Cidron

4-IN-1 ACCESS CONTROL READER

OSDP Wiegand Access Control Reader Compatible with QR Code, RFID Smart Card and NFC / BLE Mobile Credential. Support MIFARE® SAM AV2/AV3 secure access module for security encryption. Can be used in harsh such as dirty or dusty environment.
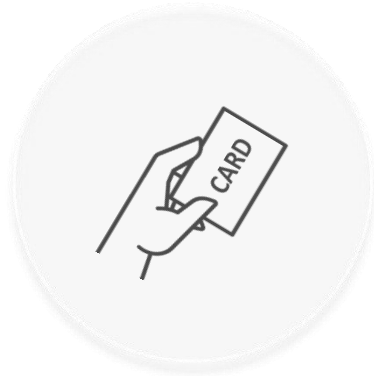
Product Features

1
Mobile Credential

Support smart phone via NFC & BLE credential
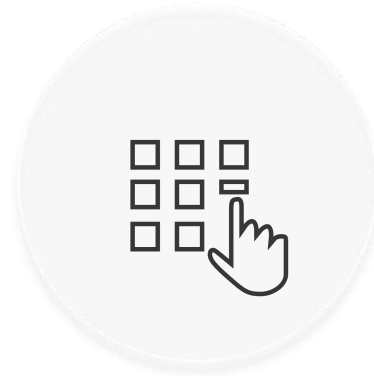
2
QR code

QR code scanner to support multi-formats QR Code 1D & 2D codes, QR & Micro QR codes and Barcode

3
RFID Smart Card

Support 125KHz & 13.56MHz Mifare, DESFire EV1/EV2/EV3, Mifare Plus

4
PIN code

Pincode with backlight LEDs to give extra indication for access control

5
Working environment

Resistant to water, UV, weathering, dirty and dusty environments, wide power supply range, low working temp.

Slimline Body Reader with Elegant Timeless Design

Cidron Slimline reader is elegant design with only 48.0mm width slimline size, flexible and easy installation for various kinds of narrow occasions.

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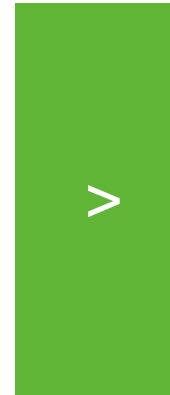
Standard Size Reader with Elegant Timeless Design

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Cidron Standard Reader is elegant design in standard size with or without keypad for various occasion installation.
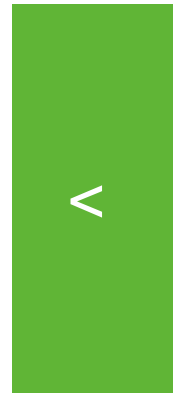
Slimline QR Code BLE Reader

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Cidron Slimline QR Code reader is with QR scanner in modularity design with 48.00mm width slimline size to work with Cidron VG3 family readers.

Standard QR Code BLE Reader

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Cidron Standard QR Code reader is easy and flexible for installer to upgrade QR code by using assembling QR code scanner module with Cidron VG3 family readers.

4-In-1 Multiple Identification Modes

MOBILE CREDENTIAL

Touchless access control by using personal smart phone via NFC or BLE

MECHANICAL KEYPAD

12 digit keypad in 4 rows of 3 keys in each row with blue LED backlit controlled to ON/OFF and auto, intensely adjustable

MULTI-SMART CARD

Support 125KHz EM Prox, EM4XXX and 13.56MHz Mifare®, Mifare® Plus, DESFire® EV1/EV2/EV3, JCOP, NFC tag and ISO14443B

