Cidron Standard Reader

- SECURE ACCESS CONTROL INCLUDING MOBILE ID AND BLE

Mobile ID

Cidron VG3 readers are Mobile ID ready with a non-proprietary solution. Easy to adapt to all access control applications.

Secure Access Module

The Cidron reader features a contact card socket which is designed to read Secure Access Module's (SAM's), embedded on a SIM-card sized contact chip.

IP65

Cidron is a IP65 classified reader which has an operating temperature of –40° – +70°C.

The Cidron VG3 reader series is compatible with Secure RFID technologies, NFC and BLE solutions with Mobile credentials/ID. The reader is powerful enough to read up to 8 different technologies or formats simultaneously, along with customized formats, making the Cidron VG3 Standard readers some of the most powerful on the market while also future proofing it as an access control reader.

All technologies are incorporated in a robust, timeless design, making them suited for both indoor and outdoor installations in all kinds of access control applications. Cidron VG3 Standard is a reader operating at 13,56Mhz RFID technologies together with Mobile solutions and BLE/NFC support. In technologies Cidron VG3 Standard supports MIFARE Classic, MIFARE Plus and MIFARE DESFire CSN/UID and applications, Random UID, iCLASS UID and Bitwards mobile application. This makes it an idea choice for use where several card populations with different RFID technologies should be used simultaneously, or allowed a controlled upgrading to more secure applications together with mobile solution.

Standardized communication as Wiegand and OSDP are used between the reader and the access control application and can be encrypted with OSDP Secured channel function.

Cidron VG3 Standard is available both with or without keypad, the version with the keypad having backlit keys, which are configurable. The substantial LED frame provide visual indicators for the user, while the buzzer provide audible indicators, and both the LED and the buzzer are configurable.

seriline
IDENTITY AND ACCESS MANAGEMENT

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Technical specifications

Model Name	Standard PIN	Standard NO PIN	Slim PIN	Slim NO PIN	Combi PIN	Combi NO PIN
Operating frequency	13,56MHz				13,56MHz + 125kHz	
Reading technologies	MIFARE CSN 4 byte, MIFARE CSN 7 byte, MIFARE Classic, MIFARE Plus, MIFARE DESFire 0.6 and MIFARE DESFire EV1, MIFARE DESFire EV2[1] and MIFARE Random UID. ICLASS UID ISO14443B. Also supports other ISO 14443 A/B[2] compatible cards.				Electromarine EM4200. HID® Proximity. MIFARE CSN 4 byte, MIFARE CSN 7 byte, MIFARE Classic, MIFARE Plus, MIFARE DESFire 0.6 and MIFARE DESFire EV1, MIFARE DESFire EV2[1] and MIFARE Random UID. ICLASS UID ISO14443B. Also supports other ISO 14443 A/B* compatible cards.	
Secure Access Module	MIFARE SAM AV2, external SIM card connection slot.					
Reading output format	Wiegand, Clock/Data, OSDP 1, OSDP 2 (including Secure channel), RS232 and RS485.					
Reading output format	24-1024 (excluding parity bits).					
Keypad output format	Wiegand 4bit, Wiegand 8bit (Dorado), Wiegand 26bit, OSDP ASCII format.					
Keypad	12 digit keypad in 4 rows of 3 keys in each row.[3]	—	12 digit keypad in 6 rows of 2 keys in each row.[3]	—	12 digit keypad in 4 rows of 3 keys in each row.[3]	—
Indicators	LED, Green, Red and Yellow (Bi-color). Backlight in blue color. Buzzer.					
Power supply	9 – 30VDC					
Current consumption	24VDC idle mode with heater inactive 40-60 mA[4] 12VDC, idle mode with heater inactive 50-90 mA[4]					
Input/Output	4 input for LED and buzzer and 2 configurable input/output.					
Tamper alarm	Built-in mechanical tamperswitch which allows for indication both, break off protection and opening of the reader.					
Operating temperature	–40° – +70°C					
Heater	Thermostat controlled embedded heater.					
Operating humidity	0 – 95% RHNC (Relative Humidity No Condensation)					
Ingress Protection Classification:	IP 65 (requires the accessory climate protection SC9901)					
Housing dimensions	L=109mm, H=25mm, W=79mm		L=141mm, H=25mm, W=48mm		L=109mm, H=25mm, W=79mm	
Configuration Methods	Configuration card, reader tool software or factory configured readers.					
Compliances	UKCA CE FC RoHS 2011/65/EU					

[1] *Application coding must be in accordance with EV1.*
[2] *Not all ISO14443 B cards have been implemented in the reader, please contact Seriline for more details on current status. MIFARE is a registered trademark of NXP B.V. and is used under license.*
[3] *With configurable backlight in blue color. Control features On/Off/Auto indicators. Light itensity can be adjusted.*
[4] *Current consumption differs depending on functionality used and can also be limited in the reader configuration, please consult the Cidron Standard full installation guide for current consumption, before dimensioning power supply.*

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