readers, white. Large size.

Angled Distance plate for the Cidron reader

To increase accessibility as well as visibility of the cidron reader keypad, an angled distance plate is recommended, specially for installations at hospitals and local authorities, in order to comply to the Equality Act.

The distance plate is available in angel. The angled Distance plate is suitable to install on a horizontal surface for instance on different models of entrance speed gates and turnstiles, adapted for people in wheelchairs with the recommended installation height of 900mm (center of reader) above the ground/floor.

The Cidron reader accessories includes products that:

- facilitate installation
- assist with complying to legislation
- protect the reader from external factors

The angled distance plates are available for all Cidron reader models.

Installation guidelines on how to mount a distance plate is included in the installation manuals for all Cidron models.



Angled Distance plate for Cidron Standard and Combi readers.



Angled Distance plate for Cidron Slimline and Slimline E readers.

Specifications

- Material: Polycarbonate
- Available for the Cidron Standard/Combi and the cidron Slimline/Slimline E readers.

Product specification and part numbers

Angled Distance plate for Cidron Standard and Combi readers:

Part No SC9192-S (black) and SC9192-V (white).

Dimensions: 117x91x74mm

Angled Distance plate for Cidron Slimline and Slimline E readers:

Part No SC9292-S (black) and SC9292-V (white).

Dimensions: 150x93x62mm

Part No.	Description
SC9192-S	Angled Distance plate for Cidron Standard and Combi readers, black.
SC9192-V	Angled Distance plate for Cidron Standard and Combi readers, white.
SC9292-S	Angled Distance plate for Cidron Slimline and slimline e readers, black.
SC9292-V	Angled Distance plate for Cidron Slimline and slimline e readers, white.

Cidron QR Code Module

Cidron QR Code Module is assembled accessory for Cidron VG3 family readers. It's flexible for users to extend QR code scanner by assembling a QR Code Module for function expansion at anytime. Cidron with QR code identification is ideal to manage visitor access control and give a touchless access control solution by scanning QR code printed on paper or displayed on smart phone.

The Cidron QR code Module compliments to multi format QR codes 1D & 2D codes QR & Micro QR codes. It is embedded in a distance plate available in angel to increase accessibility as well as visibility of the cidron reader. The angled Distance plate is suitable to

install on a horizontal surface for instance on different models of entrance speed gates and turnstiles, adapted for people in wheelchairs with the recommended installation height of 900mm (center of reader) above the ground/floor.

The Cidron QR code modules are available for Cidron VG3 Standard & Combi reader and VG3 Slimline reader models.

Installation guidelines on how to mount a distance plate is included in the installation manuals for all Cidron models.



Angled Distance plate with QR code module for Cidron Standard and Combi readers



Angled Distance plate with QR code module for Cidron Slimline readers

QR CODE SCANNER MODULE

Barcode/QR scanner	<ul style="list-style-type: none"> - 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.
Material	Polycarbonate
Available Models	Available for the Cidron VG3 Standard/Combi and Cidron VG3 Slimline readers
Operating temperature	-20°~ +55°C
Operating humidity	0~95% RHNC (Relative Humidity No Condensation)
Ingress Protection Classification	IP 65
Housing dimensions	117*91*74 mm (Standard); 150*93*62 mm (Slimline)

*The specifications are subject to change without notice.

Part No.	Description
SC9192-SQ	Angled Distance plate with QR code module for Cidron Standard and Combi readers, black
SC9292-SQ	Angled Distance plate with QR code module for Cidron Slimline readers, black

Climate Protection for the Cidron reader

Even though the reader is robust in its basic design, an extra layer of weather protection might be needed in certain environments. The shield protects the reader from snow, rain and sunlight and comes in two different colors, transparent and white, for different applications.

The white Climate protection is recommended when the reader needs to be covered from sunlight. The color also makes it harder for unauthorized to observe a user pin code.

The transparent Climate protection provides the user with a good visibility of the reader and the key pad, even from different angles and heights.

The Climate protection can easily be modified to fit all Cidron reader models, Standard/Combi/Slimline/Slimline E.

The Cidron reader accessories includes products that:

- facilitate installation
- assist with complying to legislation
- protect the reader from external factors



Climate Protection
Color: Transparant
Part No: SC9901-T



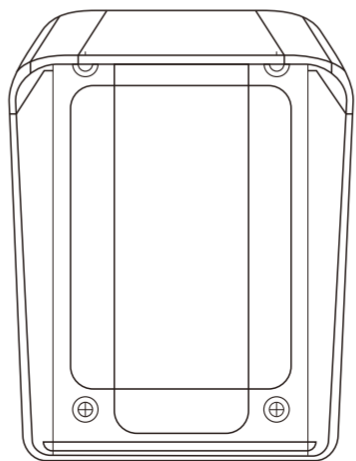
Climate Protection
Color: White
Part No: SC9901-V

Specifications

- Dimensions: 125x165x70mm
- Material: Polycarbonate

Installation support

- Four screws and screw plugs are supplied together with the accessory for installation of the climate protection
- The supplied screws require the installation tool Security Torx TT25



Part No.	Description
SC9901-T	Cidron Climate Protection, transparant.
SC9901-V	Cidron Climate Protection, white.

Harsh environment for the Cidron reader

Recommended for use in dirty and dusty environments.
Can also be printed with a logo, just like the previous frontplates.
If you have existing installed readers, the new frontplate can be easily mounted onto them.



Part No: SC9108-SF-S



Part No: SC9208-SF-S

Installation tool for Cidron Std/Combi/Slim

The Cidron installation tool is designed to securely open the card reader. The special made shape makes it easy to insert the tool into the locking part to release the frame for service and maintenance work.



Part number: SC9914