QR CODE/BARCODE

Multi format QR codes 1D & 2D codes. QR & Micro QR codes, Barcode and QR codes

QR Code   Micro QR Code   PDF 417   Code 128   Code 39

ABC-abc-1234   ABC-abc-1234

Your Phone
is the Room Key

Touch free access control by using personal smart phone via ISO18092 NFC and BLE, with configurable BLE reading range for hand free access control.
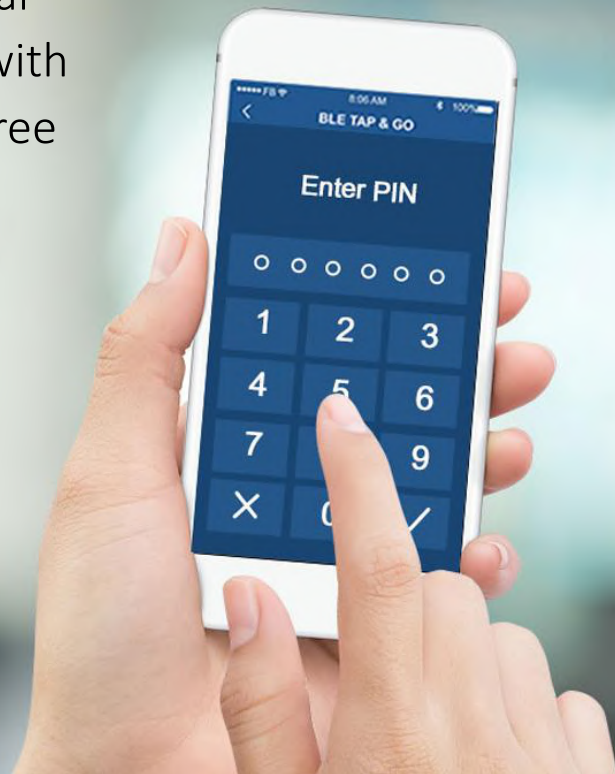
Dual Frequency Multi-Smart Cards

DESFIRE EV1/EV2/EV3

Cidron Reader support 13.56MHz technologies, MIFARE Classic® , MIFARE Plus® and DESFire® EV1/EV2/EV3 combined with 125KHz technologies, which makes it ideal to use where several card populations with different RFID technologies and/or frequencies should be used at the same time.

Enhanced Security By Encryption Keys and Data Protection

Secure Access Module

Cidron Reader features a contact card socket to read.Secure Access Module's (SAM's) embedded on a SIM-card sized contact chip. Cidron is compatible with MIFARE ® SAM AV2/AV3 which gives the possibility to further increase the security of storing encryption keys (Evaluation Assurance Level, EAL 5+) and also allows for diversification of encryption keys.

Open Supevised Device Protocol

OSDP™ is a bidirectional communication protocol which provides continuous monitoring of the reader but if applied it also enables AES encrypted communication between the reader and the controller. This so called "Secure Channel" is available in Cidron readers.

OSDP™

Multiple Communication Interfaces

Wiegand, Clock/Data, OSDP 1, OSDP 2 (including Secure channel) and RS485, offer universal compatibility to work with the third party access controller.

Specs	VG2	VG3	VG3+QR	Cidron E
Reader Housing				
Dimension	Standard：L=109mm, H=25mm, W=79mm Slimline：L=141mm, H=25mm, W=48mm	Standard：L=109mm, H=25mm, W=79mm Slimline：L=141mm, H=25mm, W=48mm	Standard：L=143mm, H=80mm, W=91mm Slimline：L=180mm, H=95mm, W=63mm	L=141mm, H=25mm, W=48mm
RFID smart card	- 125KHz - 13.56MHz ISO14443A/B, ISO18092 NFC	- 125KHz - 13.56MHz ISO14443A/B, ISO18092 NFC	- 125KHz - 13.56MHz ISO14443A/B, ISO18092 NFC	13.56MHz ISO14443A
Contactless Card Supported	- EM4100/4102/4200/Prox, - Mifare® Classic, Mifare® Plus, Desfire® EV1/EV2/EV3 - ISO14443B UID - NFC Tags	- EM4100/4102/4200/Prox, - Mifare® Classic, Mifare® Plus, Desfire® EV1/EV2/EV3 - ISO14443B UID - NFC Tags	- EM4100/4102/4200/Prox, - Mifare® Classic, Mifare® Plus, Desfire® EV1/EV2/EV3 - ISO14443B UID - NFC Tags	Mifare® Classic, Desfire® EV1/EV2
NFC Mobile ID	Yes	Yes	Yes	No

