Cidron Slimline Reader

- SECURE ACCESS CONTROL

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 reader family is compatible with secure RFID-technologies incorporated in a robust, timeless design which making them ideally suited for both indoor- and outdoor installations in all kinds of physical access control applications.

Cidron VG2 Slimline is a reader operating at 13.56MHz and supports reading for instance MIFARE Classic®, or MIFARE Plus® sector, MIFARE® DESFire® application which allows for AES128 encrypted communication between credential and reader. Cidron Slimline is versatile and can easily be configured to read up to two different card data objects and handles both 7-byte and 4-byte MIFARE UID's at the same time as well as MIFARE Random UID and 8-byte iCLASS UID. This means that you can read credentials from different populations and it also gives the possibility of, in a controlled manner, upgrading from less secure technologies to more secure applications like MIFARE DESFire.

The Cidron Combi is available both, with- or without keypad. The version with keypad has backlit keys, without keypad a symbol light, which is configurable to be always on, off or in auto mode. The reader is equipped with a clear and distinct led frame for visual feedback combined with buzzer and audible feedback. Cidron can be mounted on all surfaces including metal without affecting the reading distance to credentials.

seriline
IDENTITY AND ACCESS MANAGEMENT
+46 10 - 150 75 00 info@seriline.com www.seriline.com

Technical specifications VG2

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 UID 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 UID 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.					

[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 Slimline full installation guide for current consumption, before dimensioning power supply.*

SL 23-06