Specs	VG2	VG3	VG3+QR	Cidron E
BLE	No	Yes	Yes	No
QR Code	No	No	Yes	No
Secure Access Module	ISO7816 SAM MIFARE SAM AV2/AV3	ISO7816 SAM MIFARE SAM AV2/AV3	ISO7816 SAM MIFARE SAM AV2/AV3	No
communication interface	Wiegand, RS485 (OSDP 1, OSDP 2, including Secure channel), Clock/Data	Wiegand, RS485 (OSDP 1, OSDP 2, including Secure channel), Clock/Data	Wiegand, RS485 (OSDP 1, OSDP 2, including Secure channel), Clock/Data	Wiegand, RS232, RS485 (OSDP 1, OSDP 2, includingSecure channel)
Power Supply	+9-30VDC	+9-30VDC	+9-30VDC	+9-12VDC
Temperature	-40 ~ +70°Cwith heater	-40 ~ +70°Cwith heater	-40 ~ +70°Cwith heater	-20 - + 60°Cwithout heater
Ingress Protection Classification	IP65 (request weather protection casing)	IP65 (request weather protection casing)	IP65 (request weather protection casing)	IP65 (request weather protection casing)
Harsh environment	Yes (keypad reader request silicon front plate)	Yes (keypad reader request silicon front plate)	Yes (keypad reader request silicon front plate)	Yes
Compliances	CE, RoHS, UKCA	CE, RoHS, FCC, UKCA	CE, RoHS, FCC, UKCA	CE, RoHS, UKCA
Configuration Card	yes	yes	yes	yes
Firmware upgrade	yes	yes	yes	yes

Part Number	Housing Design			RFID			Mobile Credential			SAM AV2/AV3	Communication Interface				Configuration Card
	Keypad	Slimline	Standard	125KHz	13.56MHz	ISO14443B	BLE	NFC	QR CODE		Wiegand	RS232	RS485 (OSDP)	C&D, ABA	
Cidron E SERIES															
SC9230-MD-VDI27-S		■			■						■	■			■
SC9230-MD-4C-VDI27-S		■			■						■		■		■
Cidron VG2 SERIES															
SC9100-MD-VDI27-S	■		■		■	■		■		■	■		■	■	■
SC9100-MDE-VDI27-S	■		■	■	■	■		■		■	■		■	■	■
SC9110-MD-VDI27-S			■		■	■		■		■	■		■	■	■
SC9110-MDE-VDI27-S			■	■	■	■		■		■	■		■	■	■
SC9200-MD-VDI27-S	■	■			■	■		■		■	■		■	■	■
SC9210-MD-VDI27-S		■			■	■		■		■	■		■	■	■
Cidron VG3 SERIES															
SC93100-MDB-VDI27-S	■		■		■	■	■	■		■	■		■	■	■

Model	1	2	3	4	5	6	7	8	9	10	11	12	13	14
SC93100-MDEB-VDI27-S	■		■	■	■	■	■	■		■	■	■	■	■
SC93110-MDB-VDI27-S			■		■	■	■	■		■	■	■	■	■
SC93110-MDEB-VDI27-S			■	■	■	■	■	■		■		■		■
SC93200-MDB-VDI27-S	■	■			■	■	■	■		■	■	■	■	■
SC93210-MDB-VDI27-S		■			■	■	■	■		■	■	■	■	■
Cidron VG3 QR SERIES														
SC93200-MDBQ-VDI27-S	■	■			■	■	■	■	■	■	■	■	■	■
SC93210-MDBQ-VDI27-S		■			■	■	■	■	■	■	■	■	■	■
SC93100-MDBQ-VDI27-S	■		■		■	■	■	■	■	■	■	■	■	■
SC93100-MDEBQ-VDI27-S	■		■	■	■	■	■	■	■	■	■	■	■	■
SC93110-MDBQ-VDI27-S			■		■	■	■	■	■	■	■	■	■	■
SC93110-MDEBQ-VDI27-S			■	■	■	■	■	■	■	■	■	■	■	■